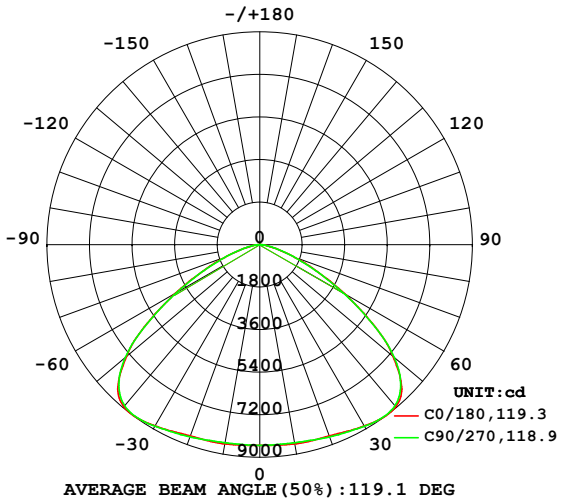
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.3V I:0.6763A P:150.4W PF:0.9656 Lamp Flux:28249.5x1 lm		
NAME: 950-110_120°	TYPE:150W	WEIGHT:
SPEC.:4000K	DIM.:	SERIAL No.:
MFR.:	SUR.:φ0.27	Shielding Angle:

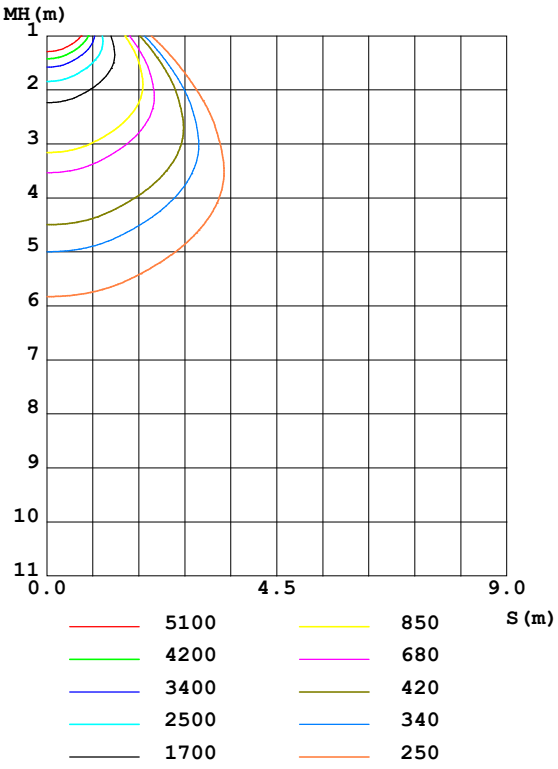
DATA OF LAMP		PHOTOMETRIC DATA Eff: 187.87 lm/W			
MODEL	2835	Imax(cd)	9071	S/MH(C0/180)	1.61
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.61
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	28250	η UP,DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	28249.5	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):119.1 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-01-05

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Checker: LI

Assessor:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	8514	8494	8489	8506	8514	8506	8489	8494	0- 5	203.1	203.1	0.72,0.72
10	8558	8514	8508	8549	8558	8549	8508	8514	5- 10	609.4	812.5	2.88,2.88
15	8582	8551	8562	8593	8582	8593	8562	8551	10- 15	1015	1827	6.47,6.47
20	8613	8615	8654	8663	8613	8663	8654	8615	15- 20	1418	3245	11.5,11.5
25	8720	8694	8748	8781	8720	8781	8748	8694	20- 25	1822	5067	17.9,17.9
30	8859	8799	8871	8935	8859	8935	8871	8799	25- 30	2227	7295	25.8,25.8
35	8976	8907	8971	9057	8976	9057	8971	8907	30- 35	2630	9925	35.1,35.1
40	8953	8884	8902	9003	8953	9003	8902	8884	35- 40	2996	12921	45.7,45.7
45	8494	8459	8430	8471	8494	8471	8430	8459	40- 45	3238	16159	57.2,57.2
50	7357	7484	7424	7362	7357	7362	7424	7484	45- 50	3220	19379	68.6,68.6
55	5824	5872	5811	5740	5824	5740	5811	5872	50- 55	2892	22271	78.8,78.8
60	4129	4124	4070	4037	4129	4037	4070	4124	55- 60	2277	24548	86.9,86.9
65	2673	2657	2603	2592	2673	2592	2603	2657	60- 65	1619	26166	92.6,92.6
70	1583	1576	1541	1523	1583	1523	1541	1576	65- 70	1045	27212	96.3,96.3
75	821.5	821.7	809.1	793.0	821.5	793.0	809.1	821.7	70- 75	599.9	27811	98.4,98.4
80	360.7	364.1	359.8	352.1	360.7	352.1	359.8	364.1	75- 80	304.7	28116	99.5,99.5
85	96.35	96.08	93.96	93.30	96.35	93.30	93.96	96.08	80- 85	114.6	28231	99.9,99.9
90	8.445	8.457	8.366	8.318	8.445	8.318	8.366	8.457	85- 90	18.84	28250	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		

Conical surface Flux(90deg): 16159 lm

%lum = 57.2%
%lamp = 57.2%

Conical surface Flux(120deg): 24548 lm

%lum = 86.9%
%lamp = 86.9%

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Operators:
Test Date:2019-01-05

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Remarks:

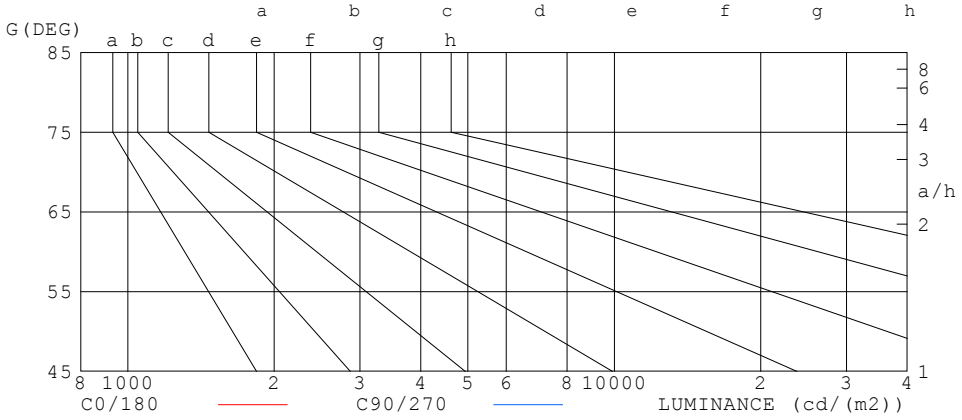
Checker: LI

Assessor:

LUMINANCE LIMITATION CURVES

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	52335	51034
80	98321	98099
75	150253	147996
70	219087	213328
65	299394	291549
60	390884	385321
55	480686	479567
50	541793	546722
45	568643	564340

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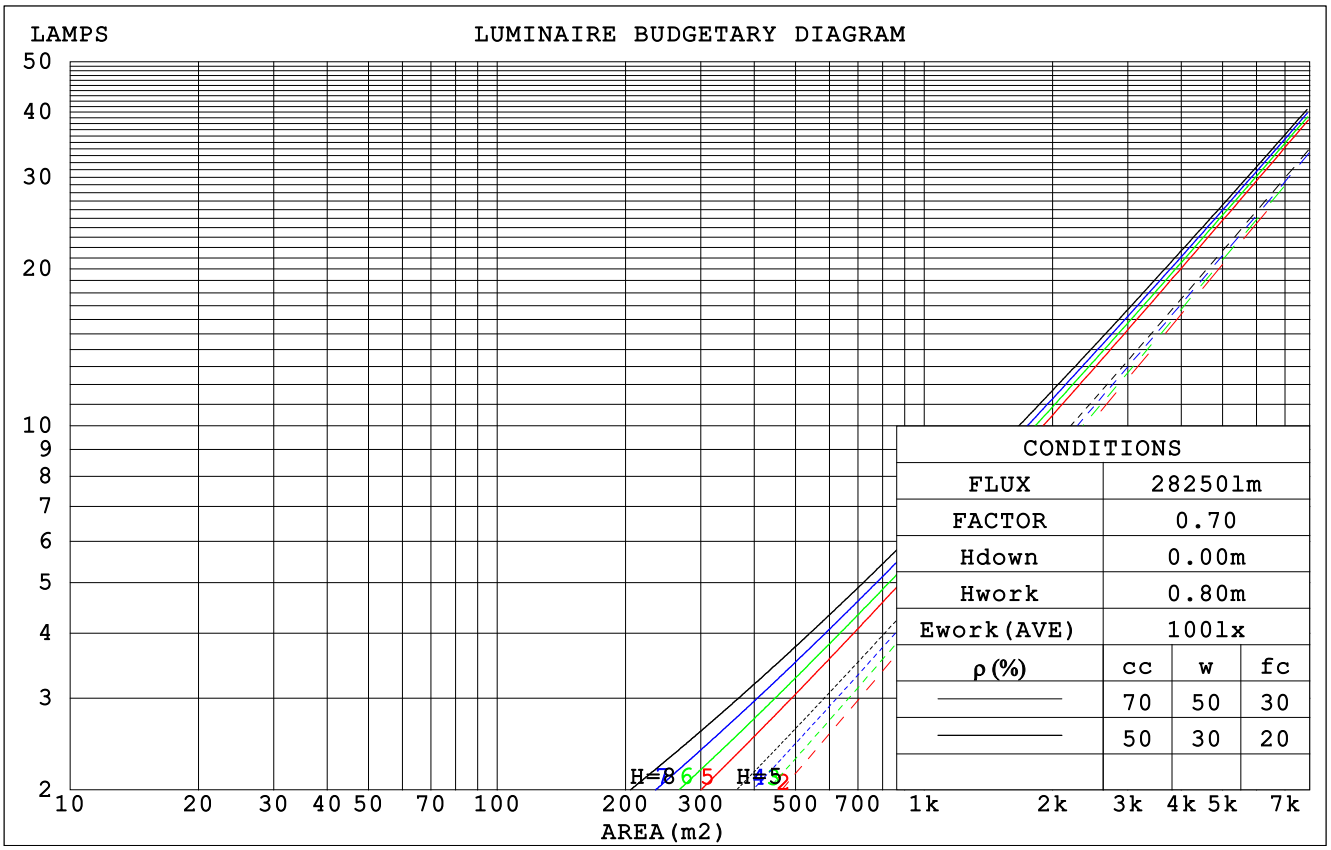
Remarks:

Assessor:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	1.00
1.0	1.06	1.02	.98	1.03	.00	.97	.99	.96	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.93	.87	.81	.91	.85	.80	.88	.83	.78	.84	.80	.77	.81	.78	.75	.73
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.75	.69	.65	.72	.68	.64	.62
4.0	.72	.64	.58	.71	.63	.57	.69	.62	.56	.66	.60	.56	.64	.59	.55	.53
5.0	.65	.56	.49	.63	.55	.49	.61	.54	.49	.59	.53	.48	.58	.52	.48	.45
6.0	.58	.49	.43	.57	.49	.43	.55	.48	.42	.54	.47	.42	.52	.46	.42	.39
7.0	.52	.44	.38	.51	.43	.37	.50	.43	.37	.48	.42	.37	.47	.41	.37	.35
8.0	.47	.39	.33	.47	.39	.33	.45	.38	.33	.44	.38	.33	.43	.37	.32	.31
9.0	.43	.35	.30	.43	.35	.30	.42	.34	.29	.41	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



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Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-01-05

Checker: LI

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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Assessor:

WEC AND CCEC

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.275	.156	.049	.268	.153	.049	.255	.146	.047	.243	.140	.045	.232	.134	.043	
2.0	.268	.147	.045	.262	.144	.044	.250	.139	.043	.240	.135	.042	.230	.130	.041	
3.0	.254	.135	.040	.249	.133	.040	.238	.129	.039	.229	.126	.038	.220	.122	.038	
4.0	.238	.124	.036	.234	.122	.036	.225	.119	.036	.216	.116	.035	.208	.113	.035	
5.0	.223	.114	.033	.219	.112	.033	.211	.110	.032	.203	.107	.032	.196	.105	.032	
6.0	.209	.105	.030	.205	.104	.030	.198	.101	.030	.191	.099	.029	.185	.097	.029	
7.0	.196	.097	.027	.192	.096	.027	.186	.094	.027	.180	.092	.027	.174	.091	.027	
8.0	.184	.090	.025	.181	.089	.025	.175	.087	.025	.170	.086	.025	.165	.084	.025	
9.0	.173	.084	.023	.170	.083	.023	.165	.082	.023	.160	.080	.023	.156	.079	.023	
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.022	.152	.075	.021	.147	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.178	.156	.137	.152	.134	.118	.104	.092	.082	.060	.053	.047	.019	.017	.015	
2.0	.169	.132	.101	.145	.114	.087	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.161	.114	.077	.138	.099	.066	.095	.068	.047	.055	.040	.027	.018	.013	.009	
4.0	.154	.101	.060	.132	.087	.052	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.147	.090	.048	.127	.078	.042	.087	.055	.030	.050	.032	.018	.016	.010	.006	
6.0	.141	.082	.040	.121	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.115	.065	.029	.080	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.025	.105	.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: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-01-05

Checker: LI

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Assessor:

UGR(Unified Glare Rating) Table

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	34.5	36.0	34.7	36.2	36.4	34.4	35.9	34.7	36.1	36.3
	3H	35.0	36.3	35.3	36.6	36.8	34.9	36.2	35.2	36.5	36.7
	4H	35.1	36.4	35.4	36.6	36.9	35.0	36.2	35.3	36.5	36.8
	6H	35.1	36.3	35.4	36.5	36.8	35.0	36.2	35.3	36.4	36.7
	8H	35.0	36.2	35.4	36.5	36.8	34.9	36.1	35.3	36.4	36.7
	12H	35.0	36.1	35.3	36.4	36.7	34.9	36.0	35.2	36.3	36.6
4H	2H	34.7	36.0	35.1	36.3	36.5	34.7	36.0	35.0	36.2	36.5
	3H	35.4	36.5	35.7	36.8	37.1	35.3	36.4	35.6	36.7	37.0
	4H	35.5	36.5	35.9	36.8	37.2	35.4	36.4	35.8	36.7	37.1
	6H	35.5	36.4	35.9	36.8	37.1	35.5	36.3	35.8	36.7	37.1
	8H	35.5	36.4	35.9	36.7	37.1	35.4	36.3	35.9	36.6	37.0
	12H	35.5	36.3	35.9	36.6	37.0	35.4	36.2	35.8	36.5	37.0
8H	4H	35.5	36.3	35.9	36.7	37.1	35.4	36.2	35.8	36.6	37.0
	6H	35.6	36.3	36.0	36.7	37.1	35.5	36.2	35.9	36.6	37.0
	8H	35.6	36.2	36.0	36.6	37.1	35.5	36.1	36.0	36.5	37.0
	12H	35.6	36.1	36.1	36.5	37.0	35.5	36.0	36.0	36.4	36.9
12H	4H	35.5	36.2	35.9	36.6	37.0	35.4	36.1	35.8	36.5	36.9
	6H	35.6	36.2	36.0	36.6	37.0	35.5	36.1	35.9	36.5	36.9
	8H	35.6	36.1	36.1	36.5	37.0	35.5	36.0	36.0	36.4	36.9
Variations with the observer position at spacings:											
S = 1.0H		+ 0.4 / - 0.5					+ 0.4 / - 0.5				
1.5H		+ 0.4 / - 1.0					+ 0.4 / - 1.0				
2.0H		+ 1.1 / - 1.2					+ 1.1 / - 1.3				

CIE Pub.117 Corrected 28250 lm Total Lamp Luminous Flux.(8log(F/F0) = 11.6)

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-01-05

Checker: LI

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Assessor:

UTILIZATION FACTORS TABLE

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) x RCR = 5									
k = 0.60	57	46	38	56	45	38	55	45	38	32
0.80	68	57	49	67	56	49	65	56	49	42
1.00	78	67	60	77	66	60	74	68	59	52
1.25	85	75	69	84	75	68	81	73	67	60
1.50	90	81	75	89	80	74	86	78	73	66
2.00	97	89	83	95	88	83	92	86	81	74
2.50	101	94	88	99	92	87	95	90	85	78
3.00	104	98	93	102	96	92	98	93	90	81
4.00	108	102	98	105	101	97	101	97	94	86
5.00	110	105	102	107	103	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

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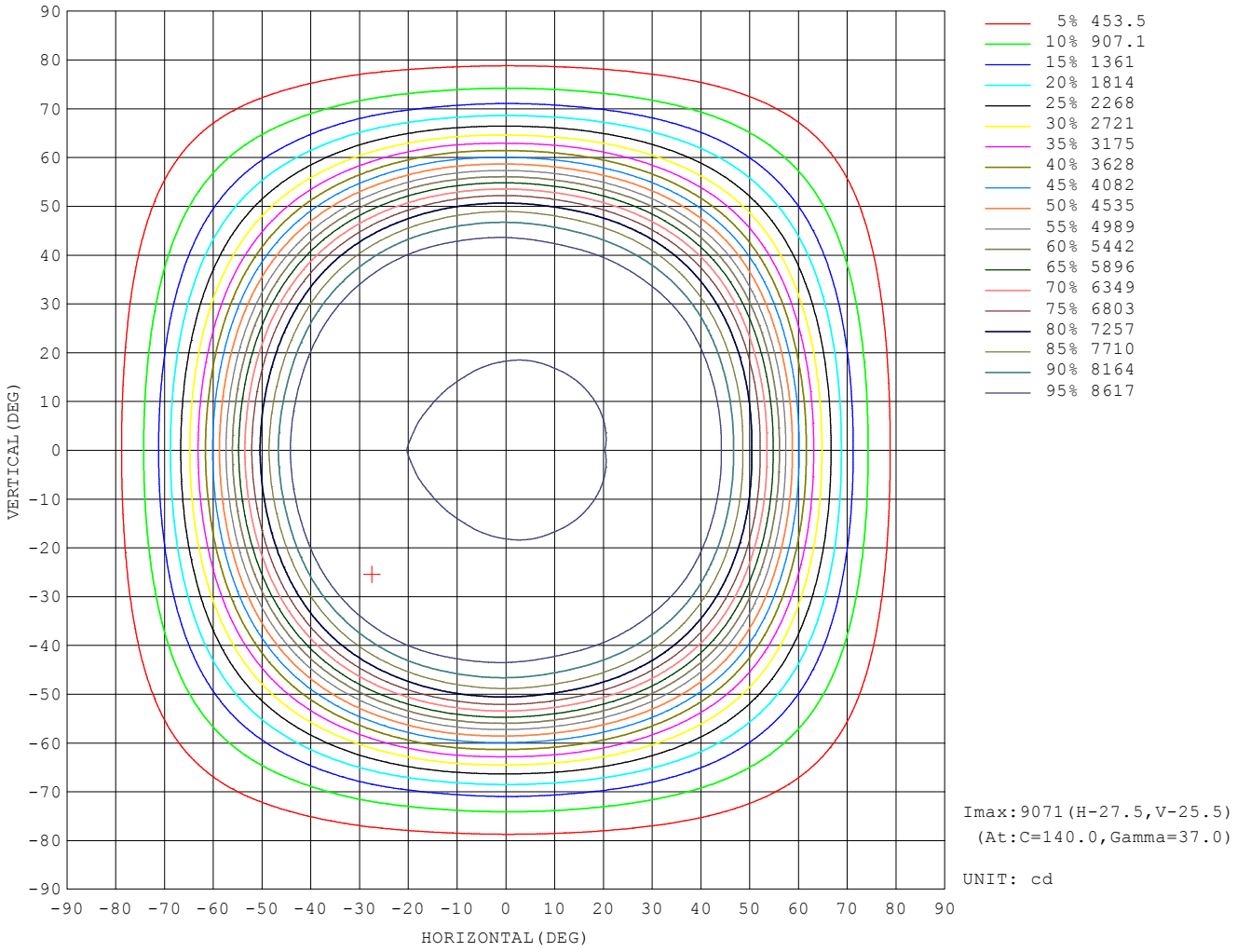
ISOCANDELA DIAGRAM



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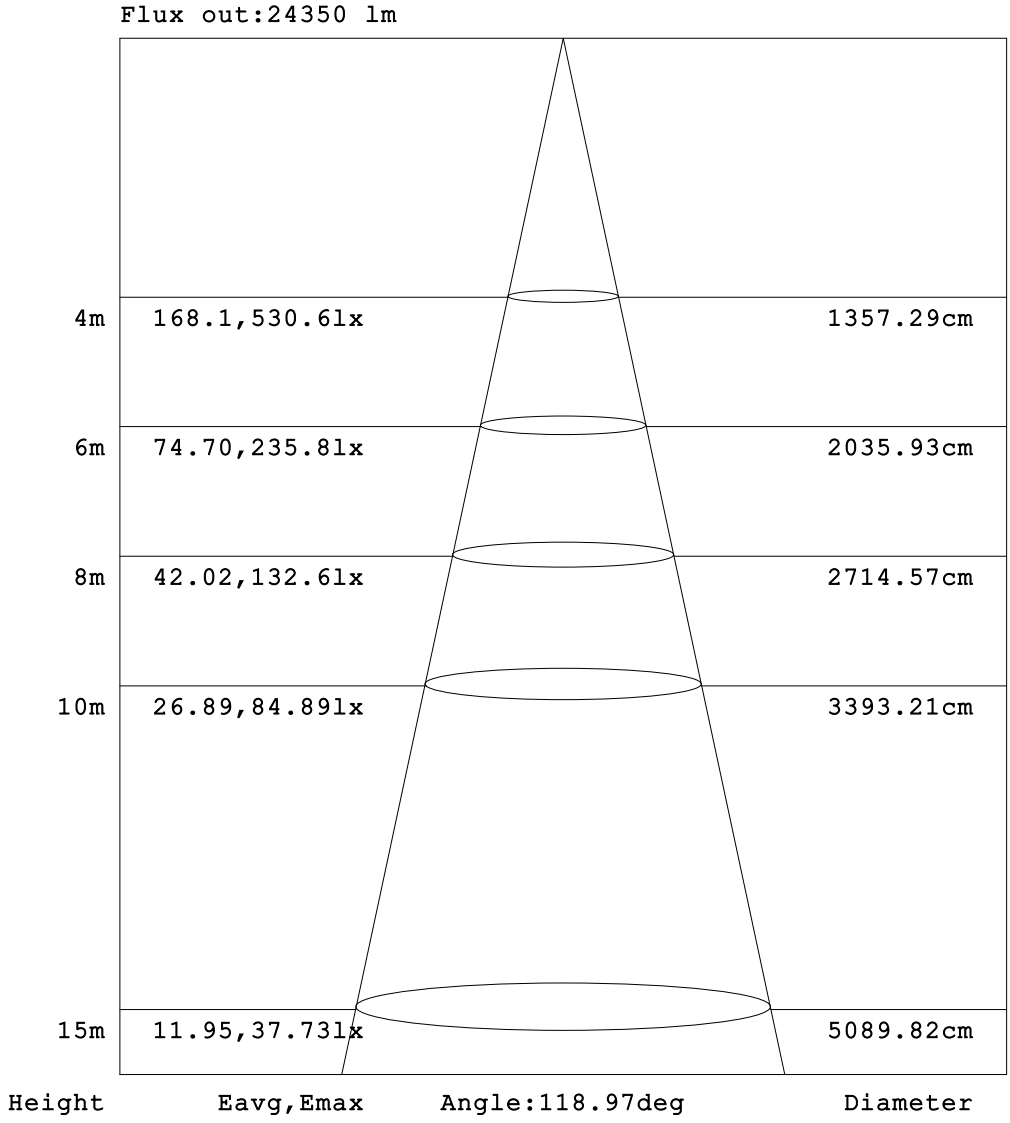
AAI Figure



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

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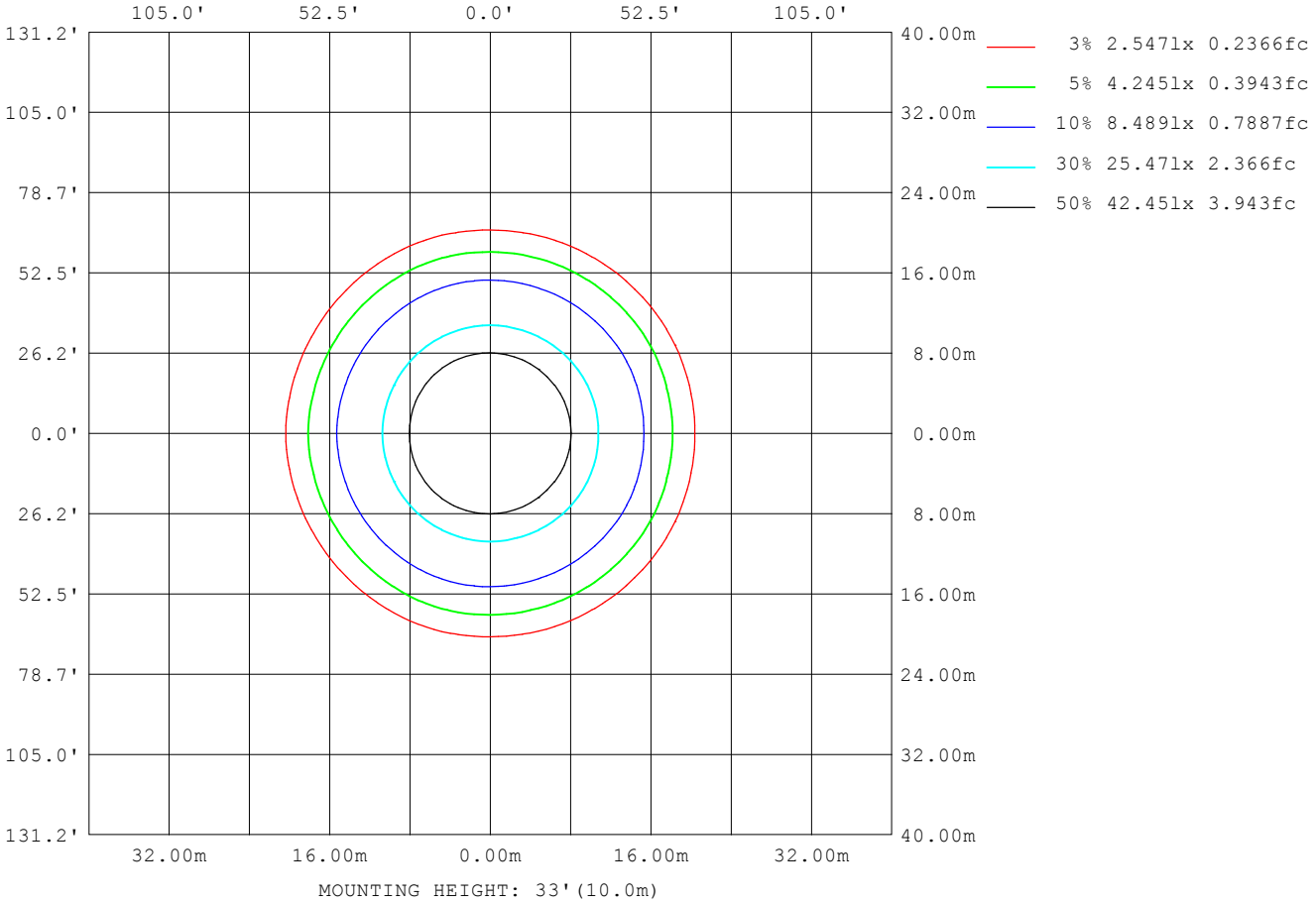
ISOLUX DIAGRAM



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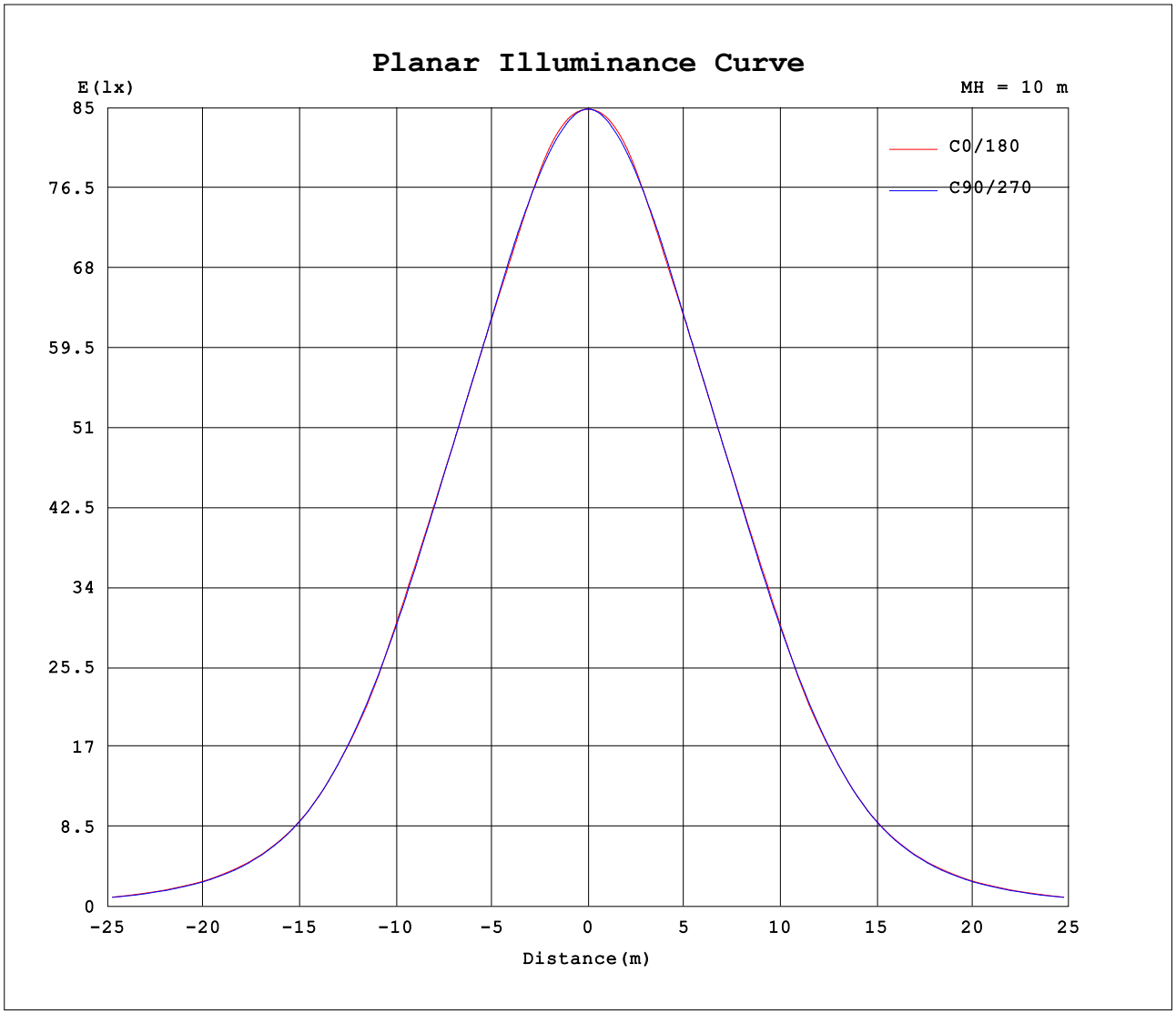
Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1 UNIT: cd

C(DEG) / γ (DEG)	0	2.5	5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35	37.5	40	42.5	45
0	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489
5	8514	8513	8512	8511	8509	8508	8507	8506	8505	8504	8503	8503	8502	8500	8499	8498	8497	8495	8494
10	8558	8556	8554	8552	8551	8549	8547	8544	8542	8540	8537	8535	8532	8529	8526	8522	8519	8516	8514
15	8582	8580	8579	8577	8575	8574	8572	8570	8569	8567	8566	8564	8563	8560	8558	8556	8554	8553	8551
20	8613	8610	8609	8607	8606	8605	8605	8605	8605	8605	8606	8607	8608	8609	8610	8611	8612	8614	8615
25	8720	8714	8708	8703	8699	8696	8693	8691	8690	8689	8688	8688	8688	8689	8689	8690	8691	8692	8694
30	8859	8853	8847	8841	8836	8832	8828	8824	8821	8818	8815	8813	8811	8808	8805	8803	8801	8800	8799
35	8976	8970	8964	8958	8953	8949	8944	8940	8937	8934	8931	8928	8925	8921	8917	8914	8911	8908	8907
40	8953	8949	8946	8942	8938	8935	8931	8929	8927	8925	8922	8920	8917	8912	8906	8900	8895	8889	8884
45	8494	8501	8506	8509	8511	8512	8513	8516	8518	8520	8521	8520	8518	8510	8501	8491	8480	8470	8459
50	7357	7375	7392	7406	7419	7429	7439	7447	7455	7461	7467	7471	7475	7479	7482	7484	7485	7485	7484
55	5824	5839	5850	5859	5866	5872	5877	5888	5898	5907	5914	5920	5923	5919	5912	5904	5894	5884	5872
60	4129	4134	4137	4139	4139	4139	4139	4146	4153	4160	4166	4171	4174	4169	4162	4154	4144	4134	4124
65	2673	2677	2680	2681	2681	2680	2679	2681	2683	2684	2684	2684	2684	2681	2677	2672	2667	2662	2657
70	1583	1588	1592	1595	1597	1598	1597	1596	1593	1591	1588	1584	1581	1580	1579	1578	1578	1577	1576
75	821	825	827	828	829	829	828	827	826	824	822	820	819	819	819	820	821	821	822
80	361	363	365	366	367	367	367	366	365	364	363	362	361	361	362	362	363	364	364
85	96.4	96.8	97.0	97.1	97.1	97.0	96.8	96.6	96.4	96.1	95.9	95.7	95.5	95.5	95.6	95.7	95.9	96.0	96.1
90	8.45	8.48	8.51	8.51	8.51	8.50	8.49	8.49	8.49	8.48	8.48	8.48	8.48	8.47	8.47	8.47	8.47	8.46	8.46

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-01-05

Checker: LI

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2 UNIT: cd

γ (DEG) \ C(DEG)	47.5	50	52.5	55	57.5	60	62.5	65	67.5	70	72.5	75	77.5	80	82.5	85	87.5	90	92.5
0	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489
5	8494	8494	8493	8493	8493	8492	8492	8491	8490	8489	8489	8488	8488	8488	8488	8488	8488	8489	8489
10	8512	8511	8510	8509	8509	8508	8506	8505	8504	8502	8501	8501	8501	8502	8503	8505	8506	8508	8509
15	8551	8551	8551	8551	8551	8552	8551	8550	8550	8549	8549	8549	8551	8553	8555	8557	8559	8562	8563
20	8617	8619	8622	8624	8626	8629	8630	8632	8633	8635	8636	8638	8640	8643	8646	8648	8651	8654	8656
25	8696	8699	8701	8704	8707	8710	8712	8714	8717	8719	8721	8724	8728	8732	8736	8740	8744	8748	8751
30	8801	8803	8805	8808	8812	8815	8817	8820	8822	8825	8828	8832	8838	8844	8851	8858	8865	8871	8877
35	8908	8909	8912	8914	8917	8920	8921	8922	8923	8925	8927	8930	8935	8942	8949	8956	8963	8971	8976
40	8882	8881	8880	8879	8878	8877	8873	8869	8866	8863	8861	8861	8866	8872	8879	8886	8894	8902	8907
45	8452	8446	8439	8434	8429	8424	8418	8413	8408	8405	8402	8401	8404	8408	8413	8418	8424	8430	8432
50	7479	7473	7466	7459	7450	7442	7434	7425	7418	7411	7405	7401	7403	7406	7410	7414	7419	7424	7426
55	5862	5851	5841	5830	5821	5811	5802	5794	5788	5782	5778	5776	5780	5784	5790	5797	5804	5811	5814
60	4117	4110	4103	4097	4091	4086	4081	4078	4075	4073	4071	4069	4068	4066	4066	4066	4067	4070	4078
65	2653	2650	2646	2643	2640	2636	2633	2629	2625	2622	2618	2615	2612	2609	2606	2604	2603	2603	2607
70	1574	1572	1570	1568	1565	1563	1559	1556	1552	1549	1546	1543	1542	1542	1541	1541	1541	1541	1540
75	821	820	818	817	815	814	813	812	810	810	809	808	808	808	809	809	809	809	808
80	364	364	363	363	362	362	361	360	359	359	358	358	358	358	359	359	360	360	359
85	96.1	96.0	95.9	95.8	95.7	95.6	95.5	95.4	95.3	95.2	95.1	95.0	94.8	94.6	94.4	94.3	94.1	94.0	93.9
90	8.45	8.44	8.44	8.43	8.42	8.41	8.41	8.40	8.40	8.40	8.39	8.39	8.38	8.38	8.38	8.37	8.37	8.37	8.36

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-01-05

Checker: LI

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--3 UNIT: cd

γ (DEG) \ C(DEG)	95	97.5	100	102.5	105	107.5	110	112.5	115	117.5	120	122.5	125	127.5	130	132.5	135	137.5	140
0	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489
5	8490	8490	8491	8492	8492	8493	8494	8495	8496	8497	8498	8500	8501	8502	8504	8505	8506	8508	8509
10	8511	8512	8514	8515	8517	8520	8523	8525	8528	8531	8534	8537	8539	8542	8544	8547	8549	8551	8554
15	8565	8566	8568	8569	8571	8573	8576	8579	8581	8584	8586	8587	8589	8590	8591	8592	8593	8594	8594
20	8659	8661	8663	8664	8666	8667	8668	8668	8669	8669	8669	8668	8668	8667	8666	8665	8663	8661	8659
25	8753	8756	8758	8761	8763	8766	8769	8772	8774	8777	8779	8780	8781	8781	8781	8781	8781	8780	8780
30	8881	8886	8891	8895	8900	8905	8911	8917	8922	8927	8931	8933	8935	8936	8936	8936	8935	8935	8934
35	8981	8986	8991	8996	9002	9009	9016	9024	9031	9037	9043	9047	9051	9053	9055	9057	9057	9058	9058
40	8911	8915	8920	8925	8930	8940	8949	8959	8969	8979	8987	8992	8996	8998	9001	9002	9003	9004	9005
45	8435	8437	8440	8443	8446	8452	8458	8464	8470	8475	8479	8479	8478	8477	8475	8473	8471	8471	8472
50	7427	7428	7428	7427	7425	7421	7416	7410	7403	7397	7390	7386	7381	7377	7372	7367	7362	7354	7346
55	5818	5820	5821	5822	5821	5818	5813	5808	5802	5795	5788	5779	5771	5763	5755	5747	5740	5734	5730
60	4087	4096	4105	4112	4117	4114	4108	4101	4092	4083	4074	4067	4060	4054	4048	4042	4037	4032	4028
65	2611	2616	2621	2626	2631	2633	2634	2634	2633	2631	2629	2623	2617	2610	2604	2597	2592	2590	2590
70	1538	1536	1535	1534	1533	1536	1538	1541	1544	1546	1547	1544	1540	1535	1531	1527	1523	1523	1523
75	806	805	804	802	801	802	804	805	806	807	807	805	803	800	797	795	793	793	794
80	358	357	356	355	355	355	356	357	358	359	359	358	357	356	354	353	352	352	353
85	93.8	93.8	93.8	93.8	93.8	94.0	94.1	94.3	94.4	94.5	94.6	94.4	94.2	94.0	93.7	93.5	93.3	93.3	93.3
90	8.36	8.36	8.36	8.36	8.36	8.36	8.36	8.37	8.37	8.37	8.36	8.36	8.35	8.34	8.33	8.32	8.32	8.32	8.32

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-01-05

Checker: LI

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--4 UNIT: cd

γ (DEG) \ C(DEG)	142.5	145	147.5	150	152.5	155	157.5	160	162.5	165	167.5	170	172.5	175	177.5	180	182.5	185	187.5
0	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489
5	8510	8511	8512	8513	8514	8514	8514	8514	8514	8514	8515	8515	8515	8515	8515	8514	8515	8515	8515
10	8556	8558	8560	8561	8562	8563	8564	8564	8564	8564	8564	8563	8562	8561	8559	8558	8559	8561	8562
15	8595	8595	8595	8595	8595	8594	8593	8592	8591	8590	8589	8588	8587	8586	8584	8582	8584	8586	8587
20	8656	8654	8651	8648	8646	8643	8641	8638	8635	8632	8629	8626	8623	8620	8616	8613	8616	8620	8623
25	8779	8777	8776	8774	8772	8770	8767	8764	8761	8757	8752	8747	8741	8734	8727	8720	8727	8734	8741
30	8933	8931	8929	8926	8922	8918	8914	8909	8904	8898	8893	8887	8881	8874	8867	8859	8867	8874	8881
35	9057	9055	9053	9051	9047	9042	9037	9032	9026	9019	9013	9007	9000	8992	8984	8976	8984	8992	9000
40	9006	9005	9005	9003	8999	8995	8990	8985	8980	8975	8972	8968	8965	8961	8957	8953	8957	8961	8965
45	8472	8473	8473	8473	8469	8465	8460	8457	8454	8453	8458	8464	8471	8479	8487	8494	8487	8479	8471
50	7338	7331	7324	7317	7313	7309	7307	7305	7306	7308	7315	7323	7331	7340	7349	7357	7349	7340	7331
55	5726	5723	5722	5721	5721	5723	5726	5730	5736	5743	5756	5770	5784	5798	5812	5824	5812	5798	5784
60	4024	4022	4021	4021	4024	4029	4035	4042	4051	4060	4072	4085	4097	4109	4119	4129	4119	4109	4097
65	2590	2592	2594	2597	2600	2604	2608	2613	2619	2625	2634	2644	2653	2661	2668	2673	2668	2661	2653
70	1525	1527	1530	1534	1538	1543	1548	1553	1559	1564	1569	1574	1578	1581	1583	1583	1583	1581	1578
75	796	798	800	802	803	805	807	808	810	812	814	816	818	820	821	821	821	820	818
80	354	355	356	357	357	358	358	359	359	360	360	361	361	361	361	361	361	361	361
85	93.4	93.5	93.6	93.7	93.8	93.8	93.9	94.1	94.2	94.4	94.9	95.4	95.8	96.2	96.3	96.4	96.3	96.2	95.8
90	8.33	8.33	8.34	8.34	8.34	8.34	8.35	8.35	8.35	8.36	8.40	8.44	8.47	8.49	8.48	8.45	8.48	8.49	8.47

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-01-05

Checker: LI

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--5 UNIT: cd

γ (DEG) \ C(DEG)	190	192.5	195	197.5	200	202.5	205	207.5	210	212.5	215	217.5	220	222.5	225	227.5	230	232.5	235
0	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489
5	8515	8515	8514	8514	8514	8514	8514	8514	8513	8512	8511	8510	8509	8508	8506	8505	8504	8502	8501
10	8563	8564	8564	8564	8564	8564	8563	8562	8561	8560	8558	8556	8554	8551	8549	8547	8544	8542	8539
15	8588	8589	8590	8591	8592	8593	8594	8595	8595	8595	8595	8595	8594	8594	8593	8592	8591	8590	8589
20	8626	8629	8632	8635	8638	8641	8643	8646	8648	8651	8654	8656	8659	8661	8663	8665	8666	8667	8668
25	8747	8752	8757	8761	8764	8767	8770	8772	8774	8776	8777	8779	8780	8780	8781	8781	8781	8781	8781
30	8887	8893	8898	8904	8909	8914	8918	8922	8926	8929	8931	8933	8934	8935	8935	8936	8936	8936	8935
35	9007	9013	9019	9026	9032	9037	9042	9047	9051	9053	9055	9057	9058	9058	9057	9057	9055	9053	9051
40	8968	8972	8975	8980	8985	8990	8995	8999	9003	9005	9005	9006	9005	9004	9003	9002	9001	8998	8996
45	8464	8458	8453	8454	8457	8460	8465	8469	8473	8473	8473	8472	8472	8471	8471	8473	8475	8477	8478
50	7323	7315	7308	7306	7305	7307	7309	7313	7317	7324	7331	7338	7346	7354	7362	7367	7372	7377	7381
55	5770	5756	5743	5736	5730	5726	5723	5721	5721	5722	5723	5726	5730	5734	5740	5747	5755	5763	5771
60	4085	4072	4060	4051	4042	4035	4029	4024	4021	4021	4022	4024	4028	4032	4037	4042	4048	4054	4060
65	2644	2634	2625	2619	2613	2608	2604	2600	2597	2594	2592	2590	2590	2590	2592	2597	2604	2610	2617
70	1574	1569	1564	1559	1553	1548	1543	1538	1534	1530	1527	1525	1523	1523	1523	1527	1531	1535	1540
75	816	814	812	810	808	807	805	803	802	800	798	796	794	793	793	795	797	800	803
80	361	360	360	359	359	358	358	357	357	356	355	354	353	352	352	353	354	356	357
85	95.4	94.9	94.4	94.2	94.1	93.9	93.8	93.8	93.7	93.6	93.5	93.4	93.3	93.3	93.3	93.5	93.7	94.0	94.2
90	8.44	8.40	8.36	8.35	8.35	8.35	8.34	8.34	8.34	8.34	8.33	8.33	8.32	8.32	8.32	8.32	8.33	8.34	8.35

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-01-05

Checker: LI

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--6 UNIT: cd

γ (DEG) \ C(DEG)	237.5	240	242.5	245	247.5	250	252.5	255	257.5	260	262.5	265	267.5	270	272.5	275	277.5	280	282.5
0	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489
5	8500	8498	8497	8496	8495	8494	8493	8492	8492	8491	8490	8490	8489	8489	8488	8488	8488	8488	8488
10	8537	8534	8531	8528	8525	8523	8520	8517	8515	8514	8512	8511	8509	8508	8506	8505	8503	8502	8501
15	8587	8586	8584	8581	8579	8576	8573	8571	8569	8568	8566	8565	8563	8562	8559	8557	8555	8553	8551
20	8668	8669	8669	8669	8668	8668	8667	8666	8664	8663	8661	8659	8656	8654	8651	8648	8646	8643	8640
25	8780	8779	8777	8774	8772	8769	8766	8763	8761	8758	8756	8753	8751	8748	8744	8740	8736	8732	8728
30	8933	8931	8927	8922	8917	8911	8905	8900	8895	8891	8886	8881	8877	8871	8865	8858	8851	8844	8838
35	9047	9043	9037	9031	9024	9016	9009	9002	8996	8991	8986	8981	8976	8971	8963	8956	8949	8942	8935
40	8992	8987	8979	8969	8959	8949	8940	8930	8925	8920	8915	8911	8907	8902	8894	8886	8879	8872	8866
45	8479	8479	8475	8470	8464	8458	8452	8446	8443	8440	8437	8435	8432	8430	8424	8418	8413	8408	8404
50	7386	7390	7397	7403	7410	7416	7421	7425	7427	7428	7428	7427	7426	7424	7419	7414	7410	7406	7403
55	5779	5788	5795	5802	5808	5813	5818	5821	5822	5821	5820	5818	5814	5811	5804	5797	5790	5784	5780
60	4067	4074	4083	4092	4101	4108	4114	4117	4112	4105	4096	4087	4078	4070	4067	4066	4066	4066	4068
65	2623	2629	2631	2633	2634	2634	2633	2631	2626	2621	2616	2611	2607	2603	2603	2604	2606	2609	2612
70	1544	1547	1546	1544	1541	1538	1536	1533	1534	1535	1536	1538	1540	1541	1541	1541	1541	1542	1542
75	805	807	807	806	805	804	802	801	802	804	805	806	808	809	809	809	809	808	808
80	358	359	359	358	357	356	355	355	355	356	357	358	359	360	360	359	359	358	358
85	94.4	94.6	94.5	94.4	94.3	94.1	94.0	93.8	93.8	93.8	93.8	93.8	93.9	94.0	94.1	94.3	94.4	94.6	94.8
90	8.36	8.36	8.37	8.37	8.37	8.36	8.36	8.36	8.36	8.36	8.36	8.36	8.36	8.37	8.37	8.37	8.38	8.38	8.38

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-01-05

Checker: LI

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--7 UNIT: cd

γ (DEG) \ C(DEG)	285	287.5	290	292.5	295	297.5	300	302.5	305	307.5	310	312.5	315	317.5	320	322.5	325	327.5	330
0	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489
5	8488	8489	8489	8490	8491	8492	8492	8493	8493	8493	8494	8494	8494	8495	8497	8498	8499	8500	8502
10	8501	8501	8502	8504	8505	8506	8508	8509	8509	8510	8511	8512	8514	8516	8519	8522	8526	8529	8532
15	8549	8549	8549	8550	8550	8551	8552	8551	8551	8551	8551	8551	8551	8553	8554	8556	8558	8560	8563
20	8638	8636	8635	8633	8632	8630	8629	8626	8624	8622	8619	8617	8615	8614	8612	8611	8610	8609	8608
25	8724	8721	8719	8717	8714	8712	8710	8707	8704	8701	8699	8696	8694	8692	8691	8690	8689	8689	8688
30	8832	8828	8825	8822	8820	8817	8815	8812	8808	8805	8803	8801	8799	8800	8801	8803	8805	8808	8811
35	8930	8927	8925	8923	8922	8921	8920	8917	8914	8912	8909	8908	8907	8908	8911	8914	8917	8921	8925
40	8861	8861	8863	8866	8869	8873	8877	8878	8879	8880	8881	8882	8884	8889	8895	8900	8906	8912	8917
45	8401	8402	8405	8408	8413	8418	8424	8429	8434	8439	8446	8452	8459	8470	8480	8491	8501	8510	8518
50	7401	7405	7411	7418	7425	7434	7442	7450	7459	7466	7473	7479	7484	7485	7485	7484	7482	7479	7475
55	5776	5778	5782	5788	5794	5802	5811	5821	5830	5841	5851	5862	5872	5884	5894	5904	5912	5919	5923
60	4069	4071	4073	4075	4078	4081	4086	4091	4097	4103	4110	4117	4124	4134	4144	4154	4162	4169	4174
65	2615	2618	2622	2625	2629	2633	2636	2640	2643	2646	2650	2653	2657	2662	2667	2672	2677	2681	2684
70	1543	1546	1549	1552	1556	1559	1563	1565	1568	1570	1572	1574	1576	1577	1578	1578	1579	1580	1581
75	808	809	810	810	812	813	814	815	817	818	820	821	822	821	821	820	819	819	819
80	358	358	359	359	360	361	362	362	363	363	364	364	364	364	363	362	362	361	361
85	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.1	96.0	95.9	95.7	95.6	95.5	95.5
90	8.39	8.39	8.40	8.40	8.40	8.41	8.41	8.42	8.43	8.44	8.44	8.45	8.46	8.46	8.47	8.47	8.47	8.47	8.48

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-01-05

Checker: LI

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--8 UNIT: cd

C(DEG) / γ (DEG)	332.5	335	337.5	340	342.5	345	347.5	350	352.5	355	357.5
0	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489	8489
5	8503	8503	8504	8505	8506	8507	8508	8509	8511	8512	8513
10	8535	8537	8540	8542	8544	8547	8549	8551	8552	8554	8556
15	8564	8566	8567	8569	8570	8572	8574	8575	8577	8579	8580
20	8607	8606	8605	8605	8605	8605	8605	8606	8607	8609	8610
25	8688	8688	8689	8690	8691	8693	8696	8699	8703	8708	8714
30	8813	8815	8818	8821	8824	8828	8832	8836	8841	8847	8853
35	8928	8931	8934	8937	8940	8944	8949	8953	8958	8964	8970
40	8920	8922	8925	8927	8929	8931	8935	8938	8942	8946	8949
45	8520	8521	8520	8518	8516	8513	8512	8511	8509	8506	8501
50	7471	7467	7461	7455	7447	7439	7429	7419	7406	7392	7375
55	5920	5914	5907	5898	5888	5877	5872	5866	5859	5850	5839
60	4171	4166	4160	4153	4146	4139	4139	4139	4139	4137	4134
65	2684	2684	2684	2683	2681	2679	2680	2681	2681	2680	2677
70	1584	1588	1591	1593	1596	1597	1598	1597	1595	1592	1588
75	820	822	824	826	827	828	829	829	828	827	825
80	362	363	364	365	366	367	367	367	366	365	363
85	95.7	95.9	96.1	96.4	96.6	96.8	97.0	97.1	97.1	97.0	96.8
90	8.48	8.48	8.48	8.49	8.49	8.49	8.50	8.51	8.51	8.51	8.48

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-01-05

Checker: LI

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.470m [K=1.0000]
Remarks:

Assessor: