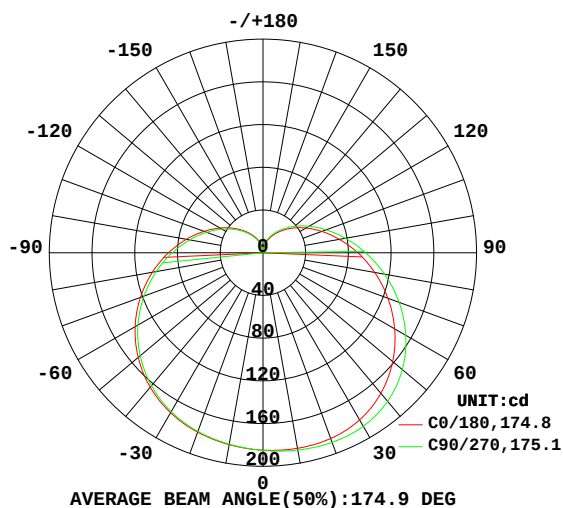


LUMINAIRE PHOTOMETRIC TEST REPORT

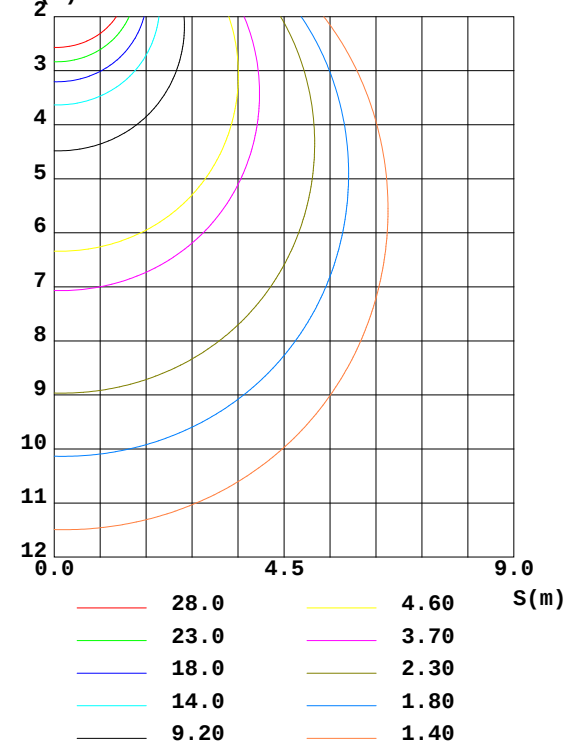
Test:U:230.05V I:0.0833A P:10.784W PF:0.5625 Freq:50.00Hz Lamp Flux:1184.85x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_S_8cSA-A1060ST	DIM.:	SERIAL No.: A2017008E001
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 109.88 lm/W			
MODEL		I _{max} (cd)	189.5	S/MH(C0/180)	1.41
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.40
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1184.8	η UP, DN(C0-180)	13.1, 38.9
NOMINAL FLUX(lm)	1184.85	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	12.0, 36.0
LAMPS INSIDE	1	η up(%)	25.1	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)		η down(%)	74.9	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: 24.7DEG
Operators: LSC
Test Date: 2020-09-23

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.429
Humidity: 48%
Test Distance: 1.533m [K=1.0000]
Remarks:

Checker:

Assessor: LiHua

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	185.9	187.6	187.6	185.4	182.5	181.1	182.0	183.9	0- 10	17.64	17.64	1.49,1.49
20	185.1	188.8	189.0	184.6	178.8	176.4	178.1	181.1	10- 20	52.07	69.71	5.88,5.88
30	180.8	186.7	187.6	181.8	173.0	169.7	171.8	175.0	20- 30	83.64	153.3	12.9,12.9
40	171.7	179.7	181.5	174.9	164.3	160.2	162.5	165.0	30- 40	109.5	262.9	22.2,22.2
50	158.5	167.6	170.2	163.8	152.5	148.1	150.1	151.7	40- 50	127.0	389.9	32.9,32.9
60	142.3	151.4	154.4	149.1	138.2	133.8	135.2	135.9	50- 60	134.8	524.7	44.3,44.3
70	124.5	132.7	135.6	131.7	122.1	117.7	118.6	118.6	60- 70	132.9	657.5	55.5,55.5
80	106.2	113.1	115.5	113.0	105.1	101.1	101.5	101.0	70- 80	122.8	780.3	65.9,65.9
90	88.90	94.34	96.05	94.66	88.51	85.04	84.97	84.24	80- 90	107.2	887.5	74.9,74.9
100	72.73	76.96	78.36	77.70	72.92	69.96	69.80	69.06	90-100	88.79	976.3	82.4,82.4
110	58.64	61.97	62.96	62.63	58.80	56.43	56.20	55.57	100-110	70.02	1046	88.3,88.3
120	46.48	49.09	49.80	49.63	46.44	44.45	44.29	43.79	110-120	52.50	1099	92.7,92.7
130	35.93	38.03	38.56	38.49	35.71	34.03	33.88	33.55	120-130	37.12	1136	95.9,95.9
140	26.85	28.58	29.03	28.99	26.47	25.09	24.92	24.67	130-140	24.35	1160	97.9,97.9
150	19.09	20.50	20.91	20.94	18.73	17.66	17.41	17.10	140-150	14.44	1175	99.1,99.1
160	12.36	13.73	14.10	14.19	12.23	11.19	10.80	9.846	150-160	7.326	1182	99.8,99.8
170	4.534	6.651	7.426	7.676	5.537	4.161	2.912	0.3095	160-170	2.610	1185	100,100
180	0.2799	0.2846	0.2839	0.2867	0.2789	0.2838	0.2845	0.2873	170-180	0.2176	1185	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 324.77 lm

%lum = 27.4%

%lamp = 27.4%

Conical surface Flux(120deg): 524.68 lm

%lum = 44.3%

%lamp = 44.3%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.7DEG
 Operators:LSC
 Test Date:2020-09-23

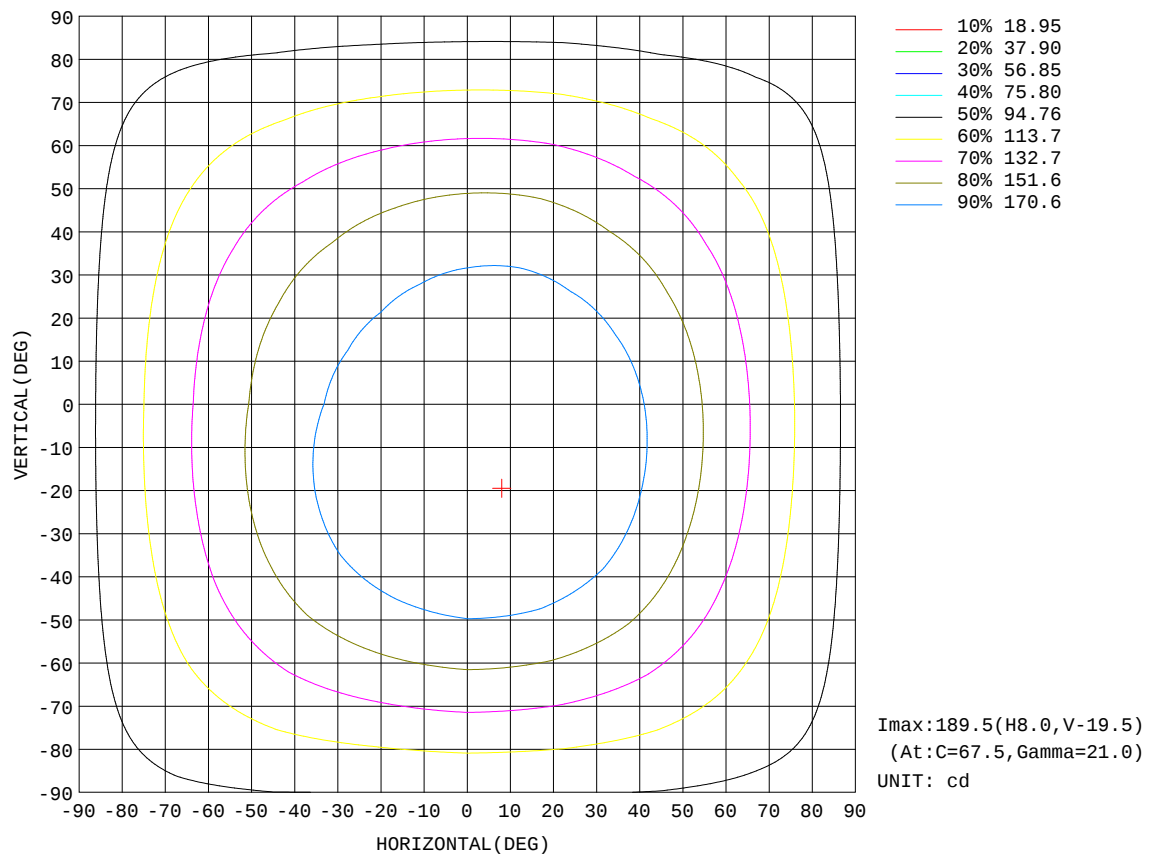
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.429
 Humidity:48%
 Test Distance:1.533m [K=1.0000]
 Remarks:

Checker:

Assessor: LiHua

ISOCANDELA DIAGRAM

Test:U:230.05V I:0.0833A P:10.784W PF:0.5625 Freq:50.00Hz Lamp Flux:1184.85x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_S_8cSA-A1060ST	DIM.:	SERIAL No.: A2017008E001
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.7DEG
Operators:LSC
Test Date:2020-09-23

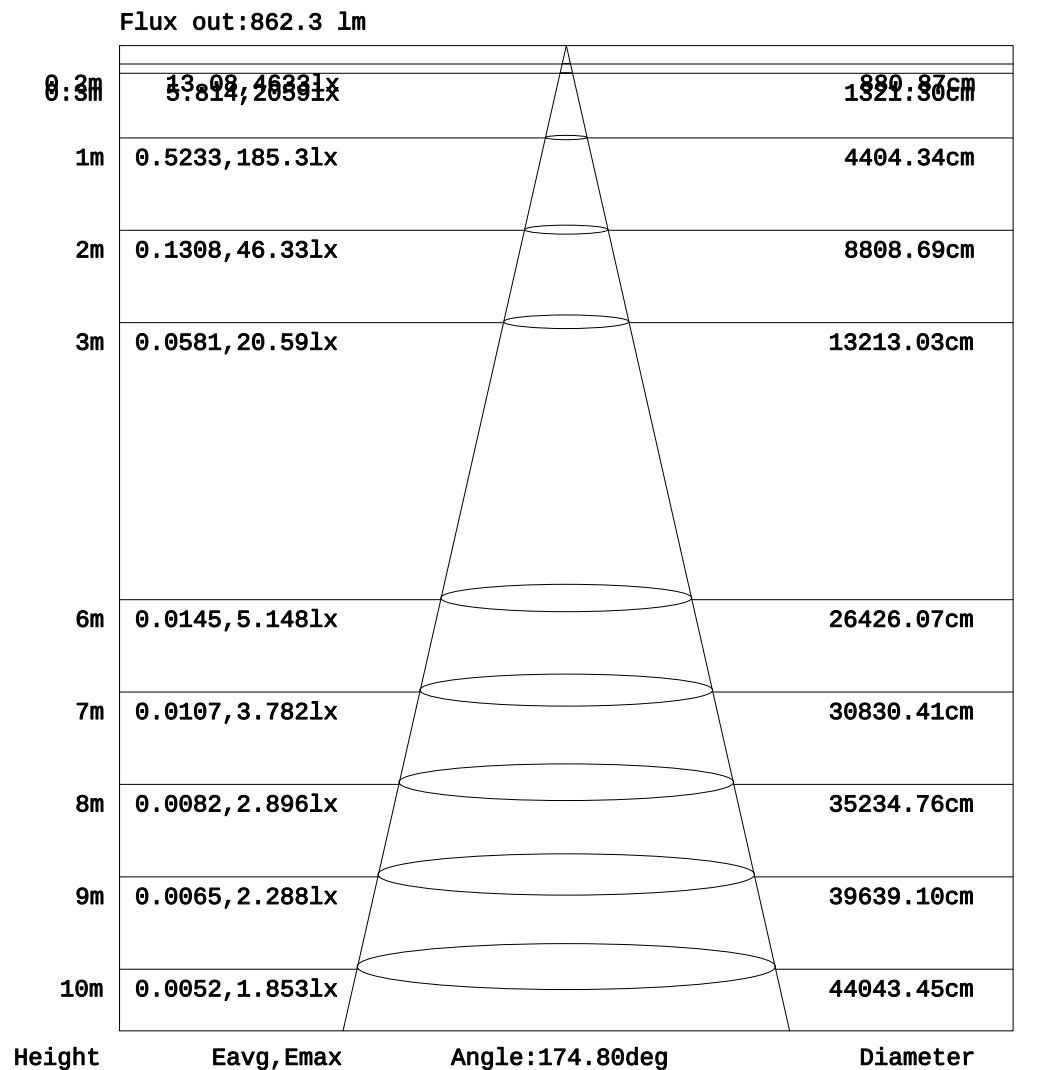
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.429
Humidity:48%
Test Distance:1.533m [K=1.0000]
Remarks:

Checker:

Assessor: LiHua

AAI Figure

Test:U:230.05V I:0.0833A P:10.784W PF:0.5625 Freq:50.00Hz Lamp Flux:1184.85x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_S_8cSA-A1060ST	DIM.:	SERIAL No.: A2017008E001
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:24.7DEG
 Operators:LSC
 Test Date:2020-09-23

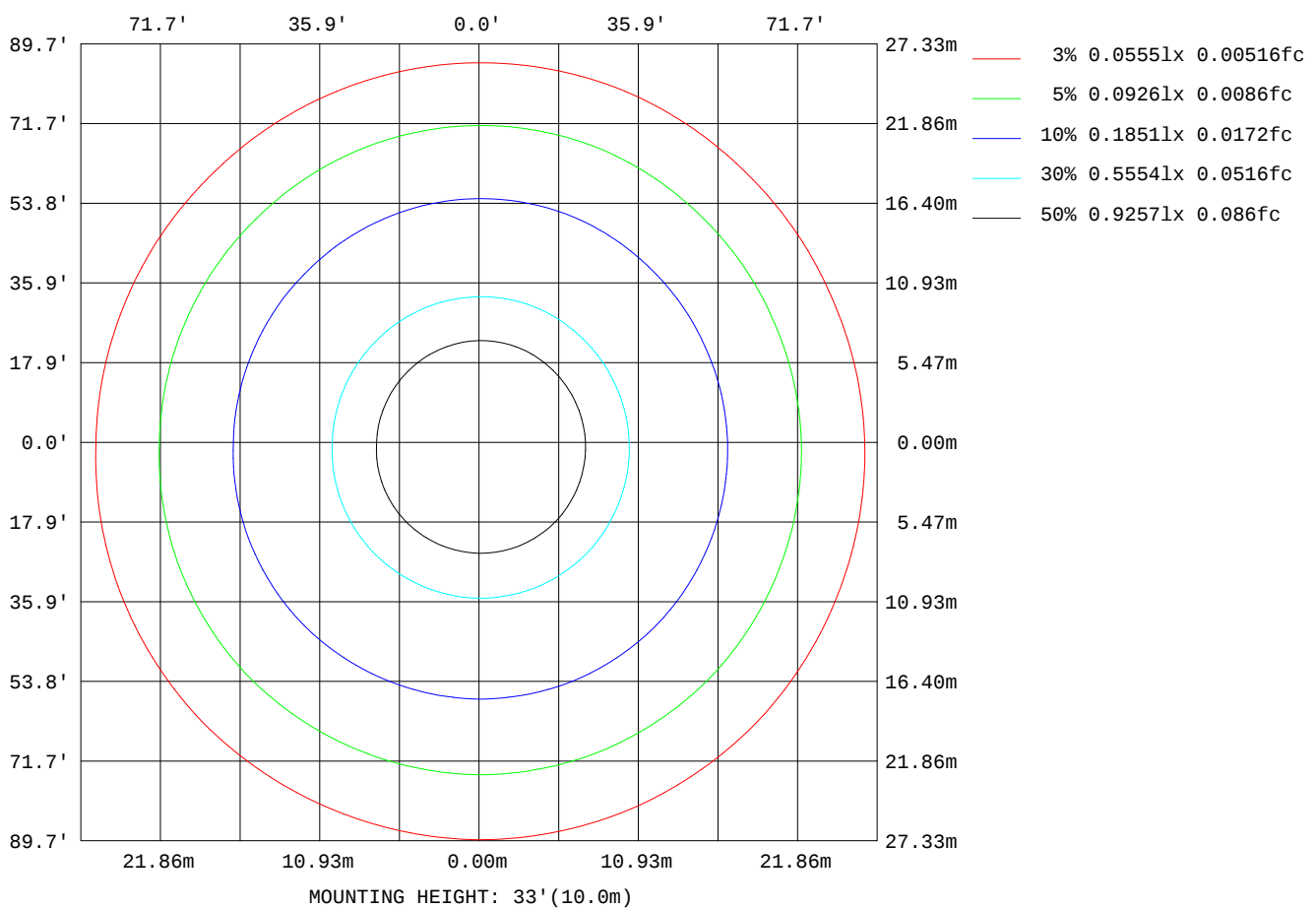
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.429
 Humidity:48%
 Test Distance:1.533m [K=1.0000]
 Remarks:

Checker:

Assessor: LiHua

ISOLUX DIAGRAM

Test:U:230.05V I:0.0833A P:10.784W PF:0.5625 Freq:50.00Hz Lamp Flux:1184.85x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_S_8cSA-A1060ST	DIM.:	SERIAL No.: A2017008E001
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.7DEG
 Operators: LSC
 Test Date: 2020-09-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.429
 Humidity: 48%
 Test Distance: 1.533m [K=1.0000]
 Remarks:

Checker:

Assessor: LiHua

LED Avg.L Report

Test:U:230.05V I:0.0833A P:10.784W PF:0.5625 Freq:50.00Hz Lamp Flux:1184.85x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_S_8cSA-A1060ST	DIM.:	SERIAL No.: A2017008E001
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	1025
L_0~180(75)av	1452
L_0~180(85)av	3653
L_90~270(65)av	1057
L_90~270(75)av	1494
L_90~270(85)av	3745
L_45(65)av	1041
L_45(75)av	1472
L_45(85)av	3697

Standard: GB/T 29293-2012

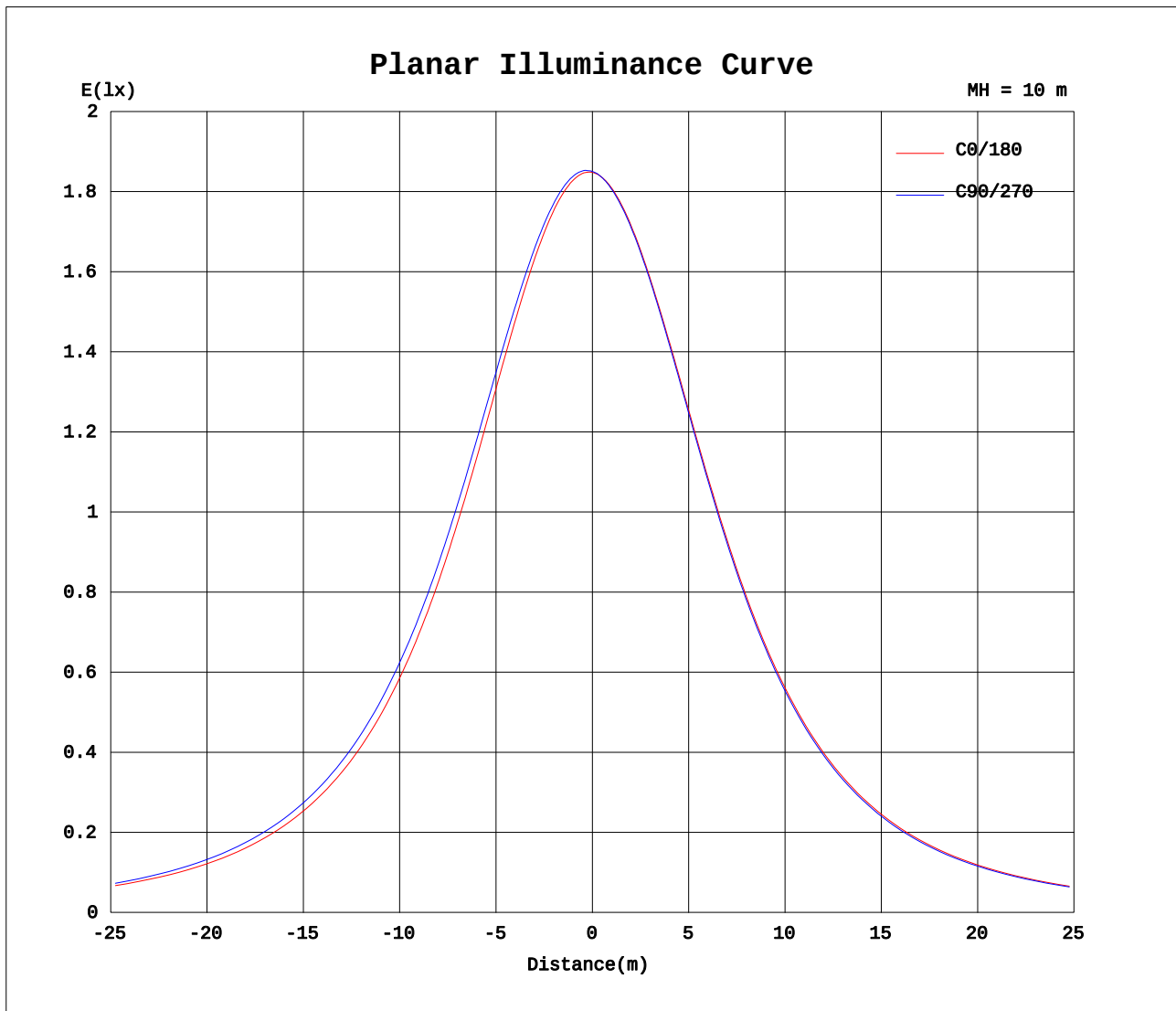
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.7DEG
Operators:LSC
Test Date:2020-09-23

Checker:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.429
Humidity:48%
Test Distance:1.533m [K=1.0000]
Remarks:

Assessor: LiHua

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.7DEG
Operators: LSC
Test Date: 2020-09-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.429
Humidity: 48%
Test Distance: 1.533m [K=1.0000]
Remarks:

Checker:

Assessor: LiHua

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.05V I:0.0833A P:10.784W PF:0.5625 Freq:50.00Hz Lamp Flux:1184.85x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: A60_S_8cSA-A1060ST	DIM.:	SERIAL No.: A2017008E001
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(°) \ γ (°)	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	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185			
5	186	186	186	187	186	186	185	185	184	183	183	183	184	184	185	185			
10	186	187	188	188	188	187	185	184	182	182	181	181	182	183	184	185			
15	186	187	188	189	188	187	185	183	181	179	179	179	180	181	183	185			
20	185	187	189	189	189	187	185	182	179	177	176	177	178	180	181	183			
25	184	186	188	189	189	187	184	180	176	174	173	174	175	177	178	181			
30	181	184	187	188	188	185	182	177	173	171	170	170	172	174	175	178			
35	177	180	184	186	185	182	179	174	169	166	165	166	168	169	170	173			
40	172	176	180	182	182	179	175	170	164	162	160	161	162	164	165	168			
45	166	170	174	177	177	174	170	164	159	156	154	155	157	158	159	161			
50	159	163	168	170	170	167	164	158	153	150	148	149	150	151	152	154			
55	151	155	160	163	163	160	157	152	146	143	141	142	143	144	144	146			
60	142	147	151	154	154	152	149	144	138	136	134	134	135	136	136	138			
65	134	138	142	145	145	143	141	136	130	128	126	126	127	128	127	129			
70	124	128	133	135	136	133	132	127	122	120	118	118	119	119	119	120			
75	115	119	123	125	126	124	122	119	114	111	109	109	110	111	110	111			
80	106	109	113	115	116	114	113	110	105	103	101	101	101	102	101	102			
85	97.3	100	103	105	106	104	104	101	96.7	94.9	93.0	93.0	93.3	93.6	92.6	93.9			
90	88.9	91.4	94.3	95.8	96.1	94.9	94.7	92.3	88.5	86.9	85.0	84.8	85.0	85.2	84.2	85.5			
95	80.5	82.6	85.4	86.7	87.0	86.0	86.0	84.0	80.5	79.0	77.3	77.0	77.1	77.4	76.4	77.5			
100	72.7	74.5	77.0	78.1	78.4	77.5	77.7	76.0	72.9	71.6	70.0	69.7	69.8	70.0	69.1	70.1			
105	65.4	67.0	69.1	70.2	70.4	69.6	69.9	68.5	65.6	64.5	63.0	62.7	62.8	63.0	62.1	63.0			
110	58.6	60.0	62.0	62.8	63.0	62.3	62.6	61.4	58.8	57.8	56.4	56.2	56.2	56.4	55.6	56.4			
115	52.3	53.5	55.3	56.0	56.1	55.5	55.9	54.8	52.4	51.5	50.2	50.0	50.0	50.3	49.5	50.2			
120	46.5	47.5	49.1	49.7	49.8	49.2	49.6	48.7	46.4	45.6	44.4	44.2	44.3	44.5	43.8	44.5			
125	41.0	41.9	43.4	43.9	44.0	43.5	43.8	43.0	40.9	40.1	39.1	38.8	38.9	39.1	38.5	39.1			
130	35.9	36.7	38.0	38.5	38.6	38.1	38.5	37.7	35.7	35.0	34.0	33.8	33.9	34.1	33.6	34.2			
135	31.2	31.9	33.1	33.6	33.6	33.2	33.5	32.8	30.9	30.3	29.4	29.2	29.2	29.5	29.0	29.5			
140	26.8	27.5	28.6	29.0	29.0	28.7	29.0	28.4	26.5	25.9	25.1	24.9	24.9	25.1	24.7	25.2			
145	22.8	23.4	24.4	24.7	24.8	24.5	24.8	24.2	22.4	21.9	21.2	21.0	21.0	21.2	20.7	21.2			
150	19.1	19.6	20.5	20.8	20.9	20.6	20.9	20.4	18.7	18.4	17.7	17.5	17.4	17.5	17.1	17.5			
155	15.7	16.2	17.0	17.3	17.4	17.2	17.5	16.9	15.4	15.1	14.4	14.1	14.1	14.0	13.5	13.8			
160	12.4	12.9	13.7	14.0	14.1	13.9	14.2	13.8	12.2	12.1	11.2	11.0	10.8	10.5	9.85	10.0			
165	8.94	9.60	10.5	10.8	10.9	10.8	11.1	10.7	9.11	9.04	8.03	7.73	7.20	6.96	5.80	5.93			
170	4.53	5.43	6.65	7.11	7.43	7.36	7.68	7.44	5.54	5.53	4.16	3.69	2.91	1.71	0.31	0.44			
175	0.30	0.30	0.31	1.04	1.71	1.85	3.31	2.57	0.25	0.25	0.25	0.25	0.26	0.26	0.27	0.27			
180	0.28	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.28	0.28	0.28	0.28	0.28	0.28	0.29	0.29			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.7DEG
Operators:LSC
Test Date:2020-09-23

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.429
Humidity:48%
Test Distance:1.533m [K=1.0000]
Remarks:

Checker:

Assessor: LiHua