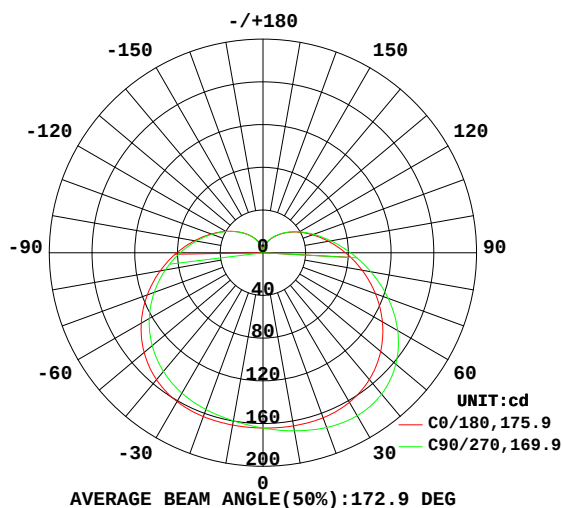


LUMINAIRE PHOTOMETRIC TEST REPORT

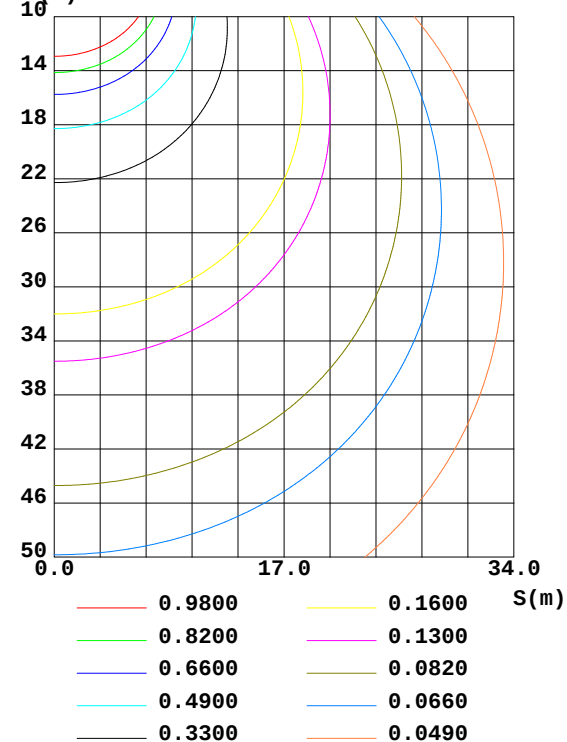
Test:U:230.14V I:0.0606A P:10.338W PF:0.7418 Freq:50.00Hz Lamp Flux:1066.33x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: 10aSA-A1060ST-Q1D-01	DIM.:	SERIAL No.: A2110485E001
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.14 lm/W			
MODEL		I _{max} (cd)	176.2	S/MH(C0/180)	1.48
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.40
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1066.3	η UP, DN(C0-180)	11.9, 39.7
NOMINAL FLUX(lm)	1066.33	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	11.9, 36.5
LAMPS INSIDE	1	η up(%)	23.8	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)		η down(%)	76.2	CIBSE SHR MAX	1.75

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: CWR
 Test Date: 2021-07-26

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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	164.6	168.0	169.3	167.4	163.8	160.7	159.8	161.3	0- 10	15.68	15.68	1.47,1.47
20	164.5	171.2	174.1	170.2	163.3	157.7	156.2	158.8	10- 20	46.63	62.31	5.84,5.84
30	161.8	171.5	176.2	170.7	160.9	153.6	151.8	154.7	20- 30	75.81	138.1	13,13
40	154.9	166.5	172.8	166.4	155.1	146.9	145.0	147.7	30- 40	100.5	238.7	22.4,22.4
50	143.8	155.7	162.3	156.3	145.2	137.2	135.4	137.4	40- 50	117.7	356.4	33.4,33.4
60	129.1	139.4	145.6	140.8	131.6	124.7	123.0	124.2	50- 60	125.3	481.7	45.2,45.2
70	112.0	119.6	124.7	121.6	115.2	109.7	108.4	109.0	60- 70	122.8	604.5	56.7,56.7
80	94.24	98.91	102.5	101.1	97.72	93.76	92.79	92.91	70- 80	111.9	716.4	67.2,67.2
90	77.33	79.73	81.99	81.76	80.65	78.05	77.51	77.34	80- 90	95.86	812.3	76.2,76.2
100	62.25	63.31	64.61	64.95	65.10	63.60	63.37	63.11	90-100	77.87	890.1	83.5,83.5
110	49.47	49.81	50.62	51.06	51.59	50.83	50.78	50.52	100-110	60.34	950.5	89.1,89.1
120	38.72	38.81	39.33	39.64	40.14	39.76	39.84	39.60	110-120	44.61	995.1	93.3,93.3
130	29.64	29.69	30.05	30.18	30.48	30.31	30.40	30.23	120-130	31.19	1026	96.2,96.2
140	21.88	21.97	22.23	22.22	22.36	22.25	22.31	22.20	130-140	20.25	1047	98.1,98.1
150	15.35	15.52	15.73	15.65	15.64	15.53	15.30	15.34	140-150	11.86	1058	99.3,99.3
160	9.841	10.09	10.26	10.18	10.05	9.625	8.660	7.128	150-160	5.863	1064	99.8,99.8
170	3.169	4.329	4.783	4.746	4.333	3.539	2.322	1.028	160-170	1.956	1066	100,100
180	0.2557	0.2589	0.2596	0.2579	0.2558	0.2579	0.2600	0.2588	170-180	0.1310	1066	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 295.95 lm

%lum = 27.8%

%lamp = 27.8%

Conical surface Flux(120deg): 481.68 lm

%lum = 45.2%

%lamp = 45.2%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CWR
 Test Date:2021-07-26

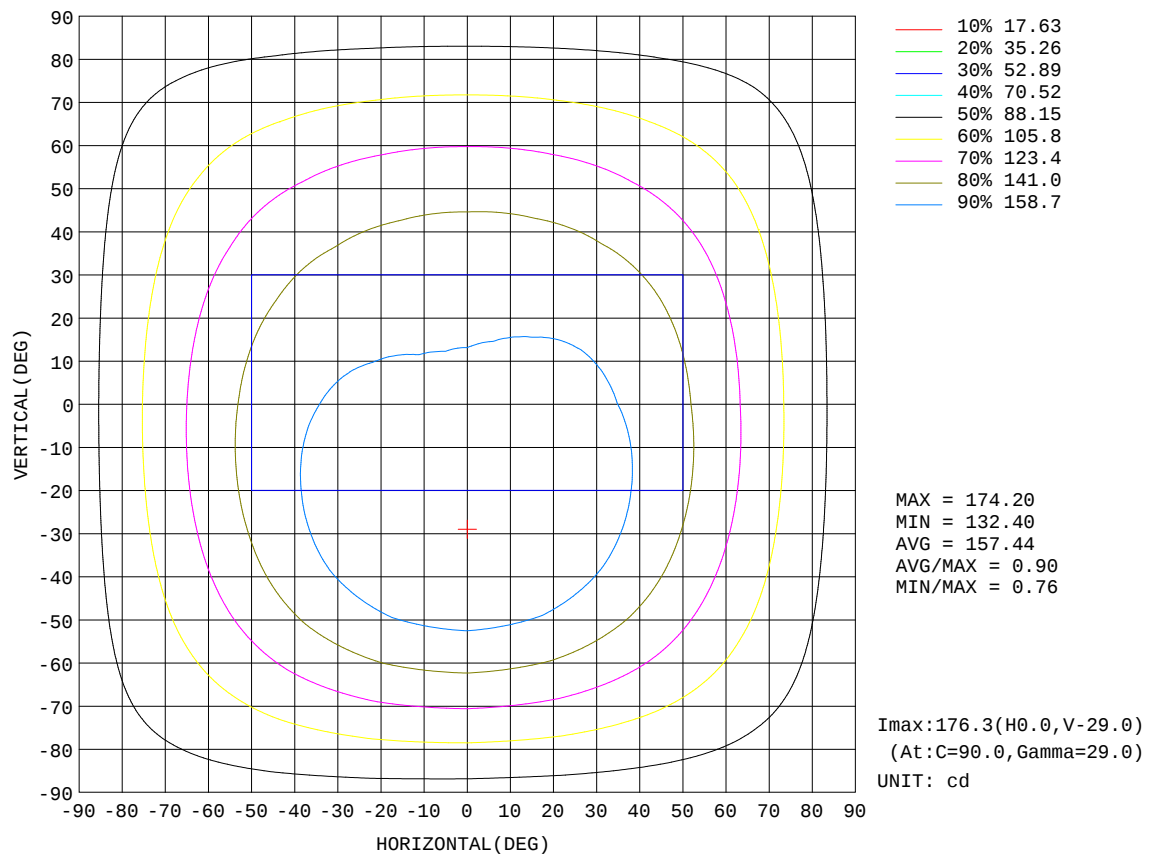
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.429
 Humidity:45%
 Test Distance:1.512m [K=1.0000]
 Remarks:

Checker: HXP

Assessor:

ISOCANDELA DIAGRAM

Test:U:230.14V I:0.0606A P:10.338W PF:0.7418 Freq:50.00Hz Lamp Flux:1066.33x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: 10aSA-A1060ST-Q1D-01	DIM.:	SERIAL No.: A2110485E001
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: CWR
Test Date: 2021-07-26

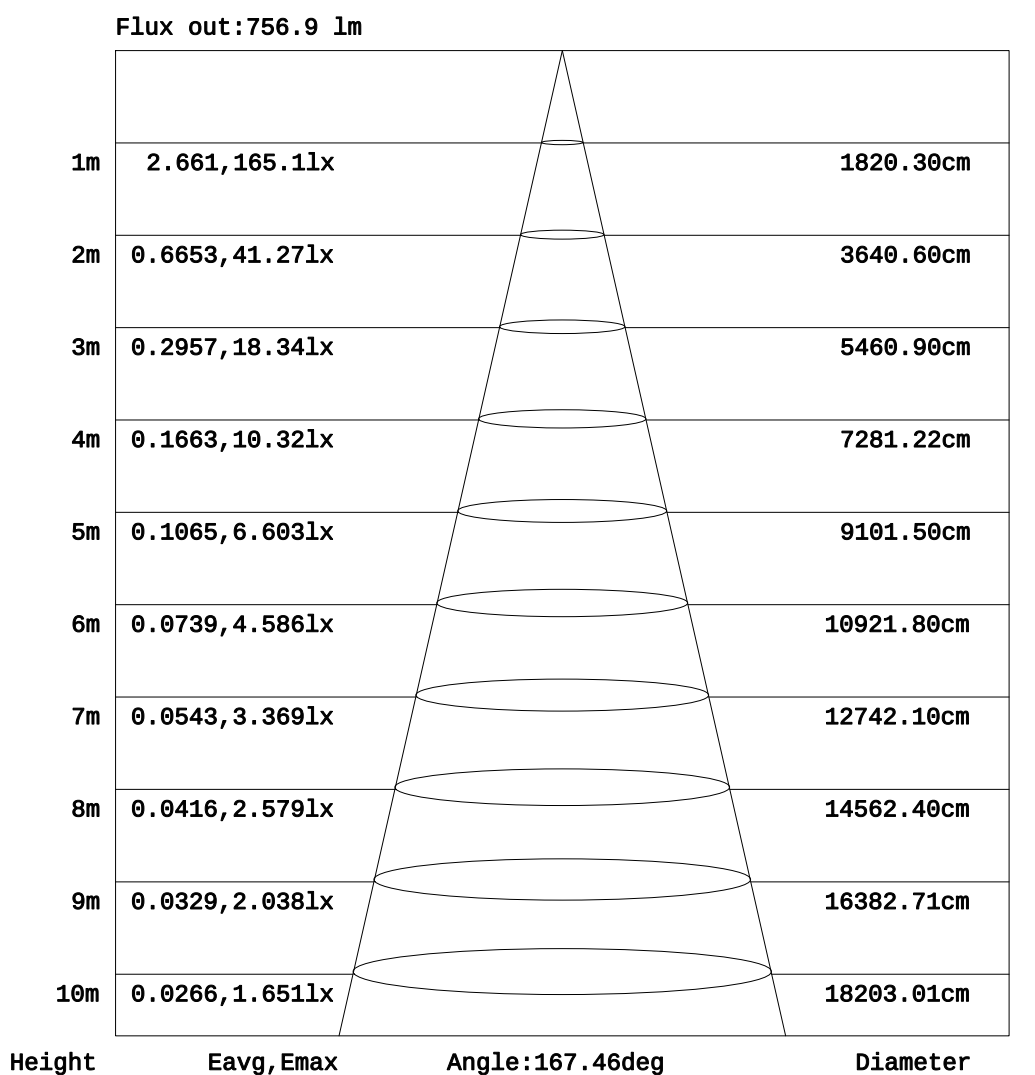
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.429
Humidity: 45%
Test Distance: 1.512m [K=1.0000]
Remarks:

Checker: HXP

Assessor:

AAI Figure

Test:U:230.14V I:0.0606A P:10.338W PF:0.7418 Freq:50.00Hz Lamp Flux:1066.33x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: 10aSA-A1060ST-Q1D-01	DIM.:	SERIAL No.: A2110485E001
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:CWR
 Test Date:2021-07-26

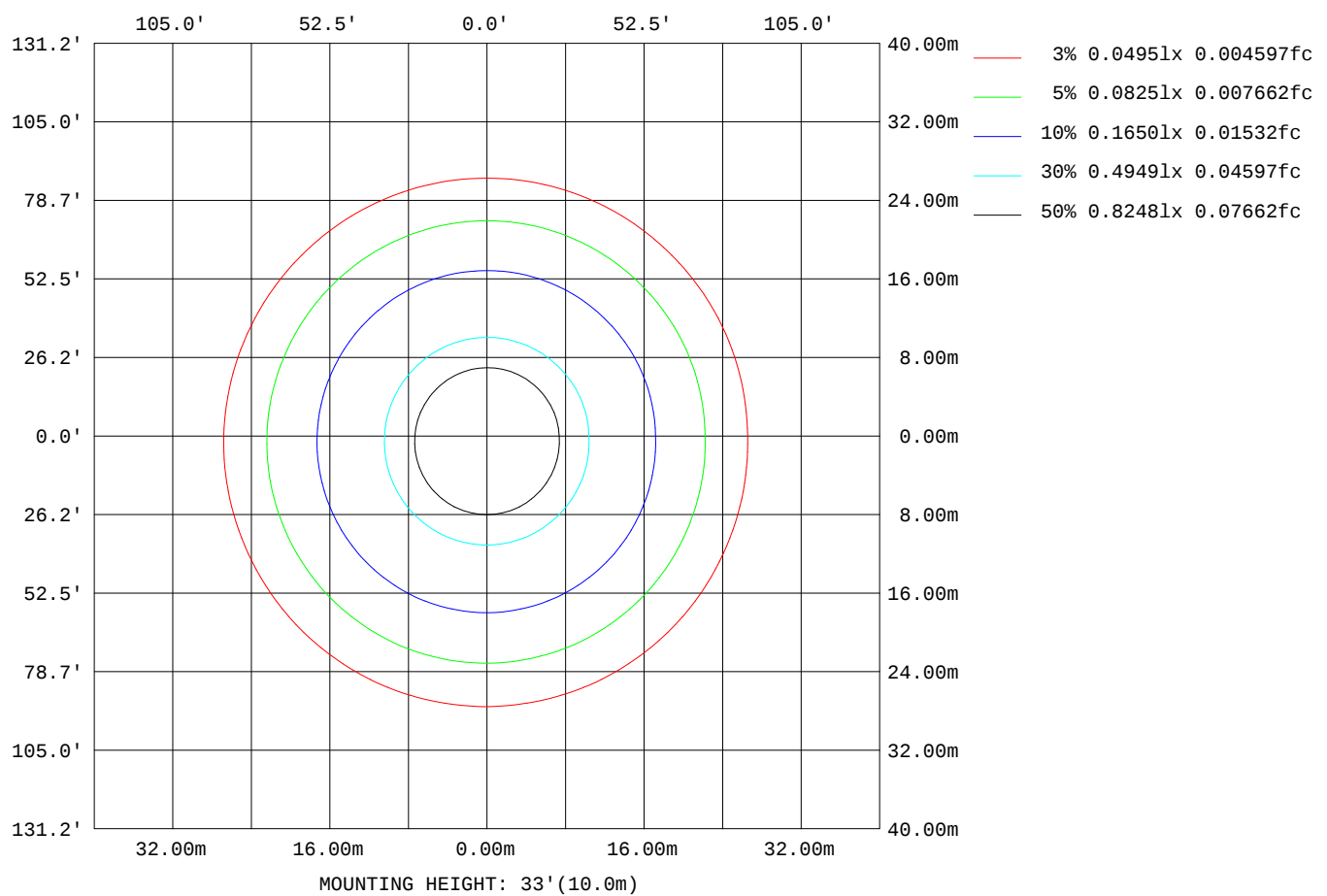
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.429
 Humidity:45%
 Test Distance:1.512m [K=1.0000]
 Remarks:

Checker: HXP

Assessor:

ISOLUX DIAGRAM

Test:U:230.14V I:0.0606A P:10.338W PF:0.7418 Freq:50.00Hz Lamp Flux:1066.33x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: 10aSA-A1060ST-Q1D-01	DIM.:	SERIAL No.: A2110485E001
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: CWR
 Test Date: 2021-07-26

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:230.14V I:0.0606A P:10.338W PF:0.7418 Freq:50.00Hz Lamp Flux:1066.33x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: 10aSA-A1060ST-Q1D-01	DIM.:	SERIAL No.: A2110485E001
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	10312
L_0~180(75)av	14441
L_0~180(85)av	35738
L_90~270(65)av	10606
L_90~270(75)av	14759
L_90~270(85)av	36207
L_45(65)av	10451
L_45(75)av	14584
L_45(85)av	35902

Standard: GB/T 29293-2012

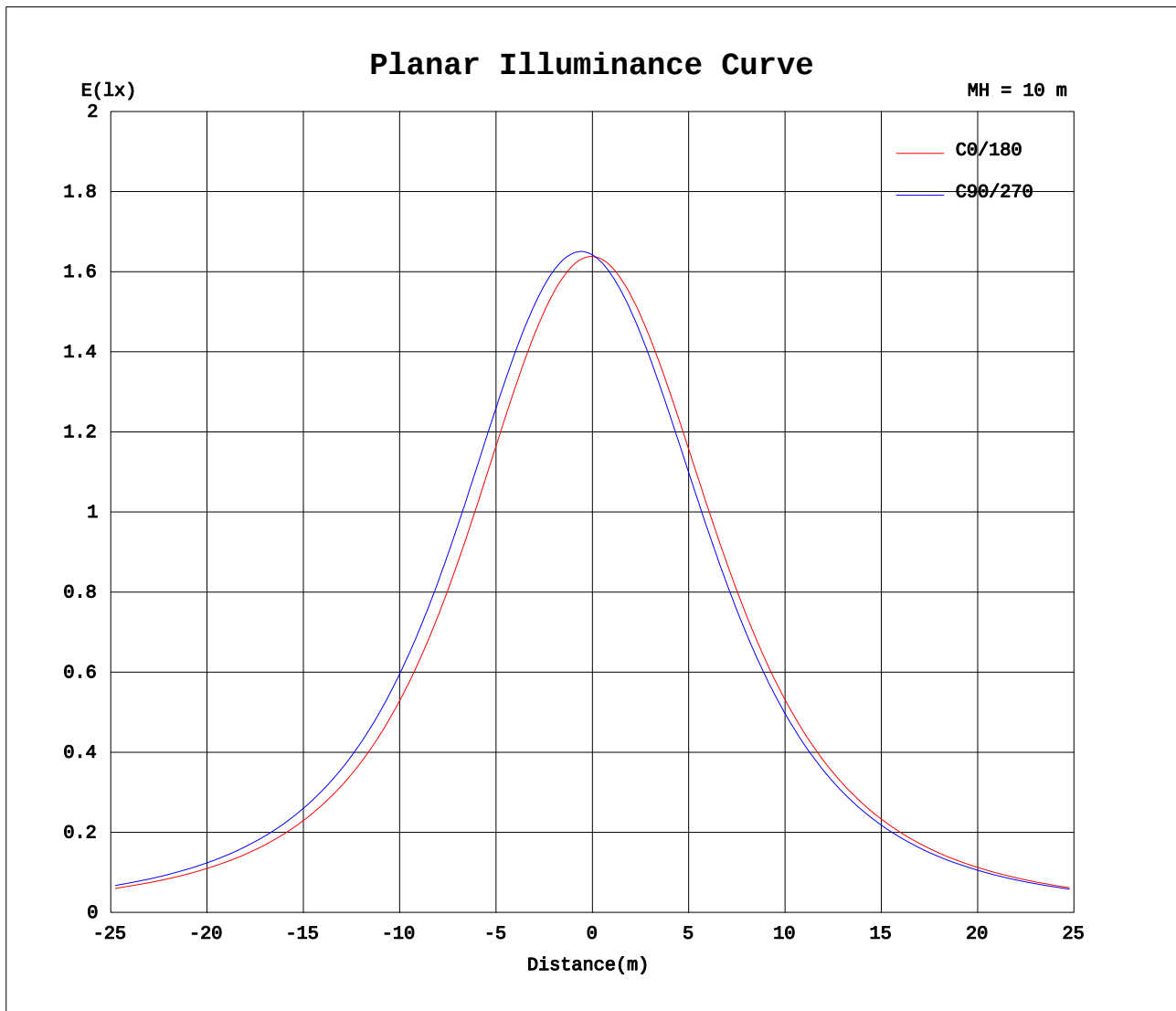
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CWR
 Test Date:2021-07-26

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: CWR
Test Date: 2021-07-26

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:230.14V I:0.0606A P:10.338W PF:0.7418 Freq:50.00Hz Lamp Flux:1066.33x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: 10aSA-A1060ST-Q1D-01	DIM.:	SERIAL No.: A2110485E001
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	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164			
5	164	165	166	167	167	166	166	165	164	163	162	162	162	162	163	164			
10	165	166	168	169	169	169	167	166	164	162	161	160	160	160	161	163			
15	165	167	170	171	172	171	169	166	164	161	159	158	158	159	160	162			
20	164	168	171	173	174	173	170	167	163	160	158	156	156	157	159	162			
25	164	168	172	175	176	174	171	167	162	159	156	154	154	155	157	160			
30	162	167	171	175	176	175	171	166	161	157	154	152	152	153	155	158			
35	159	164	170	174	175	174	169	164	159	154	151	149	149	150	152	155			
40	155	161	167	171	173	171	166	160	155	150	147	145	145	146	148	151			
45	150	156	162	167	168	167	162	156	151	146	142	141	141	141	143	146			
50	144	149	156	160	162	161	156	150	145	140	137	136	135	136	137	140			
55	137	142	148	153	155	153	149	143	139	134	131	130	130	130	131	134			
60	129	134	139	144	146	145	141	136	132	127	125	123	123	123	124	127			
65	121	125	130	134	136	135	132	127	124	120	117	116	116	116	117	119			
70	112	115	120	123	125	124	122	118	115	112	110	109	108	108	109	111			
75	103	106	109	112	114	113	111	108	107	104	102	101	101	101	101	102			
80	94.2	96.2	98.9	101	103	102	101	99.0	97.7	95.3	93.8	93.0	92.8	92.8	92.9	93.8			
85	85.6	86.9	89.0	90.8	91.9	92.0	91.2	89.7	89.1	87.1	85.8	85.2	85.0	85.0	85.0	85.5			
90	77.3	78.2	79.7	81.1	82.0	82.2	81.8	80.8	80.7	79.1	78.1	77.6	77.5	77.4	77.3	77.6			
95	69.5	70.0	71.1	72.1	72.9	73.1	73.0	72.5	72.7	71.5	70.7	70.3	70.3	70.2	70.1	70.1			
100	62.3	62.5	63.3	64.0	64.6	64.9	64.9	64.7	65.1	64.2	63.6	63.4	63.4	63.3	63.1	63.0			
105	55.6	55.7	56.2	56.8	57.2	57.5	57.7	57.6	58.1	57.5	57.0	56.8	56.9	56.8	56.6	56.4			
110	49.5	49.4	49.8	50.2	50.6	50.9	51.1	51.1	51.6	51.2	50.8	50.7	50.8	50.7	50.5	50.2			
115	43.9	43.8	44.0	44.4	44.7	44.9	45.1	45.1	45.6	45.3	45.1	45.0	45.1	45.1	44.9	44.6			
120	38.7	38.6	38.8	39.1	39.3	39.5	39.6	39.7	40.1	39.9	39.8	39.8	39.8	39.8	39.6	39.3			
125	34.0	33.9	34.0	34.3	34.5	34.6	34.7	34.7	35.1	35.0	34.9	34.9	34.9	34.9	34.7	34.5			
130	29.6	29.6	29.7	29.9	30.1	30.1	30.2	30.2	30.5	30.4	30.3	30.3	30.4	30.4	30.2	30.0			
135	25.6	25.5	25.7	25.8	26.0	26.0	26.0	26.0	26.2	26.2	26.1	26.1	26.2	26.2	26.1	25.9			
140	21.9	21.9	22.0	22.1	22.2	22.3	22.2	22.2	22.4	22.3	22.3	22.3	22.3	22.3	22.2	22.1			
145	18.5	18.5	18.6	18.7	18.8	18.8	18.8	18.7	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.6			
150	15.4	15.4	15.5	15.6	15.7	15.7	15.6	15.6	15.6	15.6	15.5	15.4	15.3	15.3	15.3	15.4			
155	12.5	12.6	12.7	12.8	12.9	12.9	12.8	12.7	12.7	12.7	12.5	12.2	11.9	11.6	11.8	12.2			
160	9.84	9.95	10.1	10.2	10.3	10.2	10.2	10.1	10.0	10.0	9.62	9.11	8.66	7.12	7.13	8.59			
165	6.96	7.26	7.43	7.55	7.67	7.64	7.65	7.51	7.42	7.38	6.71	6.18	5.53	4.50	6.42	2.79			
170	3.17	3.98	4.33	4.35	4.78	4.85	4.75	4.67	4.33	4.32	3.54	2.89	2.32	2.32	1.03	1.72			
175	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.26	0.23	0.23	0.23	0.24	0.24	0.25	0.25	0.24			
180	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CWR
Test Date:2021-07-26

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: