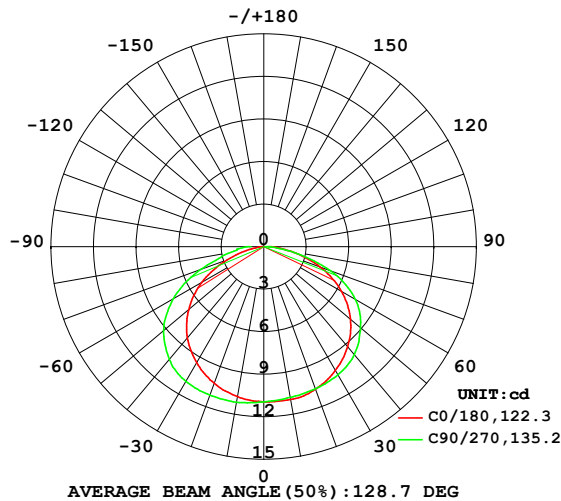


LUMINAIRE PHOTOMETRIC TEST REPORT

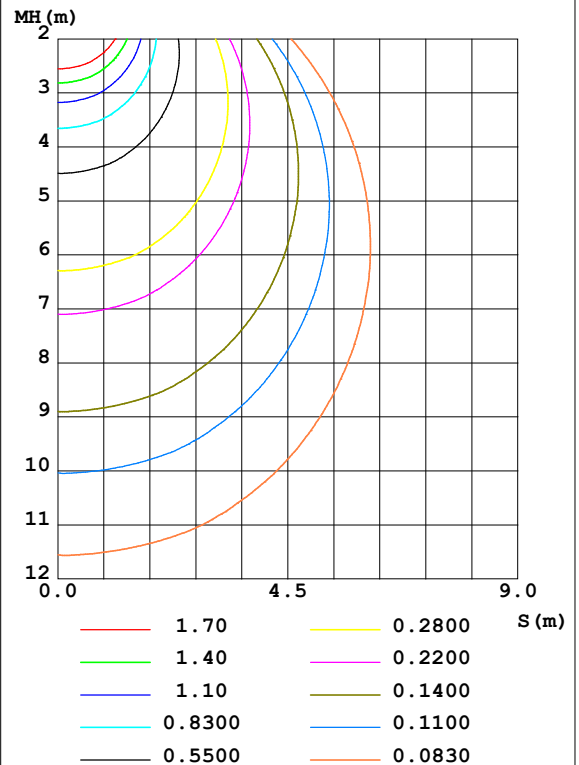
NAME: 600-019_020_MAINTAINED	TYPE: 1.5W Max	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.: 0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	600-019_020_MAINTAINED	11.21	S/MH(C0/180)	1.29	
NOMINAL POWER(W)	1.5W Max	LOR(%)	100.0	S/MH(C90/270)	1.50
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	38.361	□ UP,DN(C0-180)	0.0,50.2
NOMINAL FLUX(lm)	38.361	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.0,49.8
LAMPS INSIDE	1	□ up(%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	240	□ down(%)	100.0	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-08-12

□ Range: 0 - 90DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

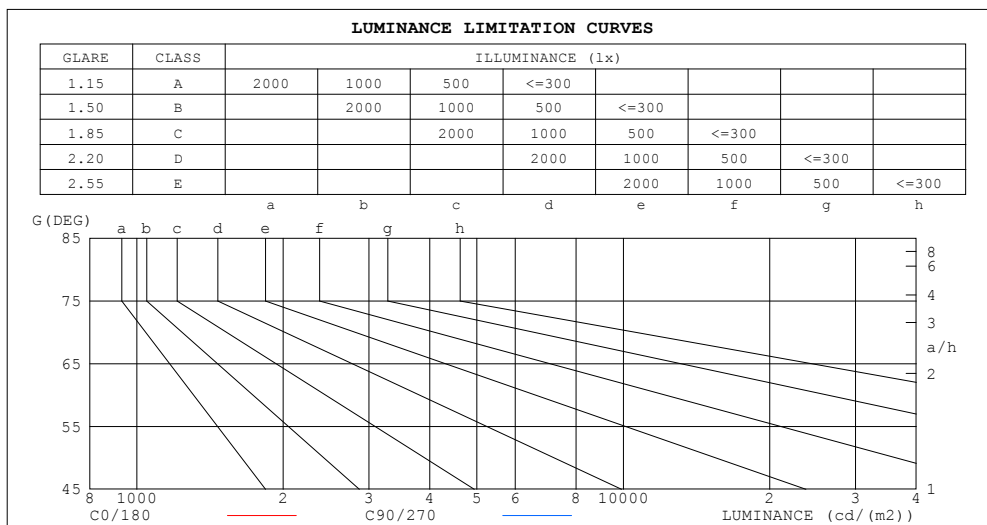
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	10.94	10.86	10.79	10.71	10.74	10.91	11.15	11.01	0- 10	1.042	1.042	2.72,2.72
20	10.70	10.64	10.66	10.34	10.25	10.71	11.14	10.97	10- 20	3.061	4.104	10.7,10.7
30	10.10	10.24	10.45	9.809	9.465	10.21	10.97	10.64	20- 30	4.853	8.957	23.3,23.3
40	9.201	9.634	9.941	9.044	8.392	9.333	10.37	9.921	30- 40	6.217	15.17	39.6,39.6
50	7.985	8.681	8.915	7.912	6.914	7.971	9.226	8.787	40- 50	6.915	22.09	57.6,57.6
60	6.343	7.148	7.455	6.182	5.050	5.978	7.379	6.976	50- 60	6.712	28.80	75.1,75.1
70	4.237	5.129	5.010	4.037	2.746	3.457	4.732	4.568	60- 70	5.431	34.23	89.2,89.2
80	1.945	2.414	1.888	1.340	0.7307	1.067	2.366	1.982	70- 80	3.140	37.37	97.4,97.4
90	0.3557	0.3467	0.1333	0.0932	0.0988	0.1267	0.9200	0.3929	80- 90	0.9893	38.36	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-08-12

□ Range: 0 - 90DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: 600-019_020_MAINTAINED	TYPE: 1.5W Max	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.: 0.045	Shielding Angle:



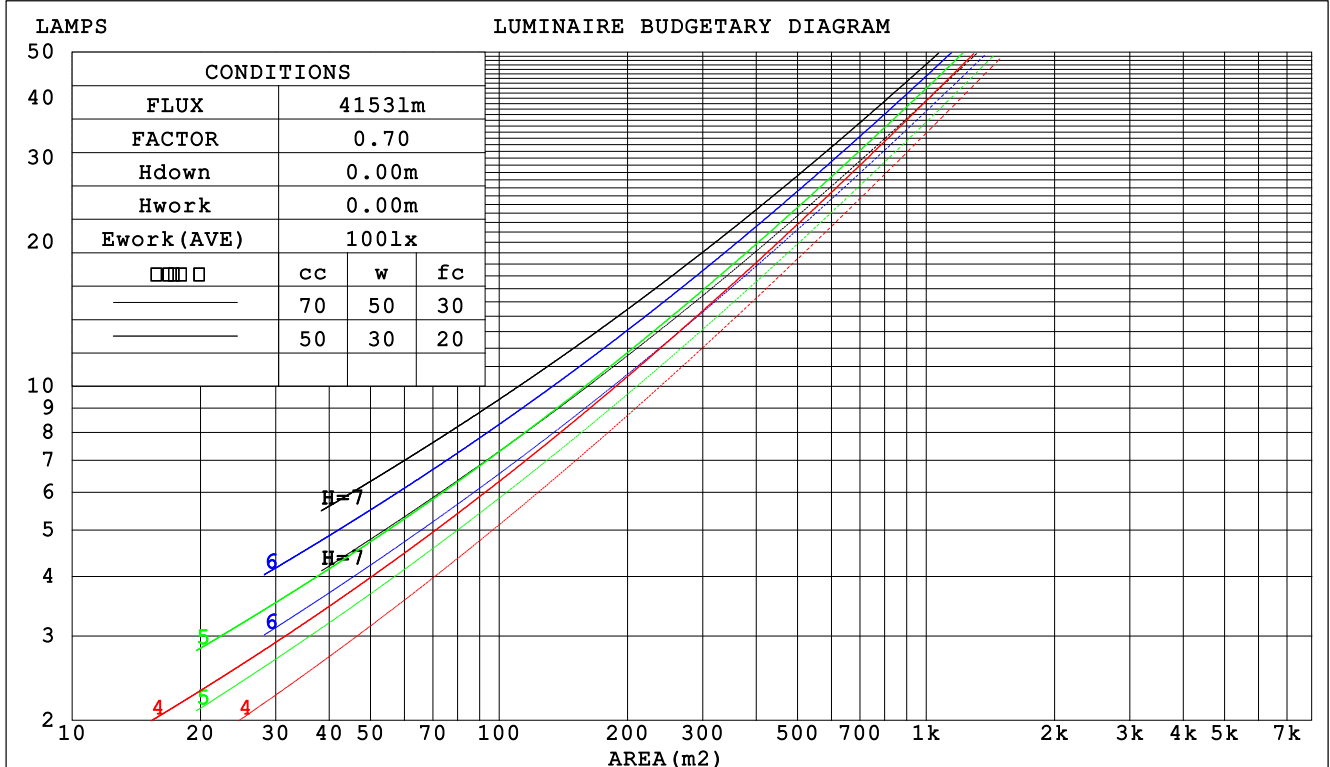
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-08-12

☐ Range: 0 - 90DEG
☐ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 600-019_020_MAINTAINED	TYPE: 1.5W Max	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.: 0.045	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-08-12

□ Range: 0 - 90DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: 600-019_020_MAINTAINED	TYPE: 1.5W Max	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.: 0.045	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0	
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
□fc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.331	.188	.060	.324	.185	.059	.311	.178	.057	.298	.172	.055	.287	.166	.054		
2.0	.309	.169	.052	.302	.167	.051	.291	.162	.050	.280	.157	.049	.270	.152	.048		
3.0	.284	.151	.045	.278	.149	.045	.268	.145	.044	.258	.141	.043	.249	.138	.043		
4.0	.261	.136	.040	.256	.134	.040	.246	.131	.039	.238	.128	.039	.230	.125	.038		
5.0	.240	.122	.035	.236	.121	.035	.227	.118	.035	.220	.116	.034	.212	.113	.034		
6.0	.222	.111	.032	.218	.110	.032	.211	.108	.031	.204	.106	.031	.197	.104	.031		
7.0	.206	.102	.029	.202	.101	.029	.196	.099	.028	.190	.097	.028	.184	.095	.028		
8.0	.192	.094	.026	.189	.093	.026	.183	.091	.026	.177	.090	.026	.172	.088	.026		
9.0	.179	.087	.024	.176	.086	.024	.171	.085	.024	.166	.083	.024	.161	.082	.024		
10.0	.168	.081	.022	.166	.080	.022	.161	.079	.022	.156	.078	.022	.152	.076	.022		

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	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	.182	.156	.133	.156	.134	.114	.106	.092	.079	.061	.053	.046	.020	.017	.015	
2.0	.175	.132	.096	.149	.113	.083	.102	.079	.058	.059	.046	.034	.019	.015	.011	
3.0	.167	.114	.072	.143	.099	.063	.098	.069	.044	.057	.040	.026	.018	.013	.008	
4.0	.160	.101	.057	.137	.087	.049	.094	.061	.035	.055	.036	.020	.018	.012	.007	
5.0	.152	.091	.046	.131	.079	.040	.090	.055	.028	.052	.032	.017	.017	.011	.005	
6.0	.145	.083	.038	.125	.072	.033	.086	.050	.023	.050	.029	.014	.016	.010	.005	
7.0	.138	.076	.032	.119	.066	.028	.082	.046	.020	.048	.027	.012	.015	.009	.004	
8.0	.131	.070	.028	.113	.061	.024	.078	.043	.017	.046	.025	.010	.015	.008	.003	
9.0	.125	.065	.025	.108	.057	.021	.075	.040	.015	.044	.023	.009	.014	.008	.003	
10.0	.119	.061	.022	.103	.053	.019	.071	.037	.014	.042	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-08-12

☐ Range: 0 - 90DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: 600-019_020_MAINTAINED					TYPE: 1.5W Max					WEIGHT:				
SPEC.: 5000K					DIM.:					SERIAL No.:				
MFR.: Tronix Lighting					SUR.: 0.045					Shielding 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					20.2	21.8	20.5	22.0	22.2	20.9	22.5	21.1	22.7	22.9
3H					22.0	23.5	22.3	23.7	24.0	22.8	24.3	23.1	24.5	24.8
4H					22.7	24.1	23.1	24.4	24.7	23.5	24.9	23.8	25.2	25.4
6H					23.3	24.6	23.6	24.9	25.2	23.9	25.3	24.3	25.5	25.8
8H					23.5	24.8	23.9	25.1	25.4	24.0	25.3	24.4	25.6	25.9
12H					23.7	24.9	24.0	25.2	25.5	24.1	25.3	24.4	25.6	25.9
4H 2H					21.1	22.5	21.4	22.7	23.0	21.6	23.0	21.9	23.2	23.5
3H					23.1	24.3	23.4	24.6	24.9	23.7	25.0	24.1	25.2	25.6
4H					24.0	25.1	24.3	25.4	25.7	24.6	25.7	24.9	26.0	26.3
6H					24.7	25.7	25.1	26.0	26.4	25.1	26.1	25.5	26.5	26.8
8H					24.9	25.9	25.4	26.2	26.6	25.3	26.2	25.7	26.6	27.0
12H					25.2	26.0	25.6	26.4	26.8	25.4	26.2	25.8	26.6	27.0
8H 4H					24.4	25.3	24.8	25.7	26.1	24.9	25.8	25.3	26.2	26.6
6H					25.3	26.1	25.8	26.5	26.9	25.6	26.4	26.1	26.8	27.3
8H					25.7	26.4	26.2	26.8	27.3	25.9	26.6	26.4	27.0	27.5
12H					26.1	26.7	26.5	27.1	27.6	26.0	26.6	26.5	27.1	27.6
12H 4H					24.4	25.3	24.9	25.7	26.1	24.9	25.8	25.4	26.2	26.6
6H					25.4	26.1	25.9	26.5	27.0	25.7	26.4	26.2	26.9	27.3
8H					25.9	26.5	26.4	26.9	27.4	26.0	26.6	26.5	27.1	27.6
Variations with the observer position at spacings(CIE Pub.117):														
S = 1.0H					+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H					+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H					+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 38.36 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -11.3)
Area: 0.045 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-08-12

☐ Range: 0 - 90DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: 600-019_020_MAINTAINED	TYPE: 1.5W Max	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.: 0.045	Shielding Angle:

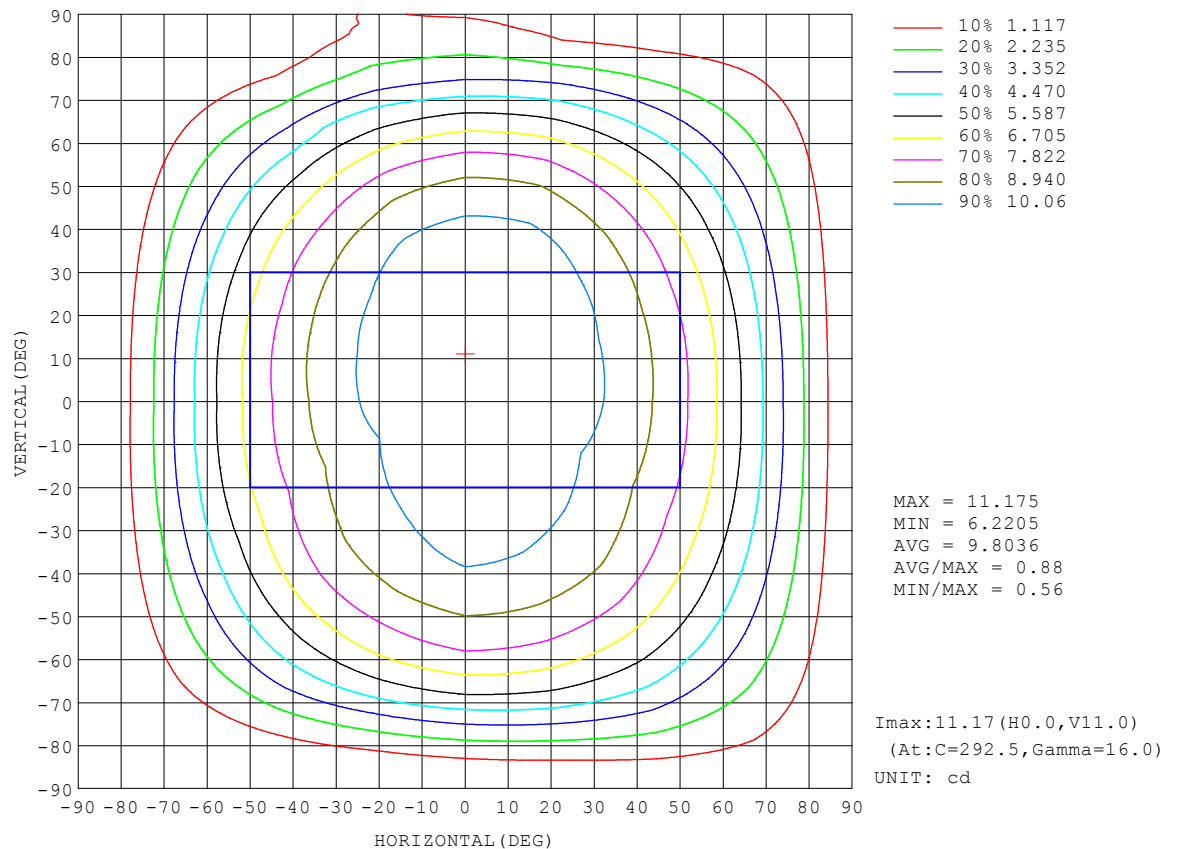
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	55	42	35	54	42	35	53	42	35	28
0.80	65	52	45	64	52	45	62	51	44	37
1.00	73	62	54	72	61	54	70	63	53	45
1.25	81	69	62	79	69	61	76	67	61	53
1.50	86	75	68	84	74	67	81	73	66	58
2.00	93	84	77	91	83	76	88	80	75	67
2.50	97	89	82	95	88	82	91	85	80	71
3.00	101	94	88	99	92	87	95	89	84	76
4.00	105	99	94	103	97	93	98	94	90	81
5.00	108	103	98	105	101	97	101	97	94	84
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-08-12

☐ Range: 0 - 90DEG
☐ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: 600-019_020_MAINTAINED	TYPE: 1.5W Max	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.: 0.045	Shielding Angle:

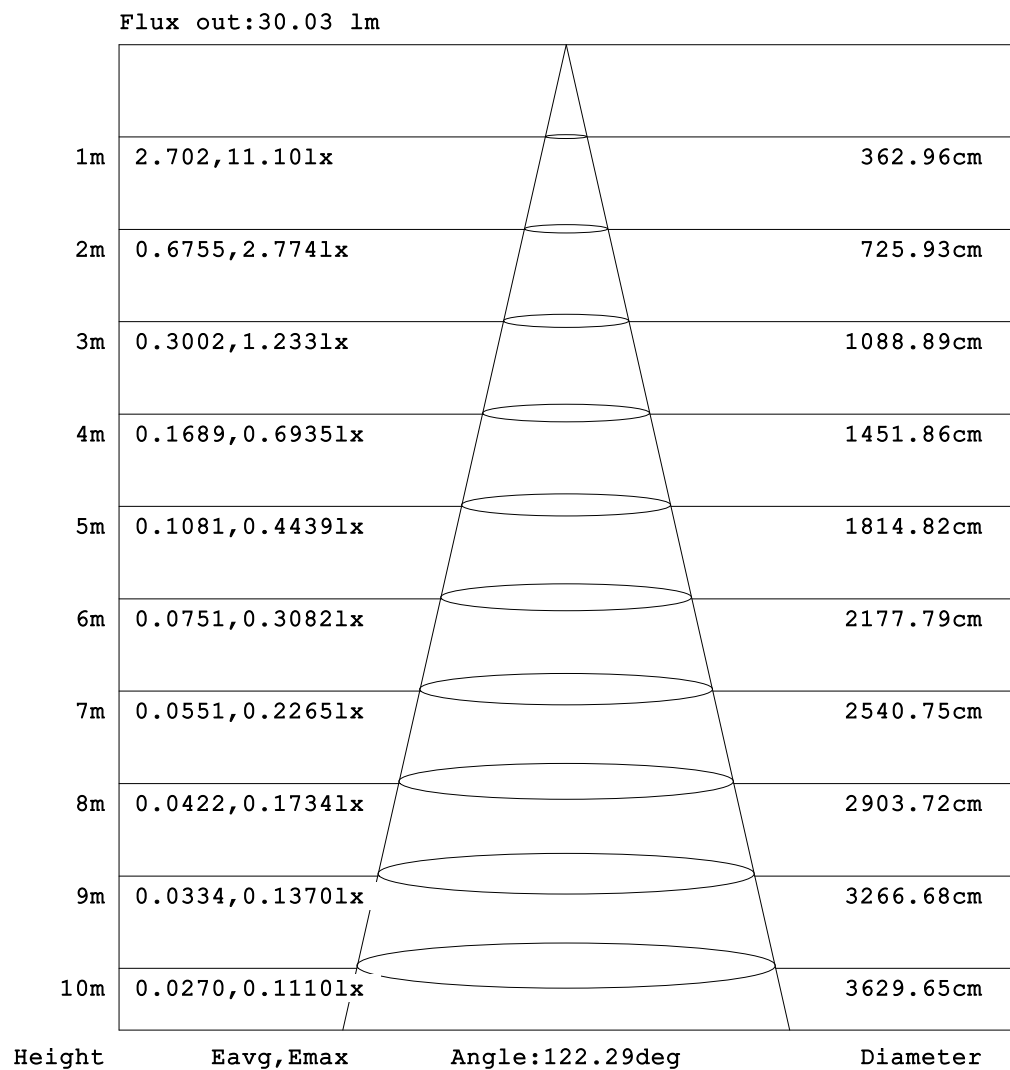


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-08-12

☐ Range: 0 - 90DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

AAI Figure

NAME: 600-019_020_MAINTAINED	TYPE: 1.5W Max	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.: 0.045	Shielding Angle:



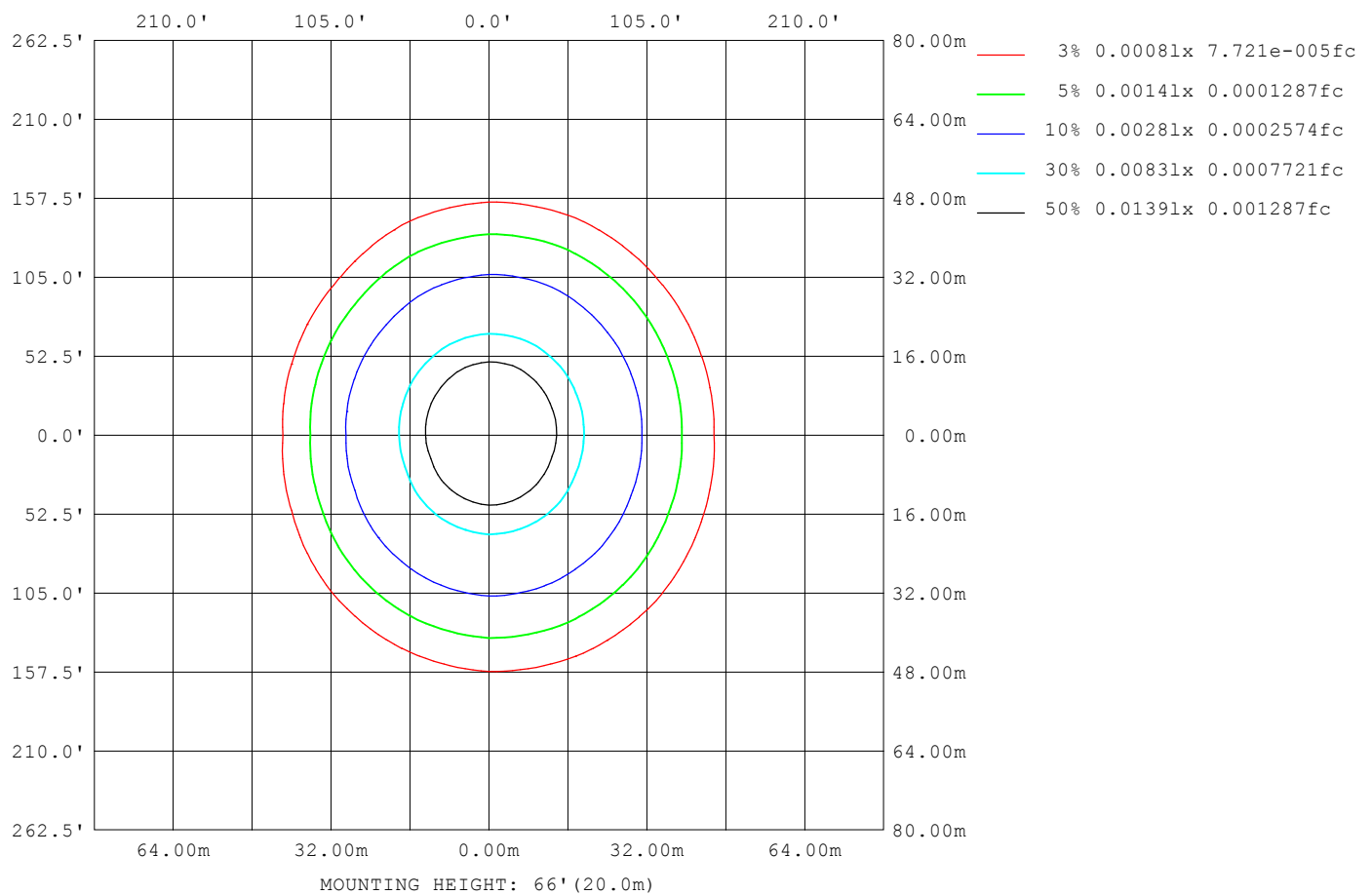
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-08-12

☐ Range: 0 - 90DEG
☐ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: 600-019_020_MAINTAINED	TYPE: 1.5W Max	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.: 0.045	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-08-12

☐ Range: 0 - 90DEG
☐ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

LED Avg.L Report

NAME: 600-019_020_MAINTAINED	TYPE: 1.5W Max	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: Tronix Lighting	SUR.: 0.045	Shielding Angle:

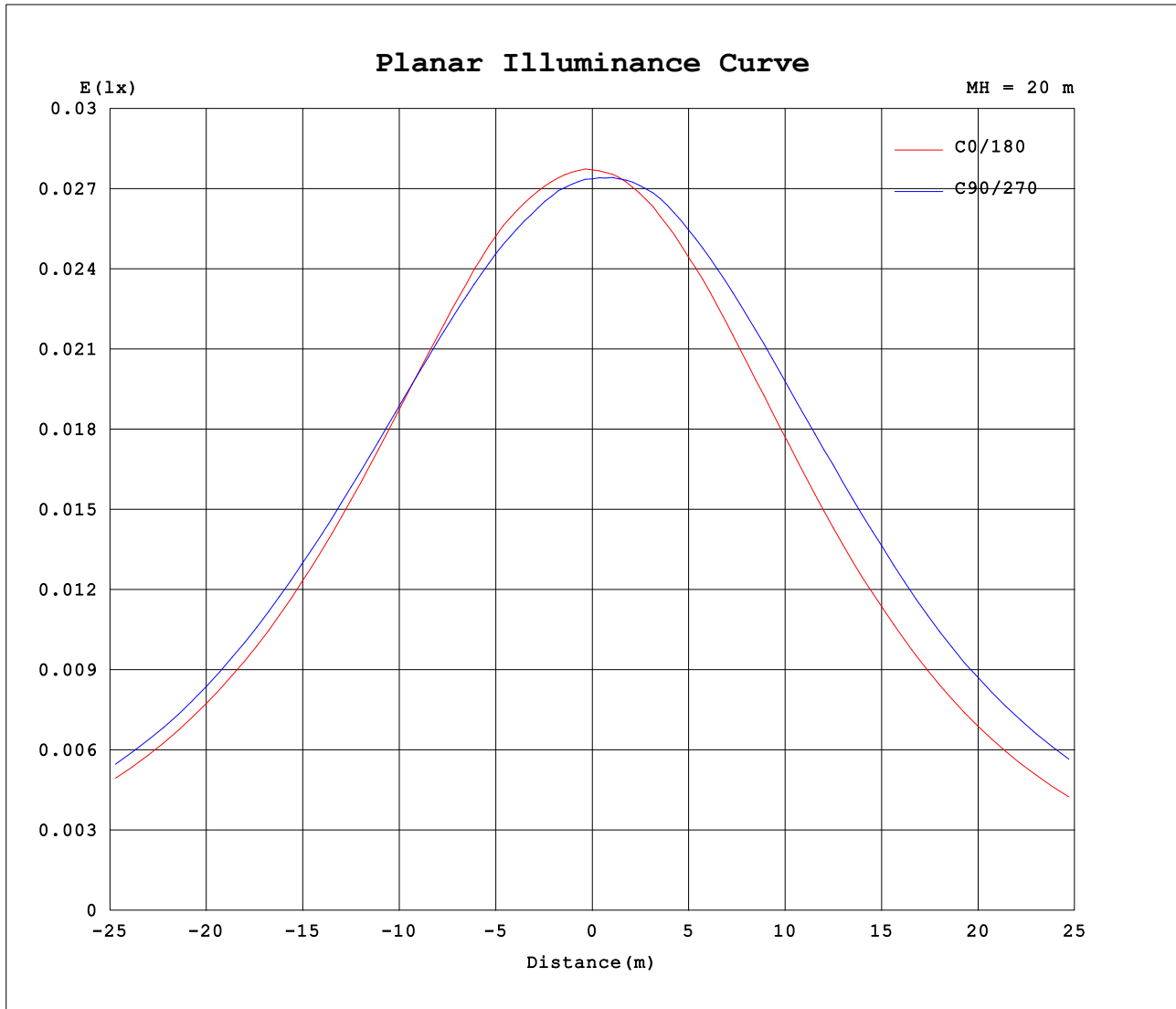
AvgL	cd/m2
L_0~180 (65) av	244
L_0~180 (75) av	202
L_0~180 (85) av	150
L_90~270 (65) av	330
L_90~270 (75) av	286
L_90~270 (85) av	326
L_45 (65) av	289
L_45 (75) av	257
L_45 (85) av	187

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-08-12

☐ Range: 0 - 90DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-08-12

☐ Range: 0 - 90DEG
☐ Interval: 1.0DEG
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☐ Range: 0 - 90DEG
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 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
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