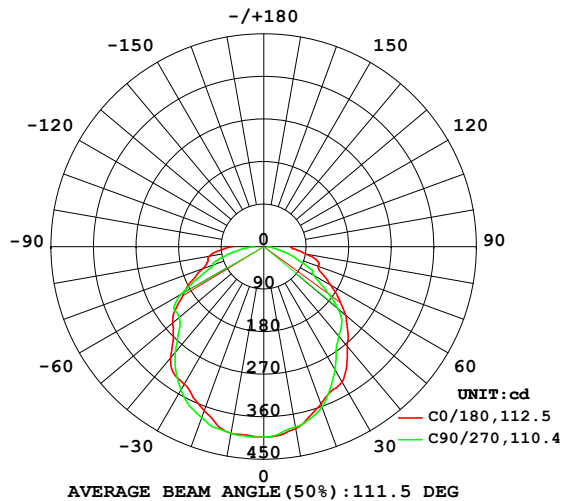


LUMINAIRE PHOTOMETRIC TEST REPORT

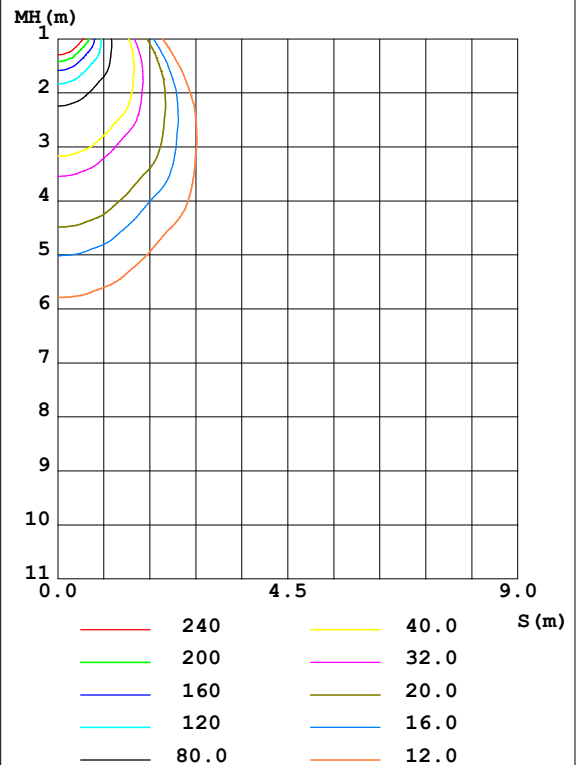
NAME: 600-038	TYPE: 8W Max	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 1
MFR.: Tronix Lighting	SUR.: 0.0706	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 157.32 lm/W			
MODEL	600-038	I _{max} (cd)	403.8	S/MH (C0/180)	1.27
NOMINAL POWER (W)	8	LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)	240	TOTAL FLUX (lm)	1176.7	□ UP, DN (C0-180)	0.0, 46.1
NOMINAL FLUX (lm)	1176.73	CIE CLASS	DIRECT	□ UP, DN (C180-360)	0.0, 53.9
LAMPS INSIDE	1	□ up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	22V	□ down (%)	100.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-03-01

□ Range: 0 - 90DEG
□ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity: 65.0%
Test Distance: 10.237m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

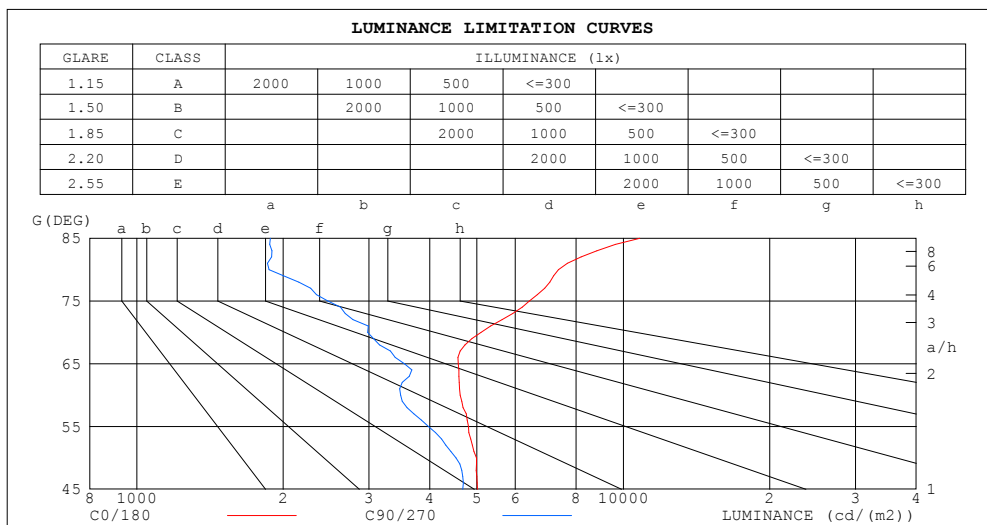
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	390.7	387.7	387.8	393.4	400.8	400.4	401.0	398.3	0- 10	38.02	38.02	3.23,3.23
20	354.2	352.1	360.6	363.1	369.0	386.0	384.8	365.8	10- 20	108.1	146.1	12.4,12.4
30	330.8	317.6	301.1	321.0	336.1	345.1	350.5	328.5	20- 30	160.5	306.6	26.1,26.1
40	274.8	262.8	247.1	290.4	306.8	316.5	290.9	303.5	30- 40	194.0	500.5	42.5,42.5
50	226.9	196.9	205.5	210.6	251.9	259.9	233.5	234.0	40- 50	198.0	698.6	59.4,59.4
60	163.4	138.8	123.1	158.1	196.1	193.6	201.6	168.7	50- 60	177.1	875.6	74.4,74.4
70	123.4	96.11	71.99	116.4	138.6	136.5	112.4	128.4	60- 70	139.1	1015	86.2,86.2
80	90.37	62.03	22.93	65.50	117.0	95.93	65.41	76.51	70- 80	101.0	1116	94.8,94.8
90	55.50	27.22	8.954	35.84	66.77	60.15	19.69	47.63	80- 90	60.92	1177	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: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-03-01

□ Range: 0 - 90DEG
□ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: 600-038	TYPE: 8W Max	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 1
MFR.: Tronix Lighting	SUR.: 0.0706	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	10804	1881
80	7358	1871
75	6406	2472
70	5101	2983
65	4579	3548
60	4622	3488
55	4808	3977
50	4991	4531
45	5014	4677

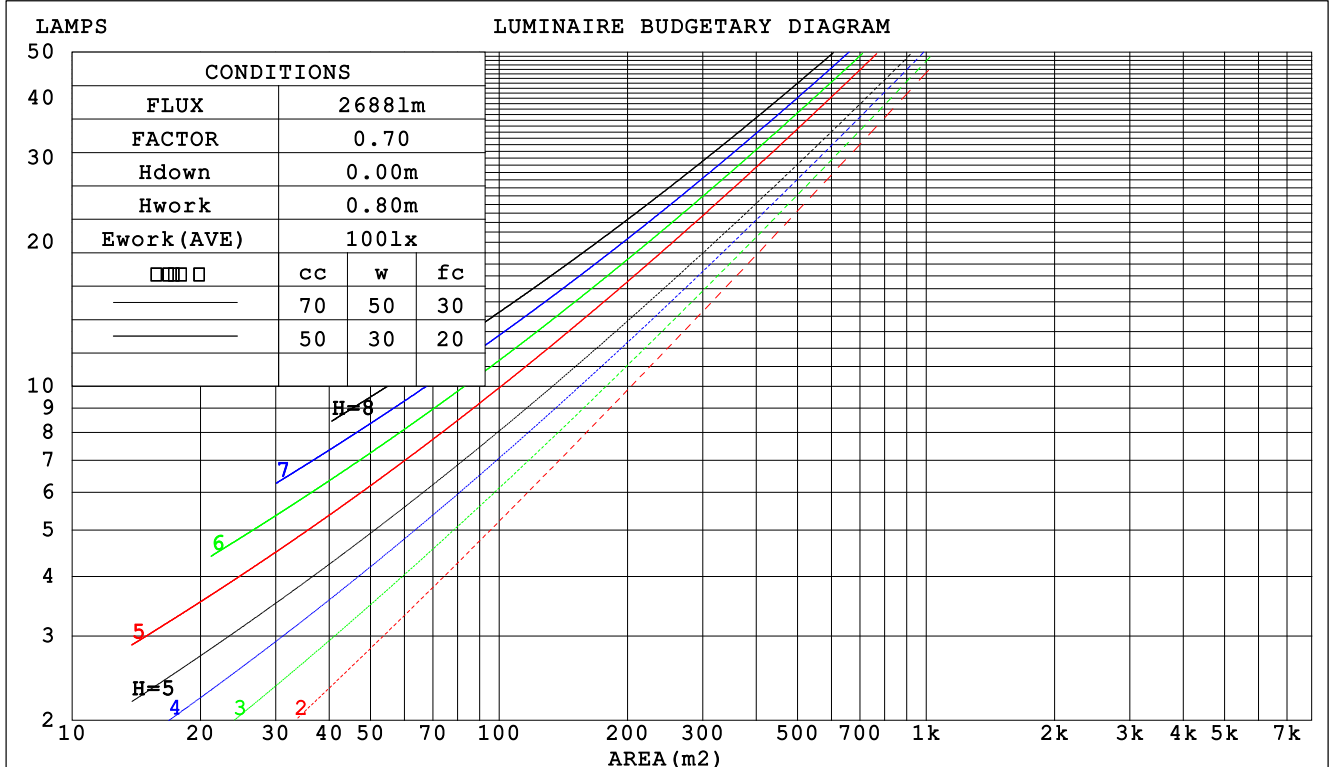
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-03-01

☐ Range: 0 - 90DEG
☐ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity: 65.0%
Test Distance: 10.237m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 600-038	TYPE: 8W Max	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 1
MFR.: Tronix Lighting	SUR.: 0.0706	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: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-03-01

□ Range: 0 - 90DEG
 □ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:10.237m [K=1.0000]
 Remarks:

WEC AND CCEC

NAME: 600-038	TYPE: 8W Max	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 1
MFR.: Tronix Lighting	SUR.: 0.0706	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	.350	.199	.063	.343	.195	.062	.329	.189	.060	.317	.183	.059	.305	.177	.057		
2.0	.314	.172	.053	.307	.169	.052	.295	.164	.051	.284	.160	.050	.274	.155	.049		
3.0	.284	.151	.045	.278	.149	.045	.268	.145	.044	.258	.141	.043	.249	.138	.043		
4.0	.258	.134	.039	.254	.133	.039	.244	.130	.039	.236	.127	.038	.228	.124	.038		
5.0	.237	.121	.035	.233	.119	.035	.224	.117	.034	.217	.114	.034	.209	.112	.034		
6.0	.218	.110	.031	.215	.108	.031	.207	.106	.031	.200	.104	.031	.194	.102	.030		
7.0	.203	.100	.028	.199	.099	.028	.193	.097	.028	.186	.096	.028	.181	.094	.028		
8.0	.189	.092	.026	.186	.091	.026	.180	.090	.026	.174	.088	.025	.169	.087	.025		
9.0	.176	.085	.024	.174	.085	.024	.168	.083	.024	.163	.082	.023	.159	.081	.023		
10.0	.165	.079	.022	.163	.079	.022	.158	.078	.022	.154	.076	.022	.150	.075	.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	.183	.156	.131	.157	.134	.113	.107	.092	.078	.062	.053	.045	.020	.017	.015	
2.0	.175	.132	.095	.150	.113	.082	.103	.078	.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	.159	.101	.057	.137	.087	.049	.094	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.151	.091	.046	.130	.079	.040	.090	.055	.028	.052	.032	.017	.017	.011	.006	
6.0	.144	.082	.038	.124	.071	.033	.085	.050	.024	.050	.029	.014	.016	.010	.005	
7.0	.137	.076	.033	.118	.066	.028	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.028	.112	.061	.025	.078	.042	.018	.045	.025	.010	.015	.008	.003	
9.0	.124	.065	.025	.107	.056	.022	.074	.040	.015	.043	.023	.009	.014	.008	.003	
10.0	.118	.061	.022	.102	.053	.019	.071	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-03-01

☐ Range: 0 - 90DEG
☐ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity: 65.0%
Test Distance: 10.237m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME.: 600-038					TYPE.: 8W Max			WEIGHT.:			
SPEC.: 5000K					DIM.:			SERIAL No.: 1			
MFR.: Tronix Lighting					SUR.: 0.0706			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	2H	17.1	18.6	17.3	18.8	19.0	16.3	17.8	16.5	18.0	18.2
	3H	19.0	20.4	19.3	20.7	20.9	17.6	19.0	17.9	19.3	19.5
	4H	20.2	21.6	20.5	21.8	22.1	18.0	19.4	18.3	19.6	19.9
	6H	21.4	22.7	21.8	23.0	23.3	18.3	19.6	18.6	19.8	20.1
	8H	22.0	23.3	22.4	23.6	23.9	18.3	19.6	18.7	19.9	20.2
	12H	22.6	23.8	23.0	24.1	24.4	18.4	19.6	18.7	19.9	20.2
4H	2H	17.6	19.0	17.9	19.2	19.5	17.0	18.4	17.3	18.6	18.9
	3H	19.7	20.9	20.1	21.2	21.5	18.5	19.7	18.9	20.0	20.3
	4H	21.1	22.2	21.5	22.5	22.9	19.1	20.2	19.4	20.5	20.9
	6H	22.5	23.5	22.9	23.9	24.2	19.5	20.5	19.9	20.9	21.2
	8H	23.2	24.1	23.6	24.5	24.9	19.7	20.6	20.1	21.0	21.4
	12H	23.9	24.8	24.4	25.2	25.6	19.8	20.6	20.2	21.0	21.4
8H	4H	21.3	22.3	21.7	22.6	23.0	19.6	20.5	20.0	20.9	21.3
	6H	23.0	23.8	23.4	24.2	24.6	20.3	21.1	20.7	21.5	21.9
	8H	23.9	24.6	24.3	25.0	25.5	20.6	21.3	21.1	21.8	22.2
	12H	24.8	25.4	25.3	25.9	26.3	20.9	21.5	21.4	21.9	22.4
12H	4H	21.3	22.2	21.8	22.6	23.0	19.7	20.6	20.2	21.0	21.4
	6H	23.1	23.8	23.5	24.2	24.7	20.6	21.3	21.0	21.7	22.2
	8H	24.0	24.7	24.5	25.1	25.6	21.0	21.7	21.5	22.1	22.6
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.1 / - 0.1					+ 0.2 / - 0.2				
1.5H		+ 0.2 / - 0.2					+ 0.2 / - 0.4				
2.0H		+ 0.1 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 1177 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.6)
Area: 0.0706 m2

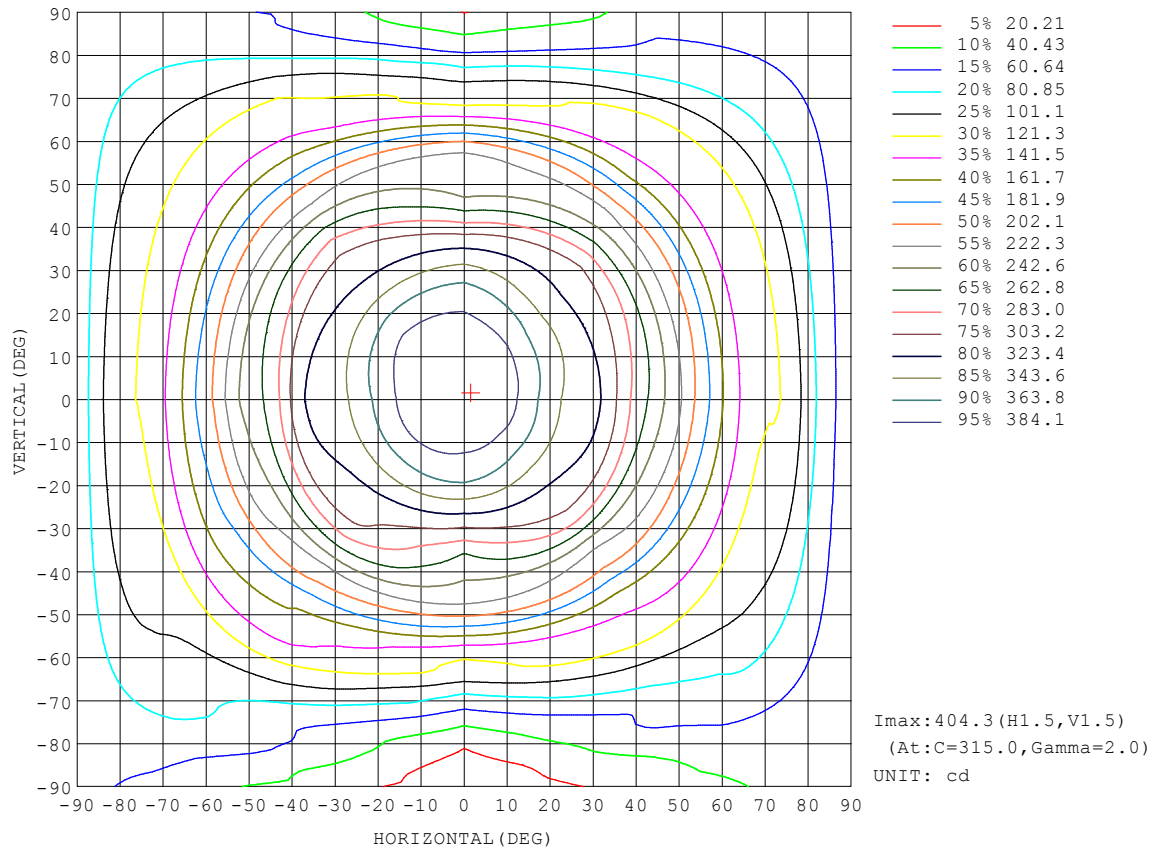
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-03-01

☐ Range: 0 - 90DEG
☐ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity:65.0%
Test Distance:10.237m [K=1.0000]
Remarks:

☐ Range: 0 - 90DEG
☐ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:65.0%
 Test Distance:10.237m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME: 600-038	TYPE: 8W Max	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 1
MFR.: Tronix Lighting	SUR.: 0.0706	Shielding Angle:

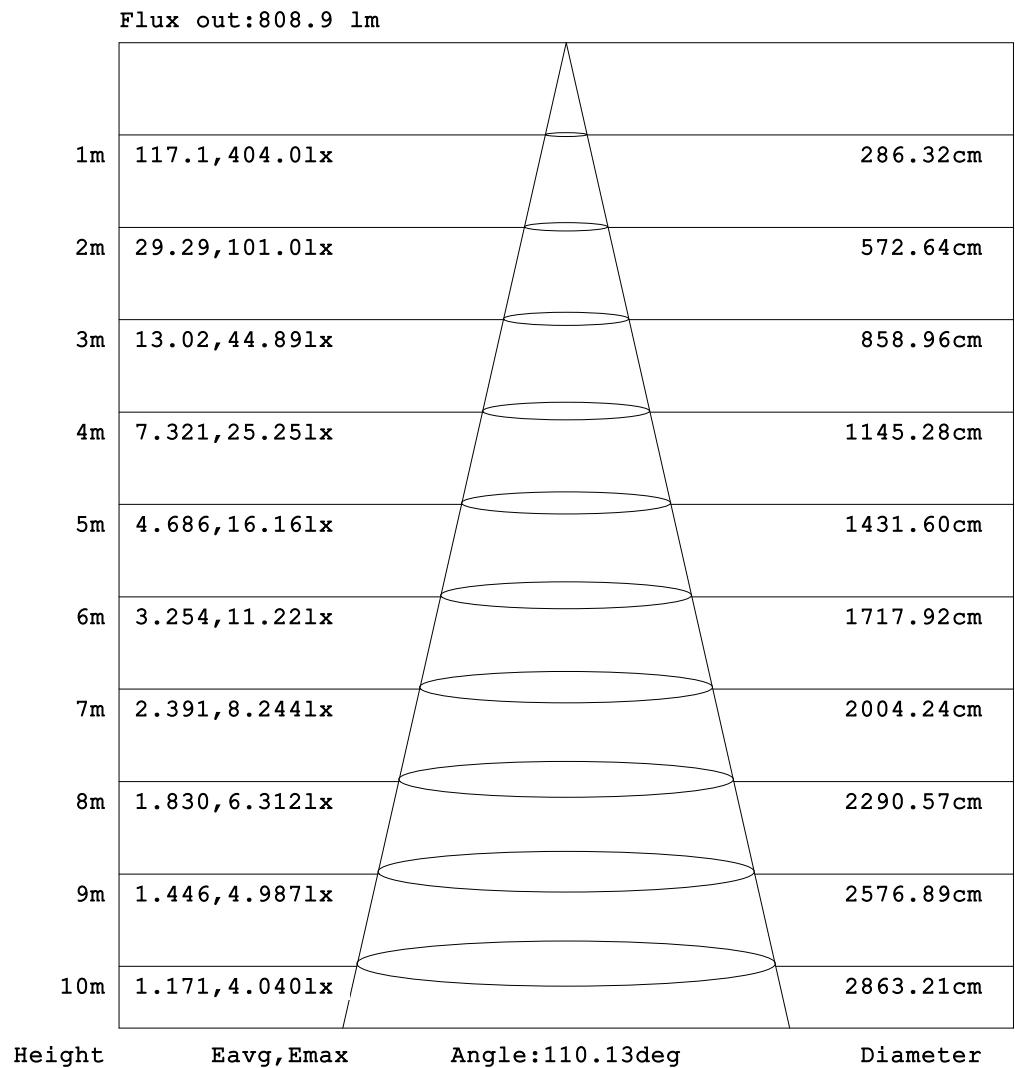


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
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☐ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity: 65.0%
Test Distance: 10.237m [K=1.0000]
Remarks:

AAI Figure

NAME: 600-038	TYPE: 8W Max	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 1
MFR.: Tronix Lighting	SUR.: 0.0706	Shielding Angle:



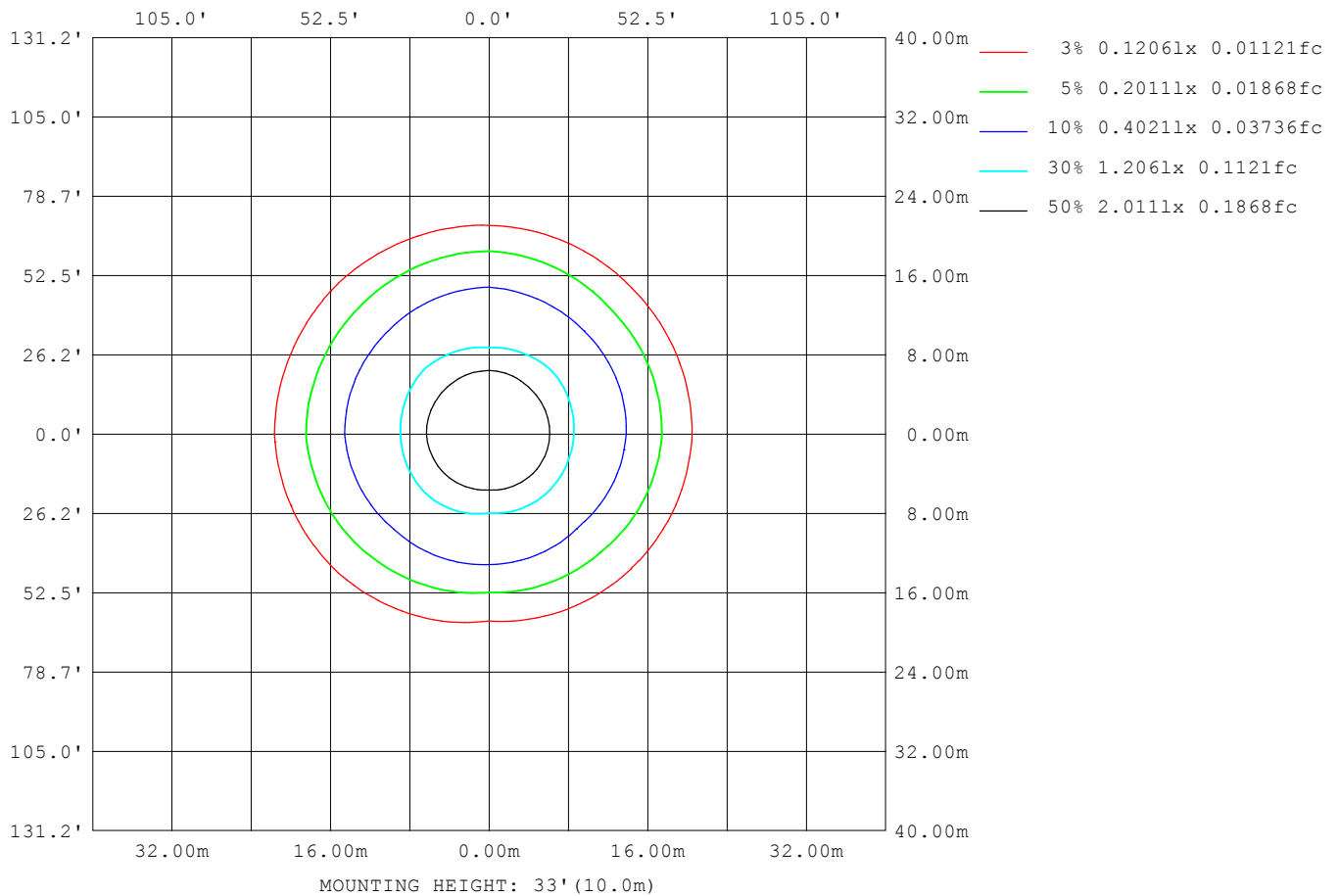
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-03-01

☐ Range: 0 - 90DEG
☐ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: 65.0%
 Test Distance: 10.237m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: 600-038	TYPE: 8W Max	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 1
MFR.: Tronix Lighting	SUR.: 0.0706	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-03-01

☐ Range: 0 - 90DEG
☐ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: 65.0%
 Test Distance: 10.237m [K=1.0000]
 Remarks:

LED Avg.L Report

NAME: 600-038	TYPE: 8W Max	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 1
MFR.: Tronix Lighting	SUR.: 0.0706	Shielding Angle:

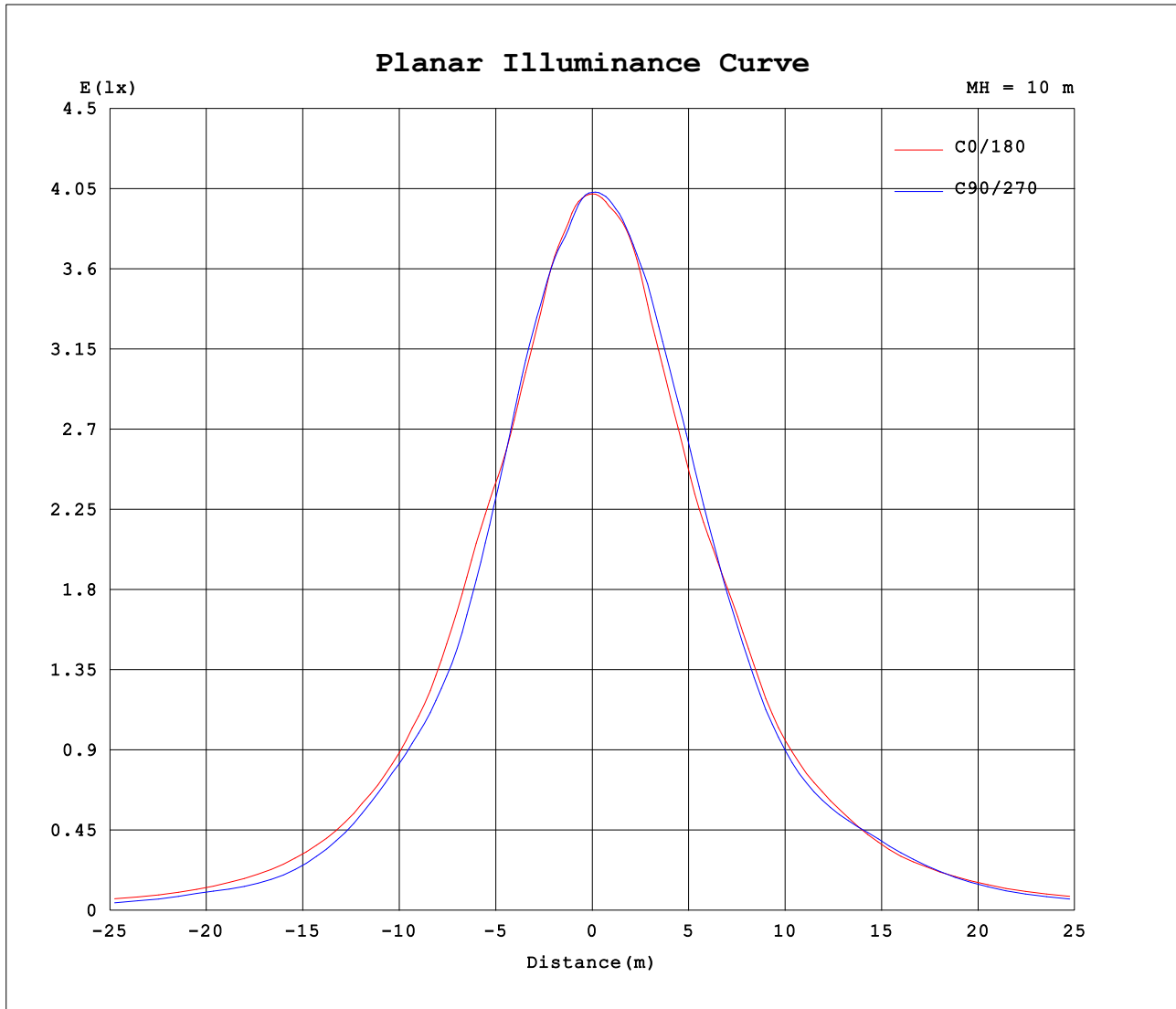
AvgL	cd/m2
L_0~180 (65) av	5066
L_0~180 (75) av	6576
L_0~180 (85) av	13060
L_90~270 (65) av	4251
L_90~270 (75) av	3831
L_90~270 (85) av	4144
L_45 (65) av	4748
L_45 (75) av	5296
L_45 (85) av	9325

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-03-01

☐ Range: 0 - 90DEG
☐ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity: 65.0%
Test Distance: 10.237m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
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 Test Date: 2022-03-01

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 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
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