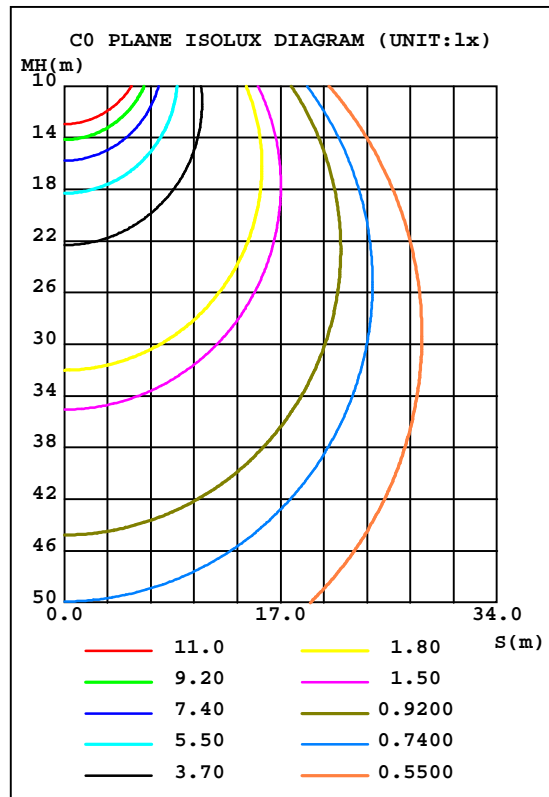
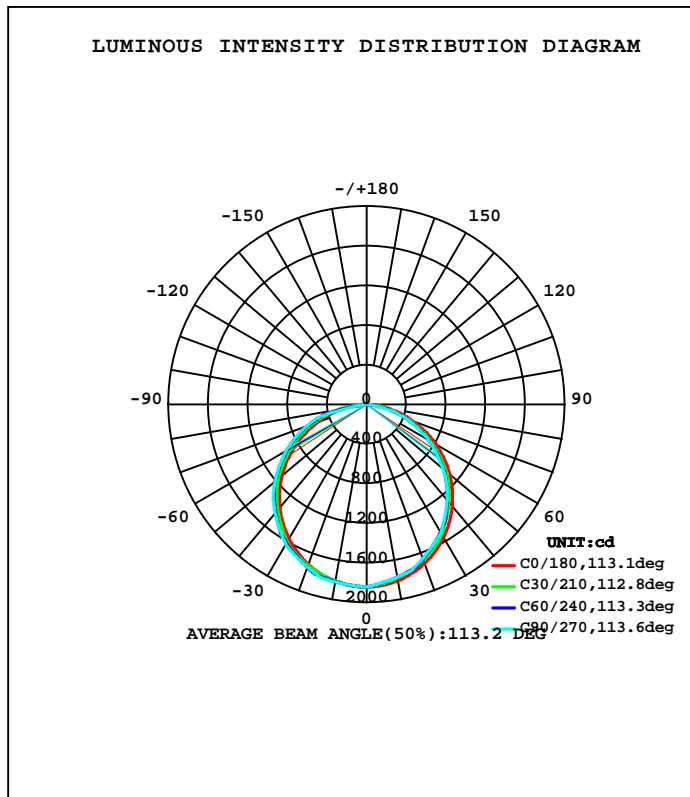


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.7V I:0.2206A P:47.01W PF:0.9703 Lamp Flux:5226.97x1 lm		
NAME: 174-237_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:550*1150	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 111.18 lm/W			
MODEL		I _{max} (cd)	1844	S/MH(C0/180)	1.26
NOMINAL POWER(W)	48	LOR(%)	100.0	S/MH(C90/270)	1.31
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	5227.0	h UP, DN(C0-180)	0.0, 47.0
NOMINAL FLUX(lm)	5226.97	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0, 53.0
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	h down(%)	100.0	CIBSE SHR MAX	1.35



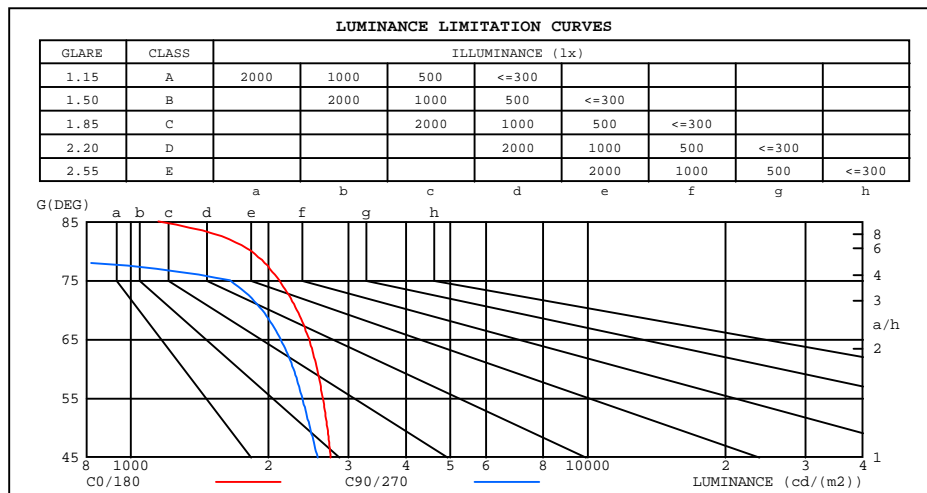
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-03-13

deg Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.690m [K=1.0000]
 Remarks: 174-237_3000K

ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	1834	1814	1808	1816	1837	1833	1833	1831	0- 5	43.80	43.80	0.84,0.84
10	1809	1776	1773	1779	1814	1813	1821	1810	5- 10	129.5	173.3	3.32,3.32
15	1767	1730	1737	1736	1775	1787	1809	1780	10- 15	211.2	384.5	7.36,7.36
20	1711	1677	1658	1685	1720	1753	1751	1744	15- 20	286.0	670.5	12.8,12.8
25	1639	1591	1578	1601	1651	1683	1693	1673	20- 25	350.4	1021	19.5,19.5
30	1554	1496	1499	1507	1569	1603	1635	1591	25- 30	403.7	1425	27.3,27.3
35	1456	1398	1382	1408	1472	1518	1536	1505	30- 35	444.0	1869	35.7,35.7
40	1347	1291	1265	1302	1365	1424	1437	1411	35- 40	468.5	2337	44.7,44.7
45	1226	1157	1148	1169	1246	1303	1339	1288	40- 45	478.0	2815	53.9,53.9
50	1096	1022	1005	1035	1116	1180	1207	1164	45- 50	472.2	3287	62.9,62.9
55	956.5	886.7	862.2	900.3	977.2	1056	1075	1039	50- 55	449.6	3737	71.5,71.5
60	809.0	733.7	719.4	746.4	829.8	905.7	943.2	890.0	55- 60	412.7	4150	79.4,79.4
65	657.5	584.1	569.6	595.0	675.5	758.0	793.4	744.4	60- 65	362.8	4512	86.3,86.3
70	500.3	436.7	419.7	446.5	518.5	608.1	643.6	595.6	65- 70	301.4	4814	92.1,92.1
75	346.5	291.9	269.9	301.3	365.9	456.2	493.8	442.9	70- 75	232.0	5046	96.5,96.5
80	201.8	136.5	0	143.8	219.2	263.3	0	252.2	75- 80	140.4	5186	99.2,99.2
85	63.38	0	0	0	76.38	0	0	0	80- 85	37.49	5224	99.9,99.9
90	0.2062	0	0	0	2.381	0	0	0	85- 90	3.314	5227	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1149	0
80	1836	0
75	2115	1648
70	2311	1939
65	2458	2129
60	2556	2273
55	2635	2375
50	2694	2470
45	2740	2564

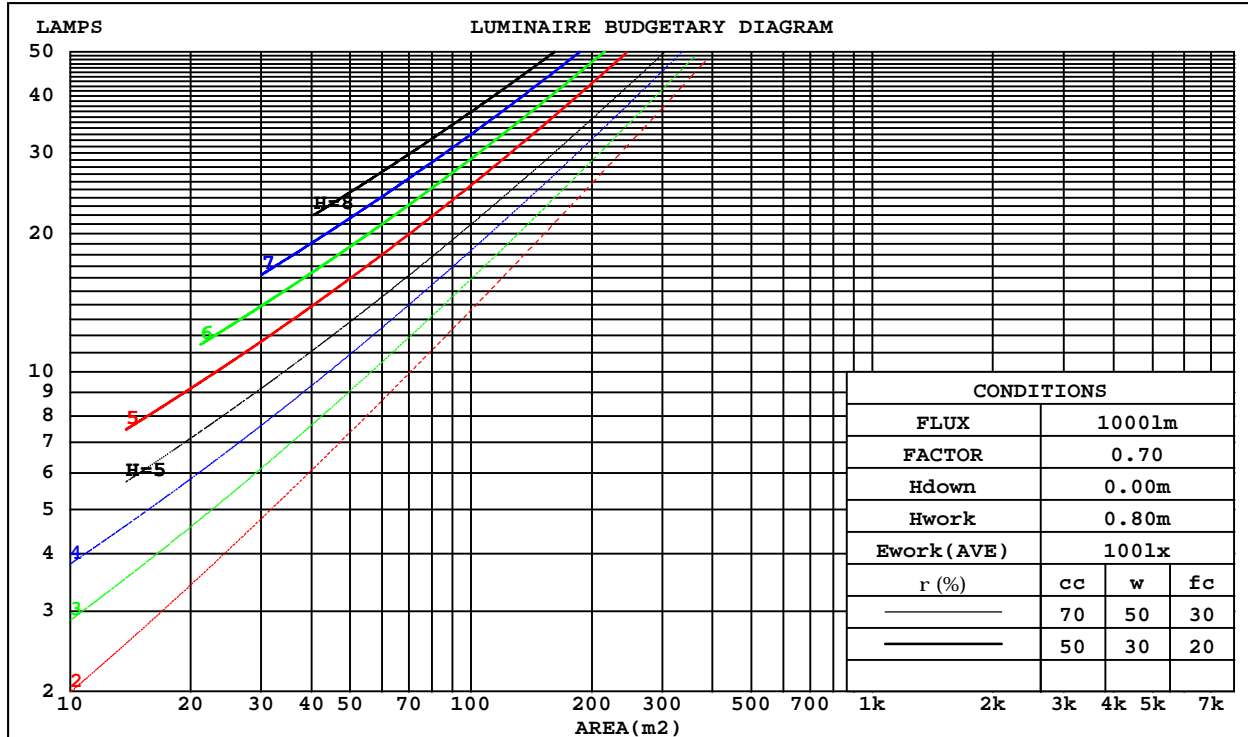
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-13

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity:65.0%
Test Distance:13.690m [K=1.0000]
Remarks: 174-237_3000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.7V I:0.2206A P:47.01W PF:0.9703 Lamp Flux:5226.97x1 lm		
NAME: 174-237_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:550*1150	PROTECTION ANGLE:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	1.00	.96	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.83	.77	.85	.80	.76	.82	.78	.74	.79	.76	.72	.70
3.0	.80	.72	.65	.78	.71	.64	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.59	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.45	.40	.51	.45	.40	.38
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.29	.27
10.0	.40	.32	.26	.39	.31	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-03-13

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.690m [K=1.0000]
 Remarks: 174-237_3000K

WEC AND CCEC

Test:U:219.7V I:0.2206A P:47.01W PF:0.9703 Lamp Flux:5226.97x1 lm		
NAME: 174-237_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:550*1150	PROTECTION ANGLE:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.300	.171	.054	.293	.167	.053	.280	.161	.051	.268	.154	.050	.257	.149	.048	
2.0	.288	.158	.048	.281	.155	.048	.270	.150	.047	.259	.145	.045	.249	.141	.044	
3.0	.268	.143	.043	.262	.141	.042	.252	.137	.042	.243	.133	.041	.234	.129	.040	
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.225	.121	.037	.218	.118	.036	
5.0	.230	.117	.034	.225	.116	.034	.217	.113	.033	.210	.111	.033	.203	.108	.033	
6.0	.213	.107	.031	.209	.106	.030	.202	.104	.030	.195	.102	.030	.189	.100	.030	
7.0	.199	.098	.028	.195	.097	.028	.189	.095	.027	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.025	.182	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.023	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.164	.078	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.148	.074	.021	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.135	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.099	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.164	.114	.075	.141	.099	.065	.097	.068	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.134	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.149	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-03-13

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.690m [K=1.0000]
 Remarks: 174-237_3000K

UGR(Unified Glare Rating) Table

Test:U:219.7V I:0.2206A P:47.01W PF:0.9703 Lamp Flux:5226.97x1 lm										
NAME: 174-237_3000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: Tronix Lighting					SUR.:550*1150			PROTECTION ANGLE:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	16.0	17.5	16.2	17.7	17.9	15.6	17.1	15.8	17.3	17.5
3H	17.5	18.9	17.8	19.1	19.3	16.9	18.3	17.2	18.6	18.8
4H	18.0	19.4	18.3	19.6	19.9	17.4	18.7	17.7	19.0	19.2
6H	18.4	19.6	18.7	19.9	20.2	17.4	18.6	17.7	18.9	19.2
8H	18.5	19.7	18.8	20.0	20.2	17.3	18.6	17.7	18.8	19.1
12H	18.5	19.6	18.8	19.9	20.2	17.3	18.5	17.6	18.7	19.1
4H 2H	16.5	17.8	16.8	18.1	18.3	16.2	17.5	16.5	17.8	18.0
3H	18.1	19.3	18.5	19.6	19.9	17.7	18.9	18.0	19.1	19.4
4H	18.8	19.9	19.2	20.2	20.5	18.2	19.3	18.6	19.6	20.0
6H	19.3	20.2	19.7	20.6	20.9	18.3	19.3	18.7	19.6	20.0
8H	19.4	20.3	19.8	20.6	21.0	18.3	19.1	18.7	19.5	19.9
12H	19.4	20.2	19.8	20.6	21.0	18.2	19.0	18.6	19.4	19.8
8H 4H	19.0	19.9	19.4	20.2	20.6	18.5	19.4	18.9	19.7	20.1
6H	19.6	20.3	20.0	20.7	21.1	18.6	19.3	19.0	19.7	20.1
8H	19.7	20.4	20.2	20.8	21.2	18.5	19.2	19.0	19.6	20.1
12H	19.8	20.4	20.3	20.8	21.3	18.5	19.1	19.0	19.5	20.0
12H 4H	19.0	19.8	19.4	20.1	20.6	18.5	19.3	18.9	19.7	20.1
6H	19.5	20.2	20.0	20.6	21.1	18.6	19.2	19.1	19.7	20.1
8H	19.7	20.3	20.2	20.7	21.2	18.6	19.1	19.0	19.6	20.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.1 / - 0.2					+ 0.1 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.3				

CIE Pub.117 Corrected 5227 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.7)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-03-13

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.690m [K=1.0000]
 Remarks: 174-237_3000K

UTILIZATION FACTORS TABLE

Test:U:219.7V I:0.2206A P:47.01W PF:0.9703 Lamp Flux:5226.97x1 lm		
NAME: 174-237_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:550*1150	PROTECTION ANGLE:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	49	65	55	48	41
1.00	76	65	58	75	64	57	73	66	57	50
1.25	83	73	66	82	72	65	79	71	65	57
1.50	88	79	72	87	78	71	84	76	70	63
2.00	95	87	80	93	86	80	90	83	78	70
2.50	99	92	86	97	90	85	93	88	83	75
3.00	103	96	90	100	94	89	96	91	87	79
4.00	107	101	97	104	99	95	100	96	92	84
5.00	109	104	100	107	102	99	102	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-03-13

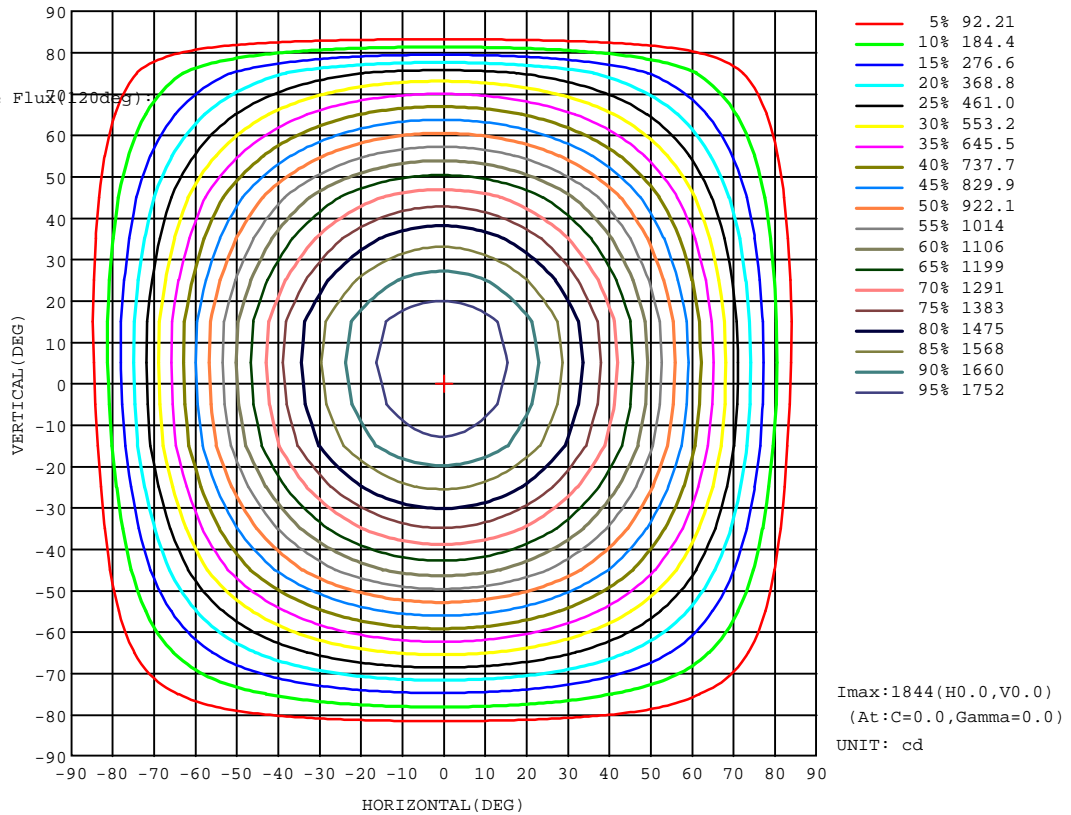
g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.690m [K=1.0000]
 Remarks: 174-237_3000K

ISOCANDELA DIAGRAM

Test:U:219.7V I:0.2206A P:47.01W PF:0.9703 Lamp Flux:5226.97x1 lm		
NAME: 174-237_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:550*1150	PROTECTION ANGLE:

Conical surface Flux(90deg):
 2815.1 lm
 %lum = 53.9%
 %lamp = 53.9%

Conical surface Flux(20deg):
 4149.5 lm
 %lum = 79.4%
 %lamp = 79.4%



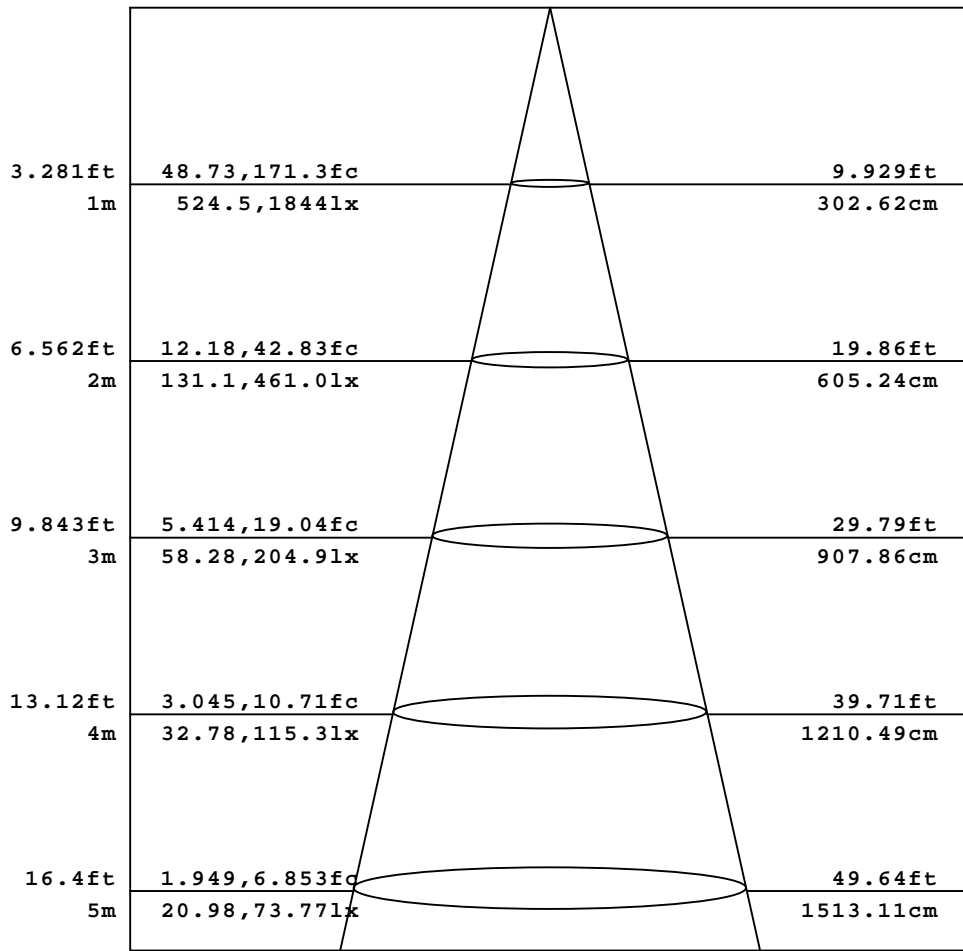
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-03-13

Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.690m [K=1.0000]
 Remarks: 174-237_3000K

AAI Figure

Test:U:219.7V I:0.2206A P:47.01W PF:0.9703 Lamp Flux:5226.97x1 lm		
NAME: 174-237_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:550*1150	PROTECTION ANGLE:

Flux out:3907 lm



Height Eavg, Emax Angle:113.08deg Diameter

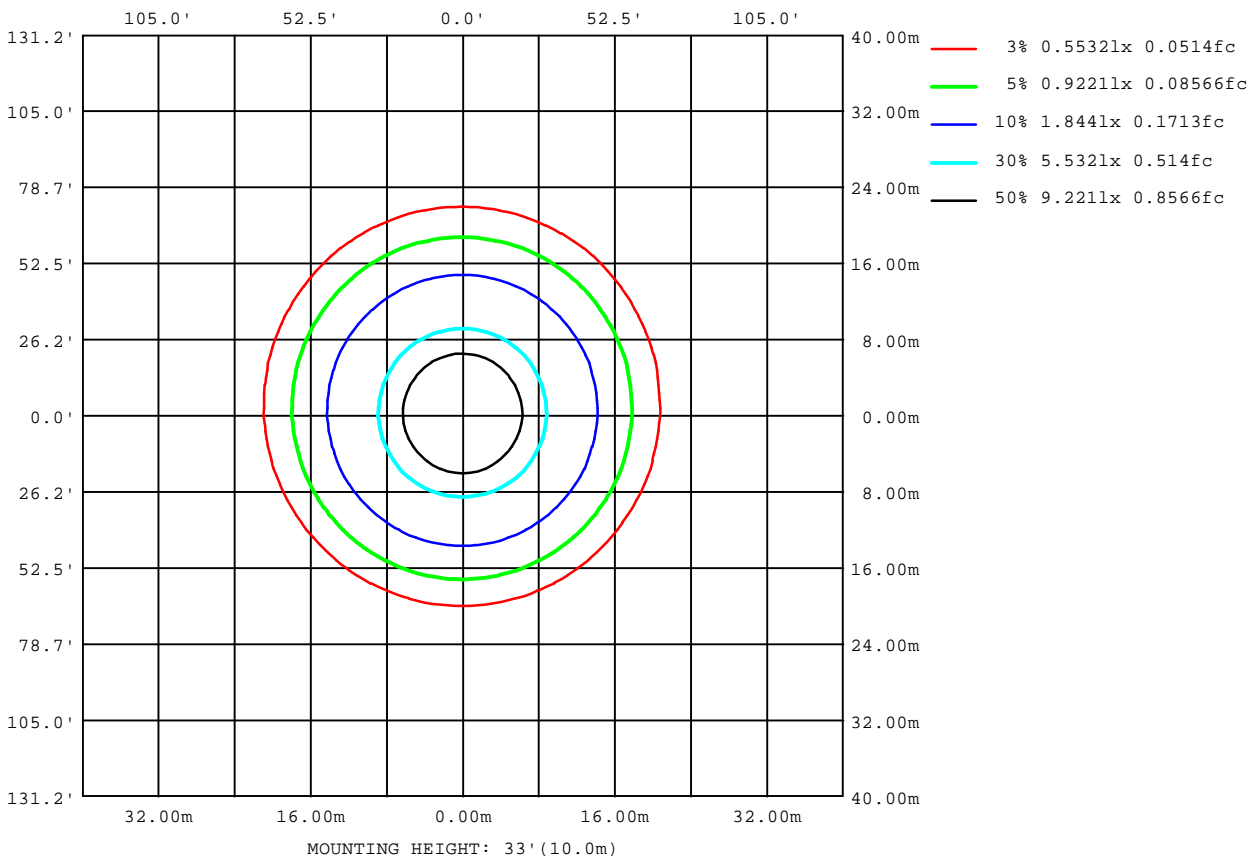
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-03-13

Log Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.690m [K=1.0000]
 Remarks: 174-237_3000K

ISOLUX DIAGRAM

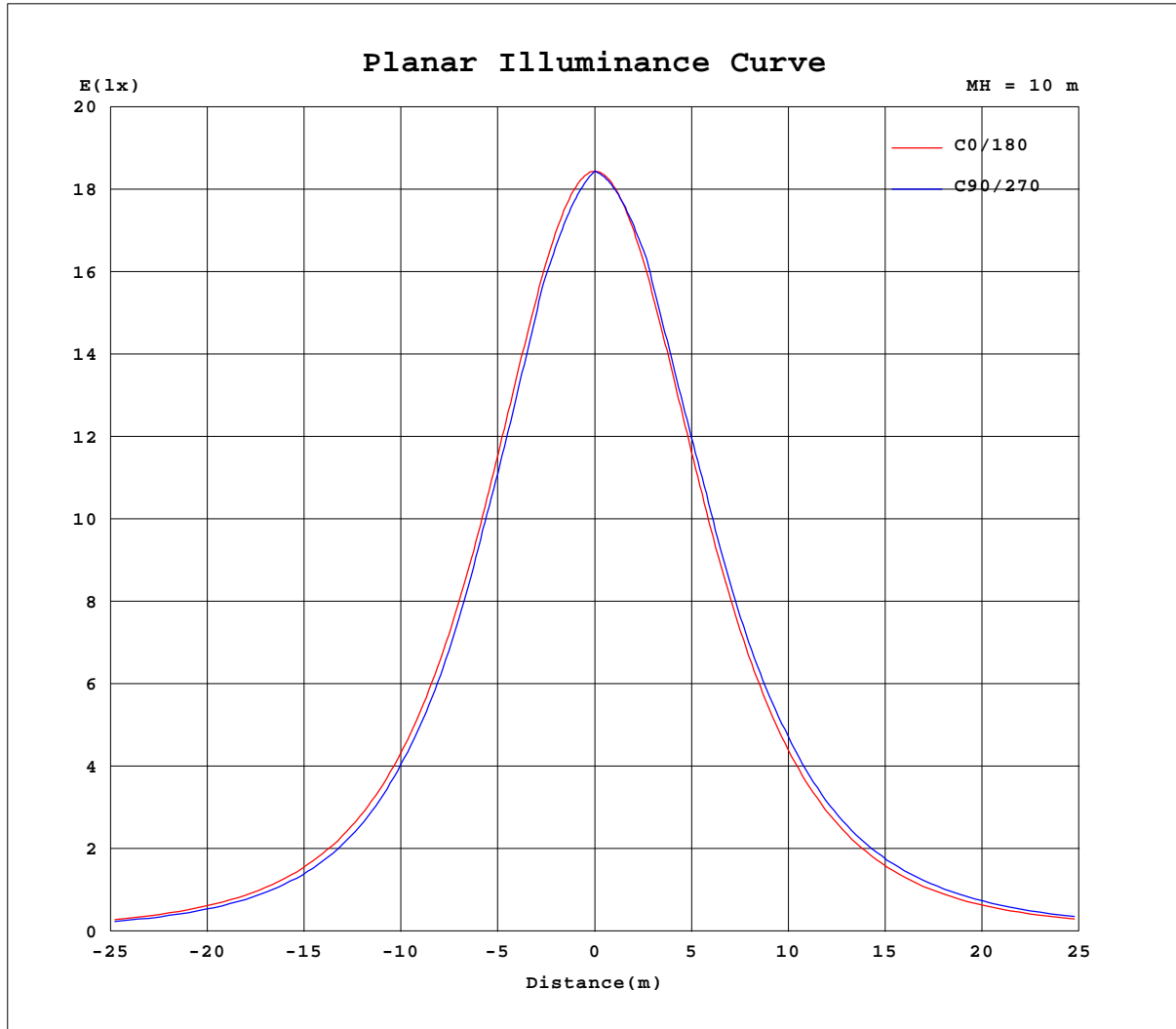
Test:U:219.7V I:0.2206A P:47.01W PF:0.9703 Lamp Flux:5226.97x1 lm		
NAME: 174-237_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:550*1150	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-03-13

Log Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.690m [K=1.0000]
 Remarks: 174-237_3000K

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-03-13

Beam Range: 0 - 90DEG
 Beam Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.690m [K=1.0000]
 Remarks: 174-237_3000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.7V I:0.2206A P:47.01W PF:0.9703 Lamp Flux:5226.97x1 lm		
NAME: 174-237_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:550*1150	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844
5	1834	1831	1828	1826	1823	1821	1819	1817	1815	1814	1812	1811	1810	1810	1809	1809	1808	1808	1808
10	1809	1803	1797	1793	1788	1785	1782	1779	1777	1776	1774	1773	1773	1772	1772	1772	1772	1772	1773
15	1767	1758	1751	1745	1740	1736	1733	1731	1730	1730	1730	1731	1732	1733	1734	1735	1736	1736	1737
20	1711	1700	1690	1683	1678	1675	1674	1674	1675	1677	1675	1670	1666	1663	1660	1659	1658	1657	1658
25	1639	1626	1616	1609	1605	1603	1604	1607	1598	1591	1586	1583	1580	1579	1578	1578	1578	1578	1578
30	1554	1539	1528	1522	1520	1521	1518	1508	1501	1496	1494	1493	1493	1493	1494	1496	1497	1498	1499
35	1456	1440	1429	1424	1425	1420	1409	1402	1398	1398	1398	1401	1395	1390	1386	1384	1382	1381	1382
40	1347	1329	1318	1316	1314	1302	1294	1291	1292	1291	1282	1275	1270	1267	1265	1264	1264	1264	1265
45	1226	1207	1198	1200	1186	1177	1175	1177	1166	1157	1151	1148	1145	1145	1145	1146	1146	1147	1148
50	1096	1076	1070	1064	1052	1049	1048	1035	1027	1022	1020	1020	1017	1012	1009	1006	1005	1005	1005
55	957	937	934	920	914	912	899	891	888	887	879	873	869	866	864	862	862	862	862
60	809	790	785	775	773	758	751	749	741	734	729	725	723	721	720	719	719	719	719
65	657	639	630	628	615	607	601	594	588	584	581	579	576	573	572	570	569	569	570
70	500	485	476	467	459	453	447	444	440	437	433	430	427	424	422	421	420	419	420
75	347	331	318	309	304	303	301	299	296	292	288	283	280	277	274	272	270	270	270
80	202	173	165	165	167	168	166	162	157	136	112	88.7	67.0	47.6	31.1	17.7	7.97	2.01	0.00
85	63.4	49.9	52.8	54.5	49.6	26.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-03-13

g Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.690m [K=1.0000]
 Remarks: 174-237_3000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.7V I:0.2206A P:47.01W PF:0.9703 Lamp Flux:5226.97x1 lm		
NAME: 174-237_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:550*1150	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) g (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844
5	1809	1809	1809	1810	1811	1812	1813	1814	1816	1817	1819	1821	1823	1826	1828	1831	1834	1837	1836
10	1773	1773	1774	1774	1775	1776	1776	1778	1779	1781	1783	1786	1789	1793	1798	1802	1808	1814	1812
15	1737	1737	1737	1737	1736	1736	1735	1735	1736	1737	1738	1741	1744	1748	1753	1759	1766	1775	1773
20	1658	1659	1661	1664	1667	1671	1676	1683	1685	1683	1683	1683	1685	1688	1694	1700	1709	1720	1718
25	1579	1580	1580	1582	1584	1587	1590	1595	1601	1609	1619	1616	1615	1617	1621	1628	1638	1651	1648
30	1499	1499	1499	1499	1499	1500	1501	1503	1507	1512	1521	1532	1536	1535	1537	1543	1554	1569	1566
35	1383	1384	1387	1391	1396	1402	1409	1408	1408	1410	1415	1424	1436	1442	1441	1446	1456	1472	1470
40	1266	1267	1269	1271	1274	1278	1284	1292	1302	1305	1305	1310	1319	1334	1336	1338	1347	1365	1363
45	1148	1150	1150	1151	1152	1154	1158	1162	1169	1178	1191	1190	1194	1206	1221	1219	1227	1246	1244
50	1006	1008	1011	1015	1020	1026	1031	1032	1035	1040	1049	1063	1065	1071	1086	1092	1098	1116	1116
55	863	864	867	869	873	878	884	891	900	902	907	915	929	933	942	957	959	977	979
60	720	721	723	725	727	730	734	740	746	755	767	769	776	790	793	808	813	830	833
65	570	572	574	576	579	583	587	591	595	601	609	620	625	630	643	651	662	676	684
70	421	422	424	427	430	434	438	442	446	451	456	462	469	475	479	489	509	518	532
75	271	273	275	278	282	286	291	296	301	306	311	313	316	319	323	329	346	366	377
80	2.02	8.04	18.0	31.6	48.7	68.9	91.8	117	144	167	173	178	180	180	179	179	186	219	231
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.8	58.9	64.5	61.5	58.6	76.4	100
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.38	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-03-13

Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.690m [K=1.0000]
 Remarks: 174-237_3000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.7V I:0.2206A P:47.01W PF:0.9703 Lamp Flux:5226.97x1 lm		
NAME: 174-237_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:550*1150	PROTECTION ANGLE:

Table--3

UNIT: cd

C(DEG) g (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844
5	1835	1835	1834	1834	1833	1833	1833	1833	1833	1833	1833	1833	1833	1833	1833	1832	1833	1832	1832
10	1811	1810	1810	1810	1810	1811	1812	1813	1815	1816	1817	1819	1820	1820	1821	1821	1821	1821	1820
15	1771	1771	1772	1774	1776	1779	1783	1787	1791	1794	1798	1802	1805	1807	1808	1809	1809	1809	1807
20	1717	1718	1721	1725	1731	1737	1745	1753	1756	1754	1753	1752	1752	1752	1751	1751	1751	1751	1750
25	1648	1651	1657	1665	1675	1687	1685	1683	1683	1685	1686	1688	1690	1691	1693	1693	1693	1693	1690
30	1567	1573	1582	1595	1601	1599	1600	1603	1607	1612	1617	1622	1626	1630	1633	1634	1635	1633	1630
35	1473	1483	1497	1503	1502	1505	1510	1518	1527	1536	1536	1536	1536	1536	1536	1536	1536	1535	1533
40	1368	1382	1394	1392	1396	1404	1416	1424	1424	1426	1428	1431	1433	1435	1437	1438	1437	1436	1433
45	1253	1272	1271	1275	1285	1300	1300	1303	1307	1313	1319	1325	1330	1334	1338	1339	1339	1337	1333
50	1129	1140	1142	1153	1166	1167	1172	1180	1189	1200	1204	1205	1206	1207	1208	1208	1207	1205	1203
55	997	999	1008	1021	1024	1032	1044	1056	1058	1060	1064	1067	1070	1073	1075	1075	1075	1073	1071
60	850	853	869	872	883	898	901	906	911	918	924	930	935	939	942	943	943	941	938
65	694	706	713	727	737	741	749	758	767	776	781	785	789	791	793	794	793	792	789
70	537	547	563	571	579	588	600	608	616	623	629	634	638	641	643	644	644	642	639
75	384	398	407	415	427	437	447	456	464	472	478	484	488	491	493	494	494	492	489
80	243	250	261	271	282	292	300	263	214	168	126	89.2	57.8	32.9	14.7	3.69	0.00	3.67	14.6
85	107	116	114	58.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-03-13

Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.690m [K=1.0000]
 Remarks: 174-237_3000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.7V I:0.2206A P:47.01W PF:0.9703 Lamp Flux:5226.97x1 lm		
NAME: 174-237_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.:550*1150	PROTECTION ANGLE:

Table--4

UNIT: cd

C(DEC) g (DEC)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844				
5	1832	1832	1832	1831	1831	1831	1831	1831	1831	1831	1831	1831	1832	1833	1833				
10	1819	1818	1816	1814	1813	1811	1810	1808	1807	1806	1805	1805	1805	1806	1807				
15	1805	1801	1798	1794	1789	1785	1780	1776	1772	1768	1766	1764	1763	1763	1765				
20	1749	1748	1747	1746	1747	1747	1744	1735	1728	1721	1715	1710	1708	1707	1708				
25	1688	1685	1682	1679	1676	1674	1673	1673	1674	1662	1652	1644	1638	1635	1636				
30	1626	1621	1615	1609	1603	1597	1591	1587	1585	1585	1579	1566	1557	1551	1550				
35	1532	1530	1529	1528	1527	1516	1505	1496	1489	1485	1485	1477	1464	1455	1453				
40	1430	1426	1422	1418	1415	1412	1411	1401	1388	1378	1373	1373	1361	1348	1344				
45	1328	1323	1316	1308	1300	1293	1288	1285	1284	1267	1255	1250	1248	1231	1223				
50	1201	1198	1195	1192	1186	1175	1164	1155	1149	1147	1133	1120	1116	1105	1094				
55	1067	1063	1058	1052	1047	1042	1039	1025	1013	1004	1002	986	975	971	955				
60	934	928	921	913	905	898	890	883	878	861	851	848	830	824	809				
65	786	781	776	770	764	756	744	733	723	715	703	691	687	668	658				
70	636	631	625	618	611	604	596	587	573	560	549	539	527	516	505				
75	486	481	475	468	461	452	443	433	422	412	398	385	375	365	352				
80	32.5	56.9	87.4	123	163	207	252	286	276	266	254	243	231	221	209				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.7	100	99.9	90.1	80.0				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-03-13

Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.690m [K=1.0000]
 Remarks: 174-237_3000K

Photometric Data Table [cd]

G/C	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844
2.5	1841	1840	1838	1837	1836	1834	1833	1832	1831	1830
5.0	1834	1831	1828	1826	1823	1821	1819	1817	1815	1814
7.5	1824	1819	1815	1811	1808	1805	1802	1799	1797	1796
10.0	1809	1803	1797	1793	1788	1785	1782	1779	1777	1776
12.5	1790	1783	1776	1771	1766	1762	1759	1756	1755	1754
15.0	1767	1758	1751	1745	1740	1736	1733	1731	1730	1730
17.5	1741	1731	1723	1716	1711	1707	1705	1704	1704	1704
20.0	1711	1700	1690	1683	1678	1675	1674	1674	1674	1677
22.5	1677	1664	1655	1648	1643	1641	1640	1642	1644	1637
25.0	1639	1626	1616	1609	1605	1603	1604	1607	1598	1591
27.5	1598	1584	1573	1567	1563	1564	1566	1559	1550	1544
30.0	1554	1539	1528	1522	1520	1521	1518	1508	1501	1496
32.5	1507	1491	1480	1474	1473	1476	1464	1456	1450	1447
35.0	1456	1440	1429	1424	1425	1420	1409	1402	1398	1398
37.5	1403	1385	1375	1372	1374	1361	1352	1347	1346	1347
40.0	1347	1329	1318	1316	1314	1302	1294	1291	1292	1291
42.5	1288	1269	1260	1259	1251	1240	1235	1234	1234	1224
45.0	1226	1207	1198	1200	1186	1177	1175	1177	1166	1157
47.5	1162	1143	1135	1134	1120	1113	1114	1107	1096	1089
50.0	1096	1076	1070	1064	1052	1049	1048	1035	1027	1022
52.5	1027	1007	1002	992.9	983.3	983.4	973.3	963.0	957.1	954.8
55.0	956.5	936.6	933.6	920.1	914.4	912.2	898.6	891.3	887.8	886.7
57.5	883.4	863.9	862.2	847.4	844.8	835.0	824.6	819.7	818.2	809.9
60.0	809.0	790.0	785.4	774.7	773.4	757.8	750.7	749.0	740.6	733.7
62.5	734.3	714.7	707.3	701.5	694.4	681.7	678.0	671.1	663.8	658.4
65.0	657.5	638.6	629.9	628.4	614.8	606.9	601.3	593.6	588.1	584.1
67.5	578.9	562.0	552.7	549.1	536.1	532.0	523.4	517.9	513.6	510.5
70.0	500.3	485.4	476.0	466.8	458.8	453.3	447.4	443.6	440.2	436.7
72.5	422.7	409.0	399.6	386.9	380.5	376.5	373.1	370.8	367.5	363.8
75.0	346.5	330.8	317.7	308.6	304.2	302.6	301.3	299.4	296.1	291.9
77.5	273.0	250.3	237.7	233.6	232.9	233.0	232.4	229.9	225.9	220.9
80.0	201.8	172.5	165.0	165.1	166.9	167.9	165.9	161.9	156.8	136.5
82.5	130.8	102.8	102.8	105.1	107.6	105.8	99.40	74.36	46.87	18.49
85.0	63.38	49.85	52.81	54.55	49.56	26.93	0	0	0	0
87.5	12.25	18.22	14.21	0	0	0	0	0	0	0
90.0	0.2062	0	0	0	0	0	0	0	0	0
G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844
2.5	1829	1828	1828	1827	1827	1826	1826	1826	1826	1826
5.0	1812	1811	1810	1810	1809	1809	1808	1808	1808	1809
7.5	1794	1793	1792	1791	1791	1791	1790	1790	1790	1791
10.0	1774	1773	1773	1772	1772	1772	1772	1772	1773	1773
12.5	1753	1753	1753	1753	1753	1753	1754	1754	1755	1755
15.0	1730	1731	1732	1733	1734	1735	1736	1736	1737	1737
17.5	1706	1708	1707	1704	1701	1699	1698	1697	1697	1698
20.0	1675	1670	1666	1663	1660	1659	1658	1657	1658	1658
22.5	1631	1627	1623	1621	1619	1618	1618	1618	1618	1619
25.0	1586	1583	1580	1579	1578	1578	1578	1578	1578	1579
27.5	1541	1538	1537	1536	1536	1537	1537	1538	1539	1539
30.0	1494	1493	1493	1493	1494	1496	1497	1498	1499	1499
32.5	1447	1447	1448	1451	1446	1443	1441	1440	1441	1441
35.0	1398	1401	1395	1390	1386	1384	1382	1381	1382	1383
37.5	1347	1339	1333	1329	1325	1324	1323	1323	1323	1324
40.0	1282	1275	1270	1267	1265	1264	1264	1264	1265	1266
42.5	1216	1211	1208	1206	1205	1205	1205	1206	1206	1207
45.0	1151	1148	1145	1145	1145	1146	1146	1147	1148	1148
47.5	1086	1084	1083	1084	1081	1079	1077	1076	1076	1078
50.0	1020	1020	1017	1012	1009	1006	1005	1005	1005	1006
52.5	954.6	948.1	942.7	938.8	936.2	934.3	933.5	933.2	933.6	934.6
55.0	879.0	873.5	869.1	865.9	863.8	862.4	861.9	861.8	862.2	863.1
57.5	803.7	799.0	795.6	793.2	791.6	790.6	790.2	790.3	790.6	791.6
60.0	728.8	725.2	722.5	720.7	719.6	718.9	718.7	718.8	719.4	720.1
62.5	654.6	651.8	649.8	648.3	646.5	645.1	644.3	644.0	644.5	645.3
65.0	581.1	578.6	575.8	573.4	571.6	570.2	569.4	569.2	569.6	570.4
67.5	507.2	503.9	501.1	498.9	496.9	495.5	494.5	494.3	494.6	495.5
70.0	433.2	429.9	427.0	424.5	422.4	420.8	419.8	419.4	419.7	420.6
72.5	360.0	356.4	353.2	350.4	348.0	346.2	345.0	344.6	344.8	345.8
75.0	287.5	283.5	279.7	276.6	273.8	271.7	270.3	269.7	269.9	270.9
77.5	215.7	210.9	194.3	177.1	162.3	150.4	141.7	136.5	135.0	137.1
80.0	112.1	88.66	66.99	47.63	31.06	17.73	7.966	2.006	0	2.015
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-03-13

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.690m [K=1.0000]
 Remarks: 174-237_3000K

Photometric Data Table [cd]

87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844
2.5	1827	1827	1827	1828	1828	1829	1830	1831	1832	1833
5.0	1809	1809	1810	1811	1812	1813	1814	1816	1817	1819
7.5	1791	1792	1792	1793	1794	1795	1797	1798	1800	1803
10.0	1773	1774	1774	1775	1776	1776	1778	1779	1781	1783
12.5	1755	1755	1756	1756	1756	1757	1757	1758	1760	1762
15.0	1737	1737	1737	1736	1736	1735	1735	1736	1737	1738
17.5	1699	1701	1704	1708	1712	1714	1712	1711	1711	1712
20.0	1659	1661	1664	1667	1671	1676	1683	1685	1683	1683
22.5	1620	1621	1623	1626	1629	1634	1639	1646	1654	1651
25.0	1580	1580	1582	1584	1587	1590	1595	1601	1609	1619
27.5	1539	1540	1541	1542	1543	1546	1549	1555	1561	1570
30.0	1499	1499	1499	1499	1500	1501	1503	1507	1512	1521
32.5	1443	1446	1451	1456	1455	1455	1456	1458	1462	1469
35.0	1384	1387	1391	1396	1402	1409	1408	1408	1410	1415
37.5	1326	1328	1331	1335	1340	1347	1356	1357	1358	1361
40.0	1267	1269	1271	1274	1278	1284	1292	1302	1305	1305
42.5	1208	1210	1211	1213	1216	1221	1227	1236	1247	1248
45.0	1150	1150	1151	1152	1154	1158	1162	1169	1178	1191
47.5	1080	1083	1087	1091	1092	1094	1097	1102	1110	1121
50.0	1008	1011	1015	1020	1026	1031	1032	1035	1040	1049
52.5	936.2	938.8	941.9	946.2	951.7	958.4	967.0	968.0	971.5	977.9
55.0	864.5	866.7	869.4	873.0	877.8	883.6	890.9	900.3	902.5	906.7
57.5	792.8	794.7	797.0	800.0	804.0	808.9	815.2	823.0	833.1	835.7
60.0	721.2	722.7	724.7	727.1	730.4	734.5	739.7	746.4	755.0	766.8
62.5	646.7	648.8	651.3	654.3	657.2	660.5	664.9	670.3	677.4	688.4
65.0	571.9	573.9	576.4	579.4	582.8	586.8	590.6	595.0	600.7	609.5
67.5	497.0	499.1	501.6	504.7	508.1	512.1	516.3	520.6	525.5	532.1
70.0	422.2	424.4	427.1	430.2	433.8	437.8	442.1	446.5	450.9	456.1
72.5	347.4	349.7	352.6	356.0	359.8	364.2	368.8	373.4	378.0	382.0
75.0	272.6	275.1	278.3	282.0	286.2	290.9	296.1	301.3	306.4	310.6
77.5	142.9	152.4	165.2	181.1	199.8	218.2	224.0	230.1	236.1	241.0
80.0	8.036	17.97	31.63	48.72	68.90	91.78	116.9	143.8	166.8	172.9
82.5	0	0	0	0	0	0	0	19.49	50.05	80.77
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844
2.5	1834	1835	1837	1838	1840	1841	1843	1842	1842	1841
5.0	1821	1823	1826	1828	1831	1834	1837	1836	1835	1835
7.5	1805	1808	1811	1815	1819	1823	1827	1826	1825	1824
10.0	1786	1789	1793	1798	1802	1808	1814	1812	1811	1810
12.5	1765	1768	1772	1777	1783	1789	1796	1794	1793	1793
15.0	1741	1744	1748	1753	1759	1766	1775	1773	1771	1771
17.5	1713	1716	1719	1725	1732	1740	1750	1747	1746	1746
20.0	1683	1685	1688	1694	1700	1709	1720	1718	1717	1718
22.5	1651	1651	1654	1659	1666	1676	1688	1685	1684	1686
25.0	1616	1615	1617	1621	1628	1638	1651	1648	1648	1651
27.5	1579	1577	1577	1581	1587	1598	1612	1609	1609	1613
30.0	1532	1536	1535	1537	1543	1554	1569	1566	1567	1573
32.5	1479	1493	1490	1490	1496	1506	1522	1519	1521	1529
35.0	1424	1436	1442	1441	1446	1456	1472	1470	1473	1483
37.5	1367	1379	1392	1390	1393	1403	1420	1418	1422	1433
40.0	1310	1319	1334	1336	1338	1347	1365	1363	1368	1382
42.5	1250	1257	1270	1279	1280	1289	1307	1305	1312	1328
45.0	1190	1194	1206	1221	1219	1227	1246	1244	1253	1272
47.5	1129	1131	1139	1156	1157	1164	1182	1181	1192	1209
50.0	1063	1065	1071	1086	1092	1098	1116	1116	1129	1140
52.5	988.8	1000	1002	1015	1026	1029	1048	1048	1064	1070
55.0	915.4	928.7	932.6	941.6	957.2	958.8	977.2	978.5	996.6	998.9
57.5	842.1	851.9	862.5	867.5	886.2	886.7	904.5	906.9	926.9	926.4
60.0	769.1	775.8	789.5	793.0	808.3	813.0	829.8	833.4	849.6	853.1
62.5	697.1	700.0	709.6	718.1	730.3	738.7	753.3	759.4	771.6	779.4
65.0	619.7	625.2	630.4	642.7	650.8	662.4	675.5	684.0	693.7	705.8
67.5	540.0	549.9	551.9	561.7	570.3	585.9	597.0	607.7	614.7	627.0
70.0	462.1	469.1	474.9	479.4	489.4	509.0	518.5	531.7	536.9	547.4
72.5	386.2	390.9	396.6	399.3	408.8	430.4	440.4	455.5	461.1	470.8
75.0	313.3	315.8	319.3	323.1	329.1	346.2	365.9	376.8	383.7	398.5
77.5	244.3	245.5	246.4	248.3	250.9	264.2	293.5	301.7	311.6	322.8

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2017-03-13

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity:65.0%
 Test Distance:13.690m [K=1.0000]
 Remarks: 174-237_3000K

Photometric Data Table [cd]

80.0	177.6	180.0	179.8	178.9	178.9	185.7	219.2	230.8	242.8	250.4
82.5	110.2	117.5	119.5	117.6	114.5	114.0	144.9	162.6	171.9	181.9
85.0	0	30.79	58.88	64.46	61.51	58.63	76.38	100.1	107.1	115.9
87.5	0	0	0	0	19.18	23.96	20.73	40.64	41.17	0
90.0	0	0	0	0	0	0	2.381	0	0	0
G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844
2.5	1841	1840	1840	1840	1840	1839	1839	1839	1839	1839
5.0	1834	1834	1833	1833	1833	1833	1833	1833	1833	1833
7.5	1824	1823	1823	1823	1824	1824	1825	1825	1826	1826
10.0	1810	1810	1810	1811	1812	1813	1815	1816	1817	1819
12.5	1793	1794	1795	1797	1799	1801	1803	1806	1808	1810
15.0	1772	1774	1776	1779	1783	1787	1791	1794	1798	1802
17.5	1748	1751	1755	1760	1765	1771	1777	1782	1785	1783
20.0	1721	1725	1731	1737	1745	1753	1756	1754	1753	1752
22.5	1690	1697	1704	1713	1723	1721	1720	1720	1720	1720
25.0	1657	1665	1675	1687	1688	1683	1683	1680	1686	1688
27.5	1621	1631	1643	1644	1643	1644	1646	1649	1652	1655
30.0	1582	1595	1601	1599	1600	1603	1607	1612	1617	1622
32.5	1540	1555	1552	1553	1555	1561	1567	1574	1582	1588
35.0	1497	1503	1502	1505	1510	1518	1527	1536	1536	1536
37.5	1450	1449	1450	1455	1463	1474	1483	1482	1482	1483
40.0	1394	1392	1396	1404	1416	1424	1424	1426	1428	1431
42.5	1334	1335	1341	1353	1364	1364	1366	1370	1374	1378
45.0	1271	1275	1285	1300	1300	1303	1307	1313	1319	1325
47.5	1207	1215	1228	1234	1236	1241	1248	1256	1264	1272
50.0	1142	1153	1166	1167	1172	1180	1189	1200	1204	1205
52.5	1075	1090	1095	1100	1108	1119	1131	1132	1134	1136
55.0	1008	1021	1024	1032	1044	1056	1058	1060	1064	1067
57.5	940.1	946.5	952.9	964.9	978.9	980.7	984.5	988.8	993.8	998.6
60.0	868.8	872.5	882.7	898.5	901.3	905.7	911.5	917.6	924.2	930.0
62.5	790.2	799.1	813.3	819.6	824.6	831.6	839.1	847.1	854.9	861.3
65.0	712.6	726.8	737.1	741.2	748.8	758.0	767.4	776.1	781.1	785.2
67.5	636.5	653.5	657.5	664.1	674.2	685.3	692.6	699.1	704.7	709.4
70.0	562.6	571.2	578.6	588.4	599.7	608.1	615.6	622.8	628.8	633.8
72.5	485.3	491.7	502.1	513.1	522.5	531.5	539.6	547.0	553.2	558.6
75.0	406.7	415.3	426.8	437.2	447.1	456.2	464.4	471.7	478.2	483.6
77.5	332.7	342.7	353.0	363.4	373.0	381.8	389.9	397.1	366.1	331.6
80.0	261.3	271.4	281.7	291.6	300.4	263.3	214.3	168.3	126.3	89.20
82.5	191.8	202.3	205.2	148.8	91.64	35.69	0	0	0	0
85.0	114.3	58.25	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844
2.5	1839	1838	1838	1838	1838	1838	1838	1838	1838	1838
5.0	1833	1833	1833	1832	1833	1832	1832	1832	1832	1832
7.5	1826	1827	1827	1827	1827	1826	1826	1826	1825	1824
10.0	1820	1820	1821	1821	1821	1821	1820	1819	1818	1816
12.5	1812	1814	1815	1815	1815	1815	1814	1812	1810	1807
15.0	1805	1807	1808	1809	1809	1809	1807	1805	1801	1798
17.5	1783	1782	1781	1780	1780	1780	1779	1779	1779	1779
20.0	1752	1752	1752	1751	1751	1751	1750	1749	1748	1747
22.5	1721	1722	1722	1722	1722	1721	1720	1718	1717	1715
25.0	1690	1691	1693	1693	1693	1692	1690	1688	1685	1682
27.5	1658	1661	1663	1664	1664	1663	1660	1657	1653	1649
30.0	1626	1630	1633	1634	1635	1633	1630	1626	1621	1615
32.5	1587	1587	1586	1586	1585	1584	1583	1582	1581	1582
35.0	1536	1536	1536	1536	1536	1535	1533	1532	1530	1529
37.5	1484	1486	1487	1487	1487	1485	1483	1481	1478	1476
40.0	1433	1435	1437	1438	1437	1436	1433	1430	1426	1422
42.5	1382	1385	1387	1388	1388	1386	1383	1379	1374	1369
45.0	1330	1334	1338	1339	1339	1337	1333	1328	1323	1316
47.5	1274	1274	1274	1274	1273	1271	1270	1268	1266	1262
50.0	1206	1207	1208	1208	1207	1205	1203	1201	1198	1195
52.5	1138	1140	1141	1142	1141	1139	1137	1134	1130	1126
55.0	1070	1073	1075	1075	1075	1073	1071	1067	1063	1058
57.5	1003	1006	1008	1009	1009	1007	1005	1001	995.1	989.2
60.0	935.2	939.2	942.0	943.3	943.2	941.3	938.3	934.0	927.7	920.9
62.5	864.4	866.7	868.2	868.7	868.3	866.7	864.5	861.5	857.1	852.4
65.0	788.7	791.4	793.1	793.7	793.4	791.8	789.4	786.0	781.4	776.2
67.5	713.2	716.1	718.0	718.8	718.5	716.9	714.3	710.8	705.9	700.3
70.0	637.9	641.0	643.0	643.9	643.6	642.0	639.3	635.7	630.6	624.8

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-03-13

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.690m [K=1.0000]
 Remarks: 174-237_3000K

Photometric Data Table [cd]

72.5	562.9	566.0	568.0	569.0	568.7	567.1	564.4	560.6	555.6	549.7
75.0	487.9	491.1	493.1	494.1	493.8	492.3	489.5	485.7	480.6	474.8
77.5	302.2	278.7	261.4	250.8	246.9	249.8	259.4	275.5	297.4	325.0
80.0	57.85	32.85	14.69	3.685	0	3.671	14.58	32.47	56.92	87.39
82.5	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	1844	1844	1844	1844	1844	1844	1844	1844	1844	1844
2.5	1838	1838	1838	1839	1839	1839	1839	1839	1840	1840
5.0	1831	1831	1831	1831	1831	1831	1831	1831	1831	1832
7.5	1823	1823	1822	1821	1820	1820	1820	1820	1820	1820
10.0	1814	1813	1811	1810	1808	1807	1806	1805	1805	1805
12.5	1805	1802	1799	1796	1793	1790	1789	1787	1786	1786
15.0	1794	1789	1785	1780	1776	1772	1768	1766	1764	1763
17.5	1780	1776	1770	1763	1756	1751	1746	1742	1739	1737
20.0	1746	1747	1747	1744	1735	1728	1721	1715	1710	1708
22.5	1713	1712	1711	1712	1712	1702	1693	1685	1678	1674
25.0	1679	1676	1674	1673	1673	1674	1662	1652	1644	1638
27.5	1644	1640	1636	1633	1631	1630	1629	1616	1606	1599
30.0	1609	1603	1597	1591	1587	1585	1585	1579	1566	1557
32.5	1573	1565	1557	1549	1542	1538	1536	1538	1523	1512
35.0	1528	1527	1516	1505	1496	1489	1485	1485	1477	1464
37.5	1473	1472	1471	1461	1449	1439	1432	1430	1430	1413
40.0	1418	1415	1412	1411	1401	1388	1378	1373	1373	1361
42.5	1363	1358	1353	1350	1349	1336	1323	1315	1312	1306
45.0	1308	1300	1293	1288	1285	1284	1267	1255	1250	1248
47.5	1253	1243	1234	1226	1220	1217	1210	1194	1185	1185
50.0	1192	1186	1175	1164	1155	1149	1147	1133	1120	1116
52.5	1122	1118	1115	1102	1090	1081	1076	1071	1053	1046
55.0	1052	1047	1042	1039	1025	1013	1004	1002	986.4	974.6
57.5	982.6	975.7	969.8	964.0	959.7	944.8	932.7	926.1	918.6	902.7
60.0	913.0	905.0	898.1	890.0	883.0	877.5	861.4	850.7	848.2	830.0
62.5	844.0	834.9	826.7	816.8	807.5	800.0	791.4	776.1	768.7	759.1
65.0	770.3	764.4	756.0	744.4	732.8	722.6	715.1	702.7	691.2	686.7
67.5	694.0	687.6	681.6	672.8	659.5	647.2	636.3	628.7	613.9	607.8
70.0	618.1	611.5	604.3	595.6	586.6	573.3	560.1	549.0	538.6	526.7
72.5	542.8	535.8	527.8	518.7	509.0	498.9	485.8	472.1	461.6	448.5
75.0	467.9	460.5	452.2	442.9	432.9	422.5	411.8	398.4	384.8	375.3
77.5	357.2	385.7	377.3	368.3	358.5	348.3	337.4	325.9	312.8	301.4
80.0	123.2	163.3	206.7	252.2	285.5	276.0	265.8	254.2	243.0	230.9
82.5	0	0	0	34.16	86.91	139.5	189.9	185.7	174.6	164.0
85.0	0	0	0	0	0	0	0	52.72	100.3	99.86
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0
G/C	350.0	355.0								
0.0	1844	1844								
2.5	1840	1841								
5.0	1833	1833								
7.5	1821	1822								
10.0	1806	1807								
12.5	1787	1788								
15.0	1763	1765								
17.5	1737	1738								
20.0	1707	1708								
22.5	1673	1673								
25.0	1635	1636								
27.5	1595	1594								
30.0	1551	1550								
32.5	1505	1503								
35.0	1455	1453								
37.5	1403	1400								
40.0	1348	1344								
42.5	1291	1285								
45.0	1231	1223								
47.5	1169	1160								
50.0	1105	1094								
52.5	1039	1025								
55.0	970.5	955.0								
57.5	899.9	882.6								
60.0	823.6	809.1								
62.5	746.1	734.3								

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2017-03-13

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
 Humidity: 65.0%
 Test Distance: 13.690m [K=1.0000]
 Remarks: 174-237_3000K

Photometric Data Table [cd]

65.0	668.4	658.0
67.5	591.3	581.3
70.0	515.5	504.5
72.5	441.7	428.2
75.0	364.8	351.7
77.5	289.5	278.4
80.0	220.9	209.2
82.5	152.0	142.0
85.0	90.12	80.01
87.5	30.47	27.66
90.0	0	0

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2017-03-13

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.286
Humidity: 65.0%
Test Distance: 13.690m [K=1.0000]
Remarks: 174-237_3000K