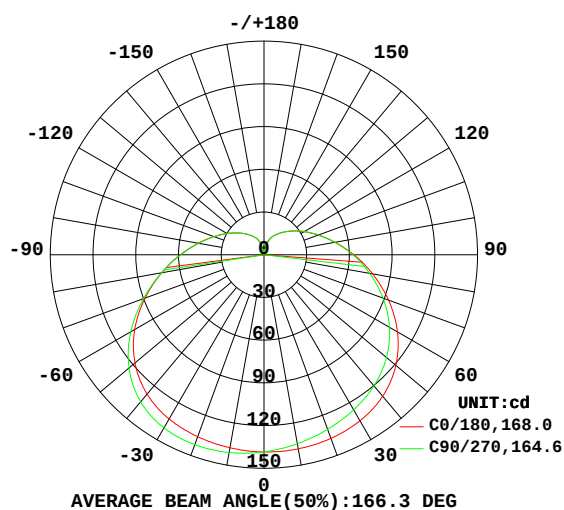


LUMINAIRE PHOTOMETRIC TEST REPORT

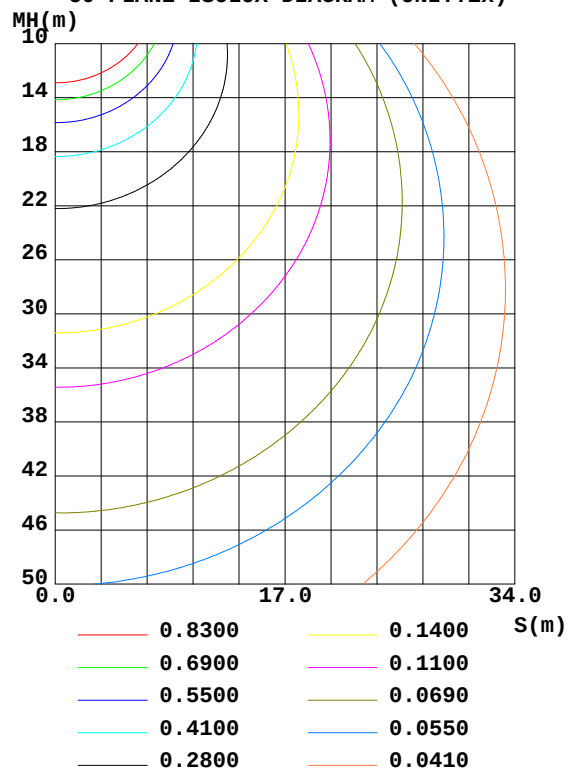
Test:U:230.05V I:0.0430A P:7.2725W PF:0.7351 Freq:50.00Hz Lamp Flux:854.102x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A11a_11aSA-A806ST-Q1TDN-09_806lm_7.3W	DIM.:	SERIAL No.: A2109658C001
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.44 lm/W			
MODEL		Imax(cd)	142.0	S/MH(C0/180)	1.45
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.52
RATED VOLTAGE(V)		TOTAL FLUX(lm)	854.10	η UP, DN(C0-180)	12.2, 37.5
NOMINAL FLUX(lm)	854.102	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	11.5, 38.8
LAMPS INSIDE	1	η up(%)	23.8	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)		η down(%)	76.2	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: lsc
Test Date: 2021-07-12

Checker: HXP

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.429
Humidity: 45%
Test Distance: 1.512m [K=1.0000]
Remarks:

Assessor:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	138.5	135.9	134.8	135.4	137.7	139.8	141.0	140.6	0- 10	13.19	13.19	1.54,1.54
20	137.3	132.6	130.5	132.0	136.0	139.8	141.9	141.3	10- 20	38.89	52.08	6.1,6.1
30	134.7	128.4	125.9	127.9	133.2	137.9	140.4	139.7	20- 30	62.50	114.6	13.4,13.4
40	129.6	122.7	120.2	122.4	127.8	132.3	134.7	134.7	30- 40	82.29	196.9	23,23
50	120.9	114.5	112.2	114.1	118.3	121.8	123.7	124.6	40- 50	95.74	292.6	34.3,34.3
60	108.3	103.4	101.6	102.5	104.9	106.6	108.0	109.9	50- 60	100.8	393.4	46.1,46.1
70	93.04	90.26	88.95	88.46	88.81	88.97	90.07	92.59	60- 70	97.17	490.6	57.4,57.4
80	77.43	76.42	75.40	73.92	72.98	72.24	72.98	75.75	70- 80	87.00	577.6	67.6,67.6
90	63.10	63.26	62.39	60.38	58.00	57.72	58.39	61.02	80- 90	73.65	651.2	76.2,76.2
100	50.70	51.34	50.59	48.50	46.91	45.93	46.60	48.75	90-100	59.43	710.7	83.2,83.2
110	40.63	41.40	40.73	38.90	37.46	36.72	37.30	39.07	100-110	46.25	756.9	88.6,88.6
120	32.46	33.24	33.21	31.18	29.96	29.40	29.92	31.34	110-120	34.82	791.7	92.7,92.7
130	26.02	26.60	26.14	24.91	23.90	23.49	23.93	25.04	120-130	25.23	817.0	95.7,95.7
140	20.64	21.07	20.69	19.78	18.93	18.65	19.00	19.85	130-140	17.36	834.3	97.7,97.7
150	16.19	16.49	16.20	15.51	14.84	14.62	14.87	15.52	140-150	11.12	845.4	99,99
160	11.36	12.30	12.04	11.35	10.21	9.754	10.27	11.29	150-160	6.270	851.7	99.7,99.7
170	4.799	5.800	5.304	4.110	0.7946	1.446	1.861	4.045	160-170	2.277	854.0	100,100
180	0.2030	0.2021	0.2031	0.2119	0.2029	0.2026	0.2019	0.2073	170-180	0.1172	854.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 243.55 lm

%lum = 28.5%

%lamp = 28.5%

Conical surface Flux(120deg): 393.4 lm

%lum = 46.1%

%lamp = 46.1%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:lsc
 Test Date:2021-07-12

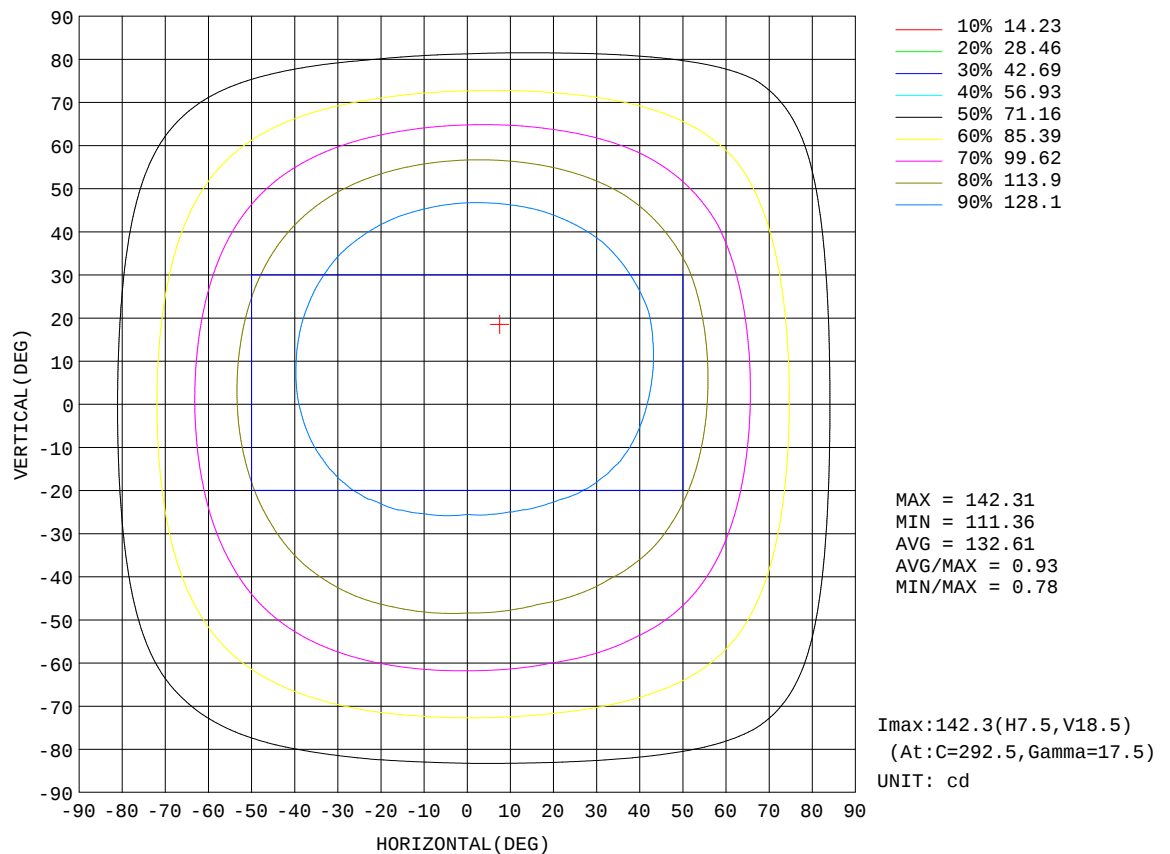
Checker: HXP

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.429
 Humidity:45%
 Test Distance:1.512m [K=1.0000]
 Remarks:

Assessor:

ISOCANDELA DIAGRAM

Test:U:230.05V I:0.0430A P:7.2725W PF:0.7351 Freq:50.00Hz Lamp Flux:854.102x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A11a_11aSA-A806ST-Q1TDN-09_806lm_7.3W	DIM.:	SERIAL No.: A2109658C001
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:lsc
 Test Date:2021-07-12

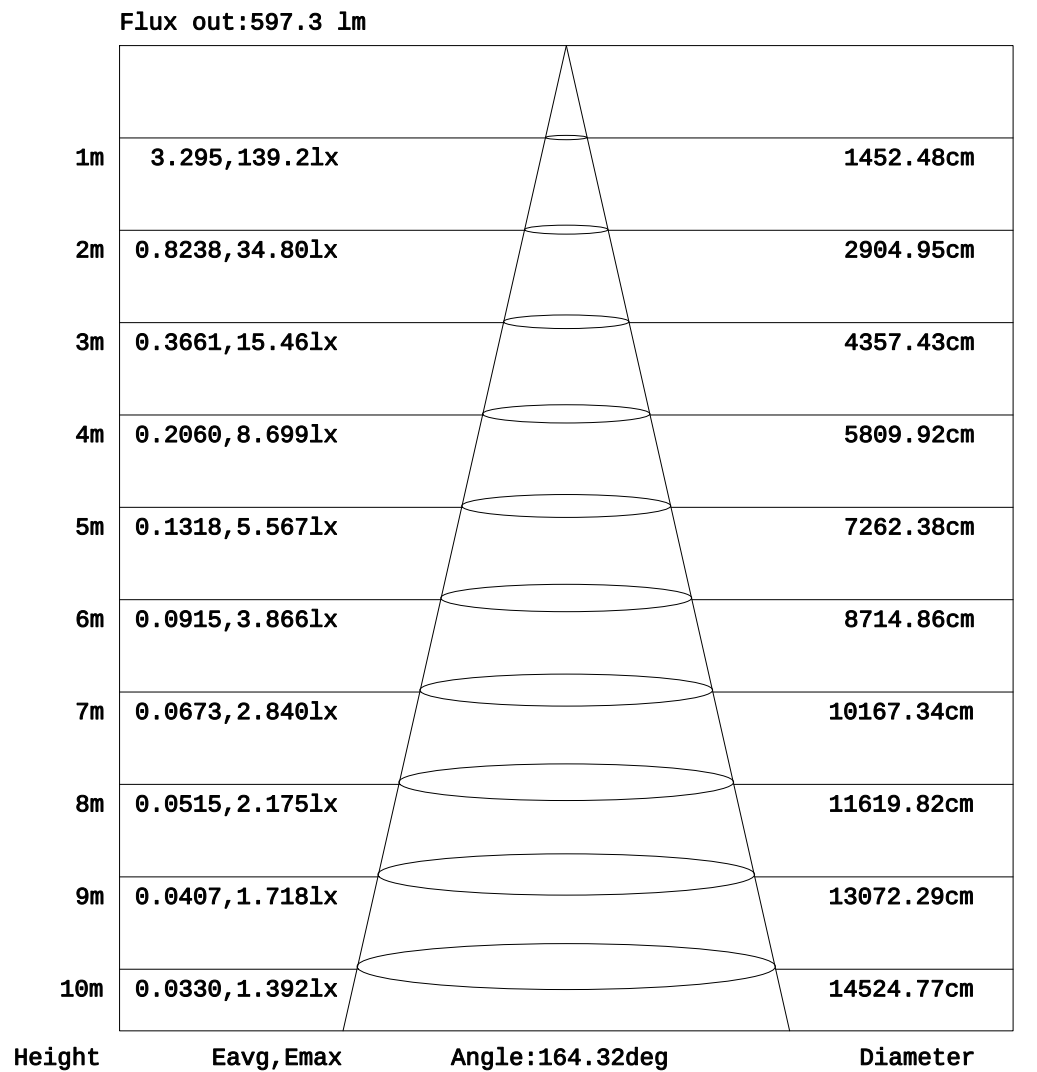
Checker: HXP

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.429
 Humidity:45%
 Test Distance:1.512m [K=1.0000]
 Remarks:

Assessor:

AAI Figure

Test:U:230.05V I:0.0430A P:7.2725W PF:0.7351 Freq:50.00Hz Lamp Flux:854.102x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A11a_11aSA-A806ST-Q1TDN-09_806lm_7.3W	DIM.:	SERIAL No.: A2109658C001
MFR.:	SUR.:	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:lsc
 Test Date:2021-07-12

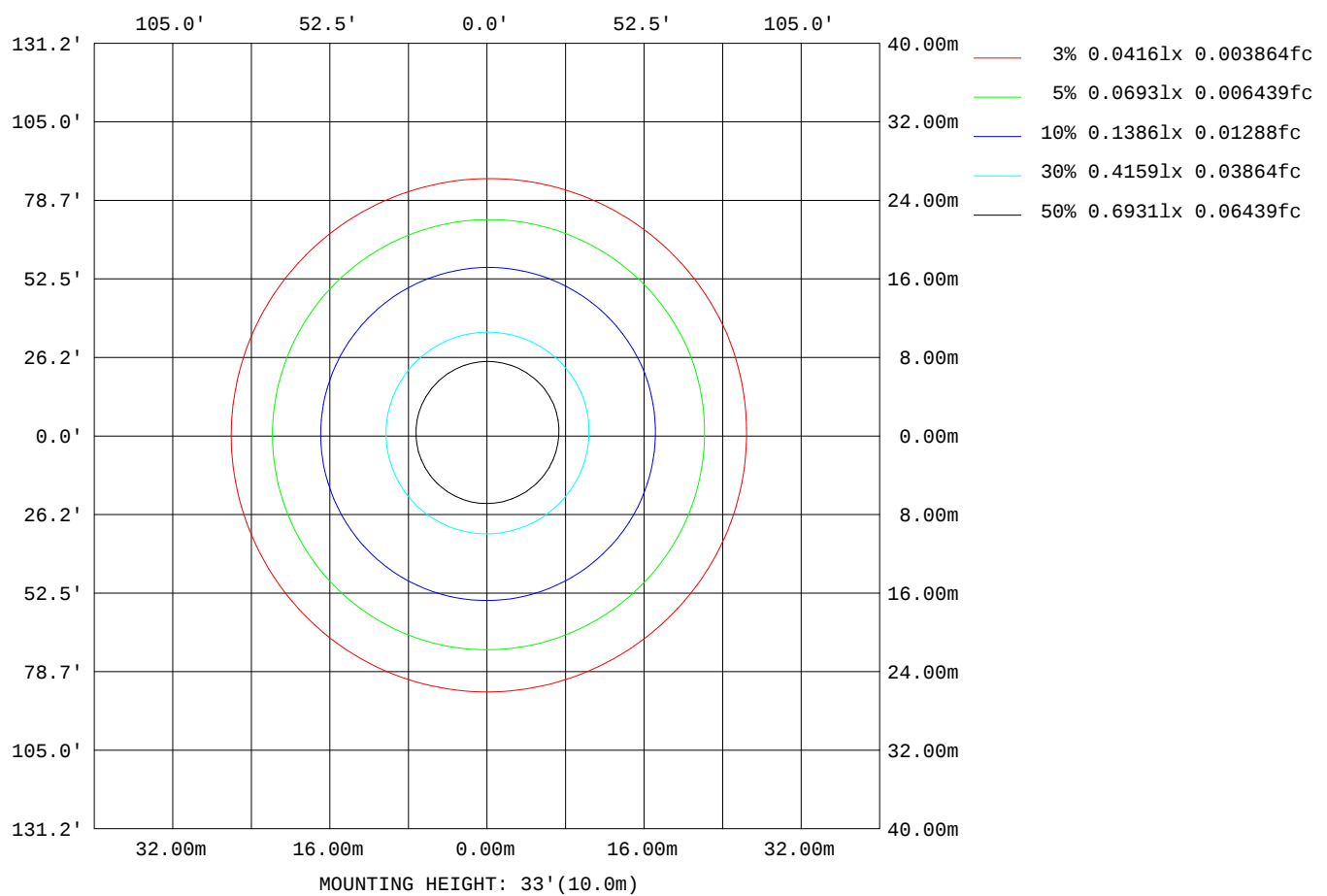
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.429
 Humidity:45%
 Test Distance:1.512m [K=1.0000]
 Remarks:

Checker: HXP

Assessor:

ISOLUX DIAGRAM

Test:U:230.05V I:0.0430A P:7.2725W PF:0.7351 Freq:50.00Hz Lamp Flux:854.102x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A11a_11aSA-A806ST-Q1TDN-09_806lm_7.3W	DIM.:	SERIAL No.: A2109658C001
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: lsc
 Test Date: 2021-07-12

Checker: HXP

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.429
 Humidity: 45%
 Test Distance: 1.512m [K=1.0000]
 Remarks:

Assessor:

LED Avg.L Report

Test:U:230.05V I:0.0430A P:7.2725W PF:0.7351 Freq:50.00Hz Lamp Flux:854.102x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A11a_11aSA-A806ST-Q1TDN-09_806lm_7.3W	DIM.:	SERIAL No.: A2109658C001
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	8346
L_0~180(75)av	11426
L_0~180(85)av	27779
L_90~270(65)av	8209
L_90~270(75)av	11260
L_90~270(85)av	27472
L_45(65)av	8266
L_45(75)av	11323
L_45(85)av	27571

Standard: GB/T 29293-2012

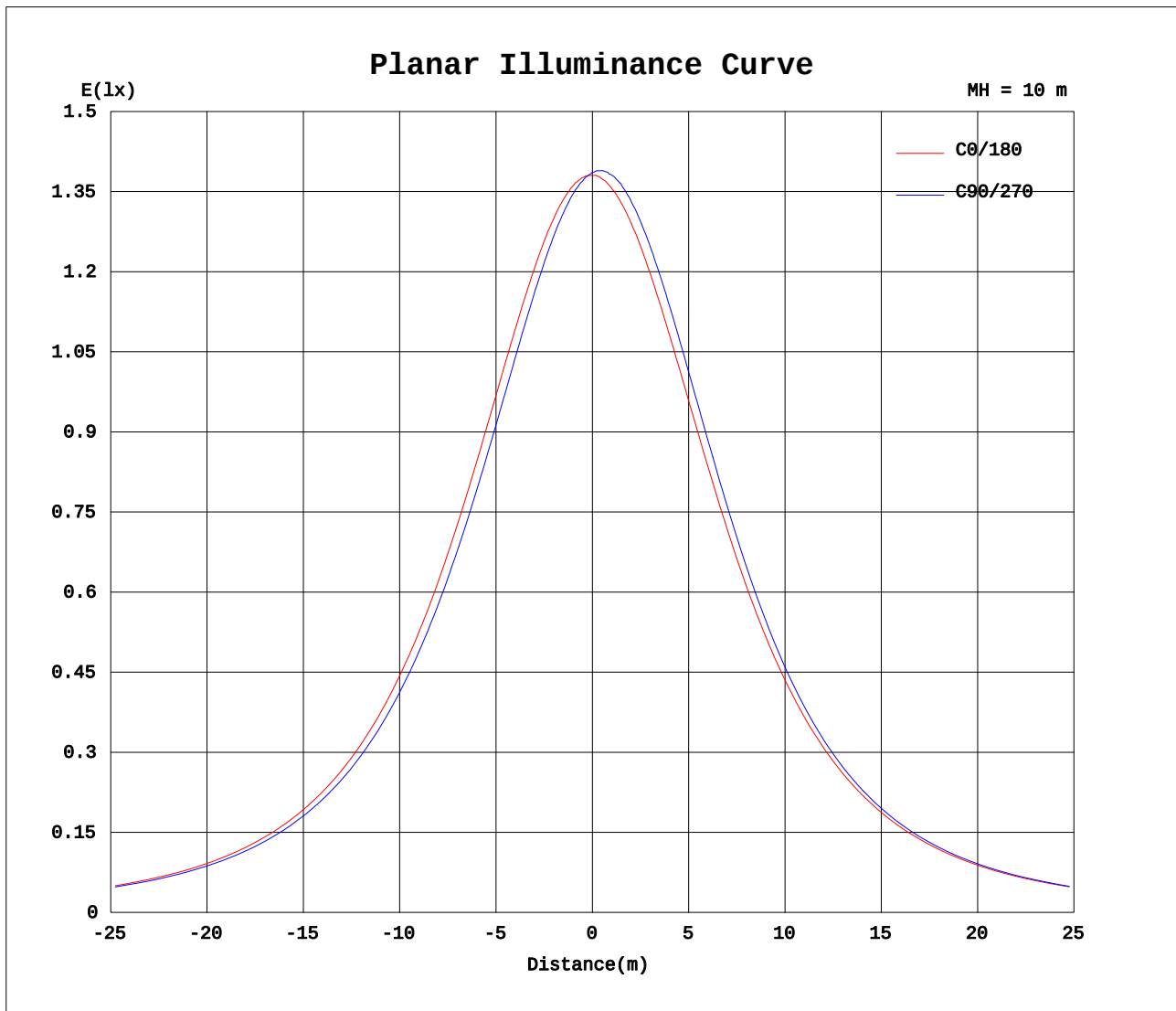
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:lsc
 Test Date:2021-07-12

Checker: HXP

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.429
 Humidity:45%
 Test Distance:1.512m [K=1.0000]
 Remarks:

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: lsc
Test Date: 2021-07-12

Checker: HXP

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.429
Humidity: 45%
Test Distance: 1.512m [K=1.0000]
Remarks:

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.05V I:0.0430A P:7.2725W PF:0.7351 Freq:50.00Hz Lamp Flux:854.102x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A11a_11aSA-A806ST-Q1TDN-09_806lm_7.3W	DIM.:	SERIAL No.: A2109658C001
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138			
5	139	138	137	137	137	137	137	138	138	139	139	140	140	140	140	139			
10	138	137	136	135	135	135	135	136	138	139	140	141	141	141	141	140			
15	138	136	134	133	133	133	134	135	137	139	140	141	142	142	141	140			
20	137	135	133	131	131	131	132	134	136	138	140	141	142	142	141	140			
25	136	133	131	129	128	129	130	132	135	137	139	141	142	142	141	139			
30	135	131	128	127	126	126	128	130	133	136	138	140	140	141	140	138			
35	133	129	126	124	123	124	126	128	131	133	136	137	138	138	138	136			
40	130	126	123	121	120	121	122	125	128	130	132	134	135	135	135	133			
45	126	122	119	117	116	117	119	121	123	126	128	129	130	130	130	129			
50	121	118	115	113	112	113	114	116	118	120	122	123	124	124	125	124			
55	115	112	109	108	107	108	109	110	112	113	114	115	116	117	118	118			
60	108	106	103	102	102	102	102	103	105	106	107	107	108	109	110	110			
65	101	99.1	97.0	95.8	95.5	95.6	95.7	95.9	97.0	97.4	97.8	98.2	99.1	100	101	102			
70	93.0	91.9	90.3	89.3	88.9	88.9	88.5	88.2	88.8	89.0	89.0	89.2	90.1	91.2	92.6	93.8			
75	85.1	84.6	83.3	82.4	82.2	81.8	81.1	80.5	80.7	80.5	80.3	80.5	81.3	82.5	84.0	85.5			
80	77.4	77.2	76.4	75.7	75.4	74.9	73.9	72.9	73.0	72.5	72.2	72.2	73.0	74.2	75.8	77.4			
85	70.1	70.3	69.7	69.2	68.8	68.2	67.0	65.9	65.7	65.1	64.7	64.7	65.4	66.5	68.1	69.8			
90	63.1	63.6	63.3	62.8	62.4	61.6	60.4	59.2	58.8	58.2	57.7	57.8	58.4	59.5	61.0	62.6			
95	56.6	57.2	57.1	56.7	56.3	55.5	54.2	52.9	52.5	51.9	51.5	51.5	52.1	53.2	54.5	56.2			
100	50.7	51.3	51.3	51.1	50.6	49.7	48.5	47.3	46.9	46.3	45.9	46.0	46.6	47.5	48.8	50.2			
105	45.4	46.0	46.1	46.0	45.4	44.6	43.4	42.3	41.9	41.3	41.0	41.2	41.7	42.6	43.7	44.9			
110	40.6	41.3	41.4	41.2	40.7	40.0	38.9	37.9	37.5	37.0	36.7	36.8	37.3	38.1	39.1	40.2			
115	36.4	37.0	37.1	37.0	36.5	35.8	34.8	33.9	33.5	33.1	32.8	33.0	33.4	34.1	35.0	36.0			
120	32.5	33.1	33.2	33.1	33.2	32.0	31.2	30.4	30.0	29.6	29.4	29.5	29.9	30.6	31.3	32.2			
125	29.2	29.6	29.8	29.7	29.3	28.7	27.9	27.2	26.8	26.4	26.3	26.4	26.8	27.3	28.1	28.8			
130	26.0	26.5	26.6	26.5	26.1	25.6	24.9	24.3	23.9	23.6	23.5	23.6	23.9	24.4	25.0	25.7			
135	23.2	23.6	23.7	23.6	23.3	22.8	22.2	21.7	21.3	21.0	21.0	21.1	21.4	21.8	22.3	22.9			
140	20.6	20.9	21.1	21.0	20.7	20.3	19.8	19.3	18.9	18.7	18.6	18.7	19.0	19.4	19.9	20.4			
145	18.3	18.6	18.7	18.6	18.3	18.0	17.5	17.1	16.8	16.6	16.5	16.6	16.8	17.2	17.6	18.0			
150	16.2	16.4	16.5	16.4	16.2	15.9	15.5	15.2	14.8	14.7	14.6	14.7	14.9	15.2	15.5	15.6			
155	14.1	14.5	14.5	14.4	14.2	14.0	13.5	13.2	12.8	12.7	12.5	12.6	12.9	13.2	13.5	13.1			
160	11.4	12.1	12.3	12.1	12.0	11.8	11.3	10.8	10.2	10.2	9.75	10.0	10.3	10.6	11.3	10.6			
165	8.48	9.39	9.61	9.38	9.36	9.05	8.52	7.68	6.39	6.26	4.49	5.81	6.66	7.53	8.36	7.96			
170	4.80	5.74	5.88	5.68	5.30	4.85	4.11	3.14	0.79	0.76	1.45	1.07	1.86	3.29	4.05	4.12			
175	0.23	0.22	0.22	0.22	0.22	0.22	0.21	0.22	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.20			
180	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.22	0.20	0.20	0.20	0.20	0.20	0.20	0.21	0.21			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:lsc
Test Date:2021-07-12

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.429
Humidity:45%
Test Distance:1.512m [K=1.0000]
Remarks:

Checker: HXP

Assessor: