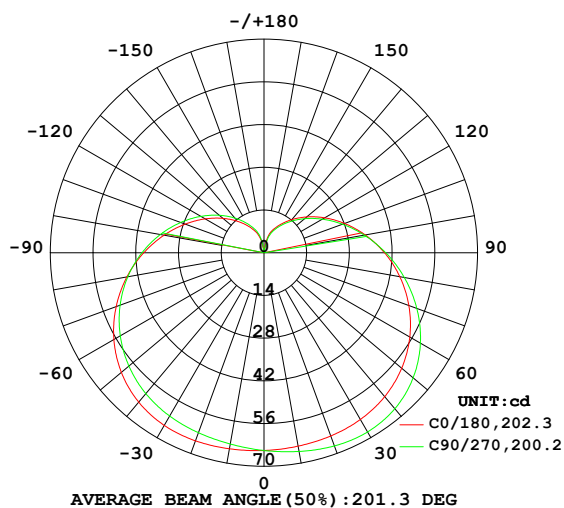


LUMINAIRE PHOTOMETRIC TEST REPORT

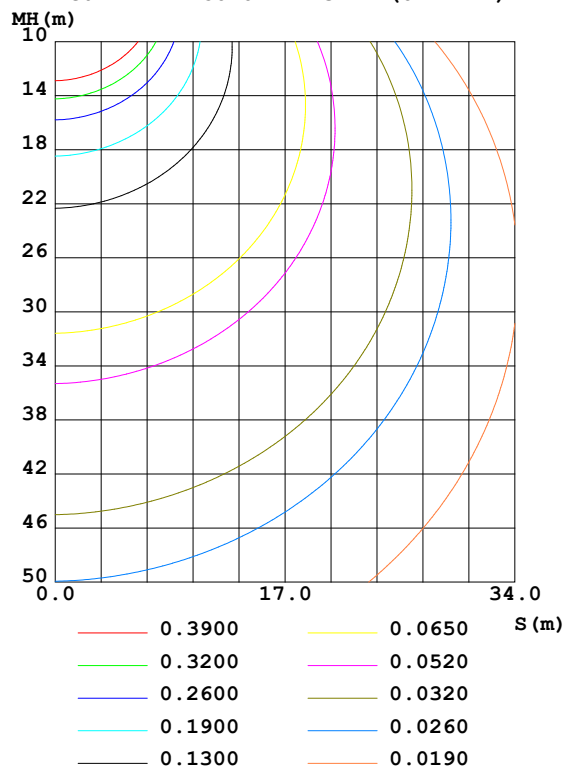
Test:U:230.07V I:0.0377A P:4.7097W PF:0.5437 Freq:50.00Hz Lamp Flux:488.485x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: P45 Bulb 4.9W, 470lm 30K E14, Non-dim	DIM.:	SERIAL No.: A2116079E001
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.72 lm/W			
MODEL		I _{max} (cd)	68.09	S/MH (C0/180)	1.53
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.45
RATED VOLTAGE (V)		TOTAL FLUX (lm)	488.48	η UP, DN (C0-180)	14.3, 36.2
NOMINAL FLUX (lm)	488.485	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	14.8, 34.7
LAMPS INSIDE	1	η up (%)	29.1	CIBSE SHR NOM	1.75
TEST VOLTAGE (V)		η down (%)	70.9	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: 25.1DEG
 Operators: lsc
 Test Date: 2021-12-01

Checker: HXP

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.429
 Humidity: 49%
 Test Distance: 1.528m [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	64.36	65.35	66.12	66.07	65.23	64.25	63.65	63.71	0- 10	6.187	6.187	1.27,1.27
20	63.90	65.80	67.39	67.28	65.60	63.74	62.77	62.83	10- 20	18.40	24.58	5.03,5.03
30	63.12	65.67	67.83	67.63	65.34	62.93	61.81	61.86	20- 30	29.98	54.56	11.2,11.2
40	61.56	64.39	66.72	66.41	63.88	61.30	60.25	60.28	30- 40	40.13	94.70	19.4,19.4
50	58.90	61.69	63.80	63.38	61.01	58.63	57.78	57.78	40- 50	47.86	142.6	29.2,29.2
60	55.17	57.53	59.18	58.72	56.80	54.94	54.39	54.35	50- 60	52.42	195.0	39.9,39.9
70	50.52	52.23	53.27	52.82	51.54	50.35	50.18	50.10	60- 70	53.51	248.5	50.9,50.9
80	45.19	46.20	46.68	46.24	45.62	45.10	45.31	45.20	70- 80	51.36	299.9	61.4,61.4
90	39.51	39.90	39.91	39.51	39.41	39.47	39.99	39.87	80- 90	46.58	346.4	70.9,70.9
100	33.70	33.64	33.40	33.05	33.27	33.76	34.52	34.39	90-100	40.04	386.5	79.1,79.1
110	28.11	27.79	27.40	27.10	27.51	28.22	29.08	28.96	100-110	32.64	419.1	85.8,85.8
120	22.95	22.49	22.06	21.80	22.25	23.05	23.90	23.81	110-120	25.21	444.3	91,91
130	18.30	17.80	17.40	17.15	17.56	18.33	19.14	19.08	120-130	18.34	462.7	94.7,94.7
140	14.19	13.72	13.37	13.14	13.48	14.14	14.85	14.86	130-140	12.42	475.1	97.3,97.3
150	10.67	10.27	9.958	9.740	9.981	10.47	11.08	11.19	140-150	7.674	482.8	98.8,98.8
160	7.714	7.321	6.885	6.784	6.998	7.343	7.852	8.062	150-160	4.146	486.9	99.7,99.7
170	2.409	1.477	0.4171	0.5080	1.441	2.330	3.222	3.525	160-170	1.546	488.4	100,100
180	0.1011	0.1039	0.1037	0.1032	0.1026	0.1037	0.1041	0.1038	170-180	0.0413	488.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

Conical surface Flux(90deg): 117.85 lm

%lum = 24.1%

%lamp = 24.1%

Conical surface Flux(120deg): 194.98 lm

%lum = 39.9%

%lamp = 39.9%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:lsc
 Test Date:2021-12-01

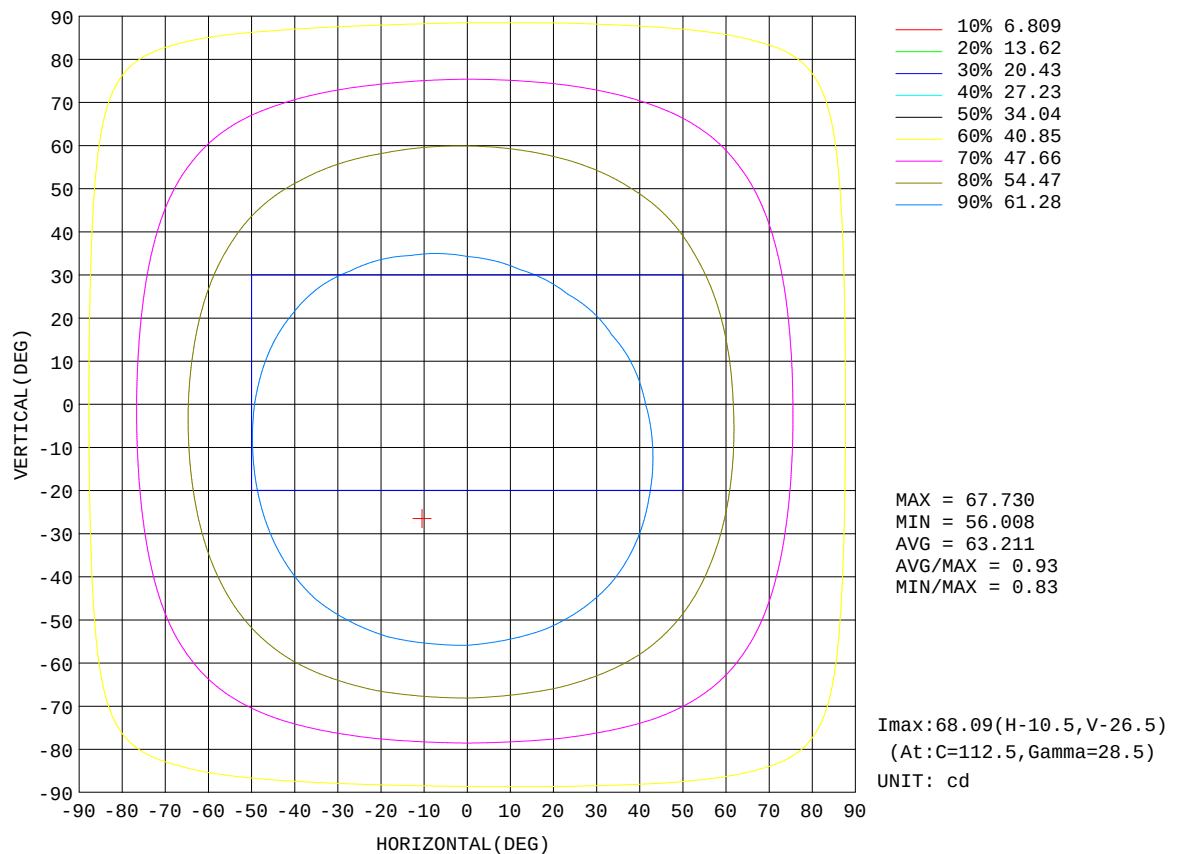
Checker: HXP

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.429
 Humidity:49%
 Test Distance:1.528m [K=1.0000]
 Remarks:

Assessor:

ISOCANDELA DIAGRAM

Test:U:230.07V I:0.0377A P:4.7097W PF:0.5437 Freq:50.00Hz Lamp Flux:488.485x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: P45 Bulb 4.9W, 470lm 30K E14, Non-dim	DIM.:	SERIAL No.: A2116079E001
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: lsc
 Test Date: 2021-12-01

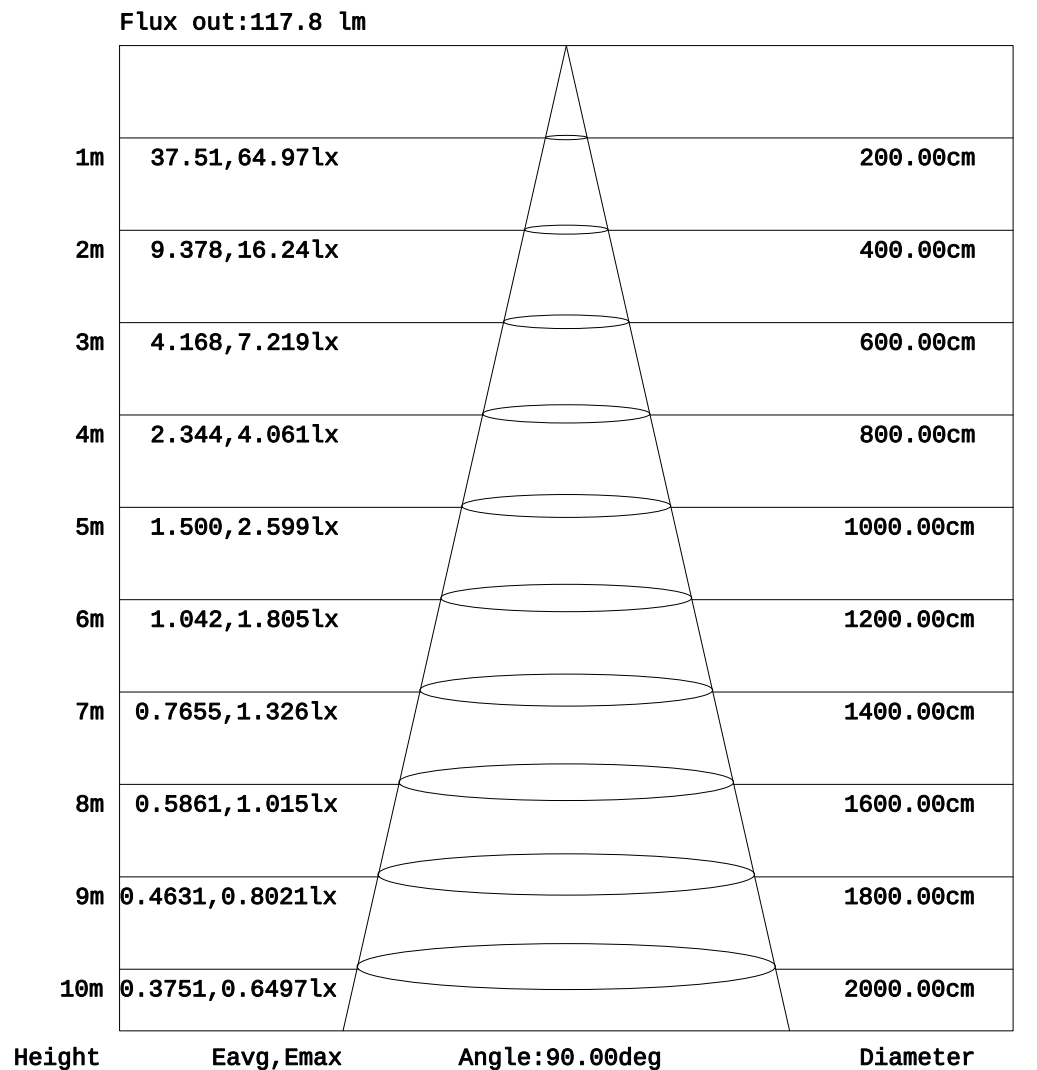
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.429
 Humidity: 49%
 Test Distance: 1.528m [K=1.0000]
 Remarks:

Checker: HXP

Assessor:

AAI Figure

Test:U:230.07V I:0.0377A P:4.7097W PF:0.5437 Freq:50.00Hz Lamp Flux:488.485x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: P45 Bulb 4.9W, 470lm 30K E14, Non-dim	DIM.:	SERIAL No.: A2116079E001
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: 25.1DEG
 Operators: lsc
 Test Date: 2021-12-01

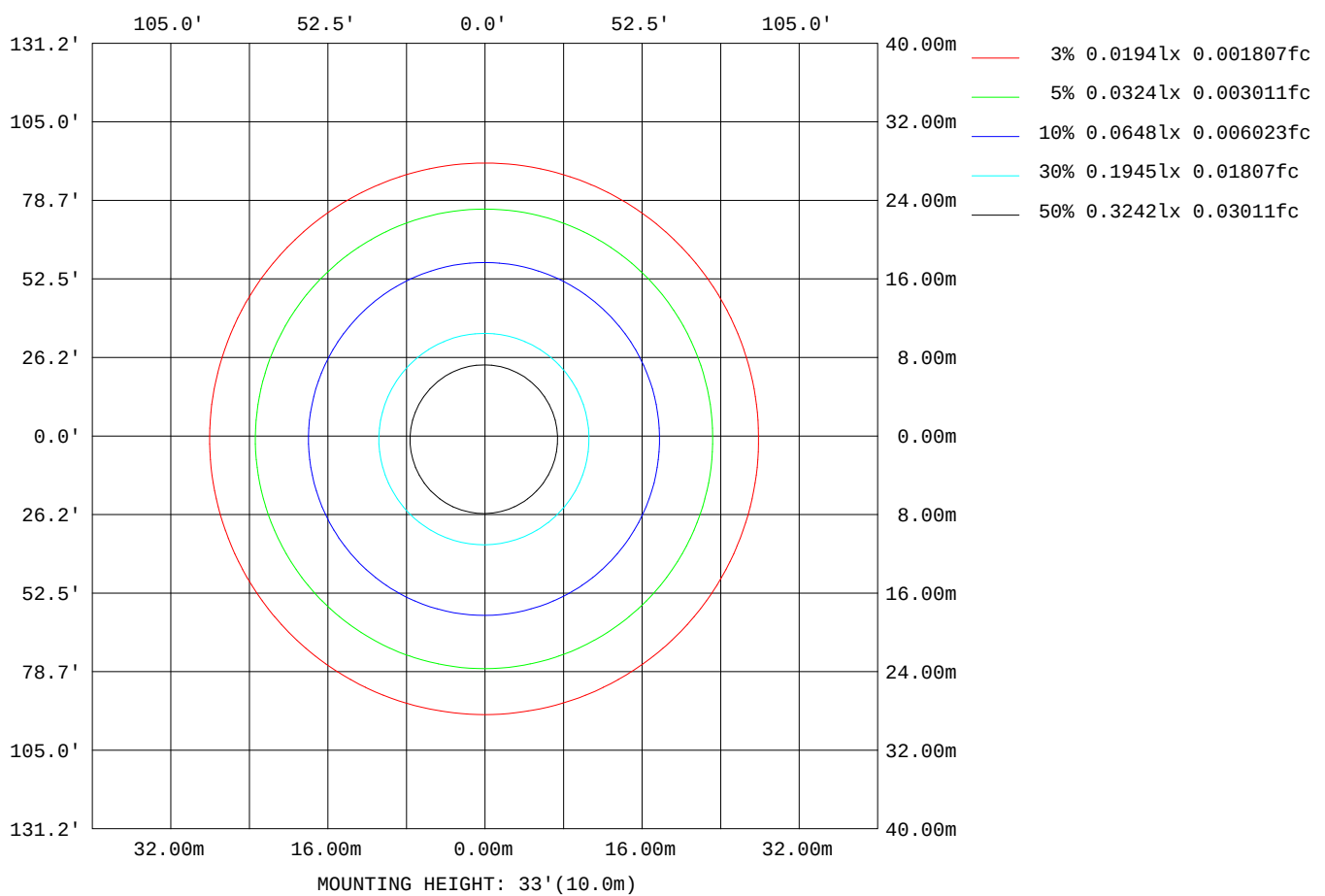
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.429
 Humidity: 49%
 Test Distance: 1.528m [K=1.0000]
 Remarks:

Checker: HXP

Assessor:

ISOLUX DIAGRAM

Test:U:230.07V I:0.0377A P:4.7097W PF:0.5437 Freq:50.00Hz Lamp Flux:488.485x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: P45 Bulb 4.9W, 470lm 30K E14, Non-dim	DIM.:	SERIAL No.: A2116079E001
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: lsc
 Test Date: 2021-12-01

Checker: HXP

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.429
 Humidity: 49%
 Test Distance: 1.528m [K=1.0000]
 Remarks:

Assessor:

LED Avg.L Report

Test:U:230.07V I:0.0377A P:4.7097W PF:0.5437 Freq:50.00Hz Lamp Flux:488.485x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: P45 Bulb 4.9W, 470lm 30K E14, Non-dim	DIM.:	SERIAL No.: A2116079E001
MFR.:	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	9562
L_0~180 (75) av	14059
L_0~180 (85) av	36717
L_90~270 (65) av	9697
L_90~270 (75) av	14247
L_90~270 (85) av	37179
L_45 (65) av	9629
L_45 (75) av	14150
L_45 (85) av	36927

Standard: GB/T 29293-2012

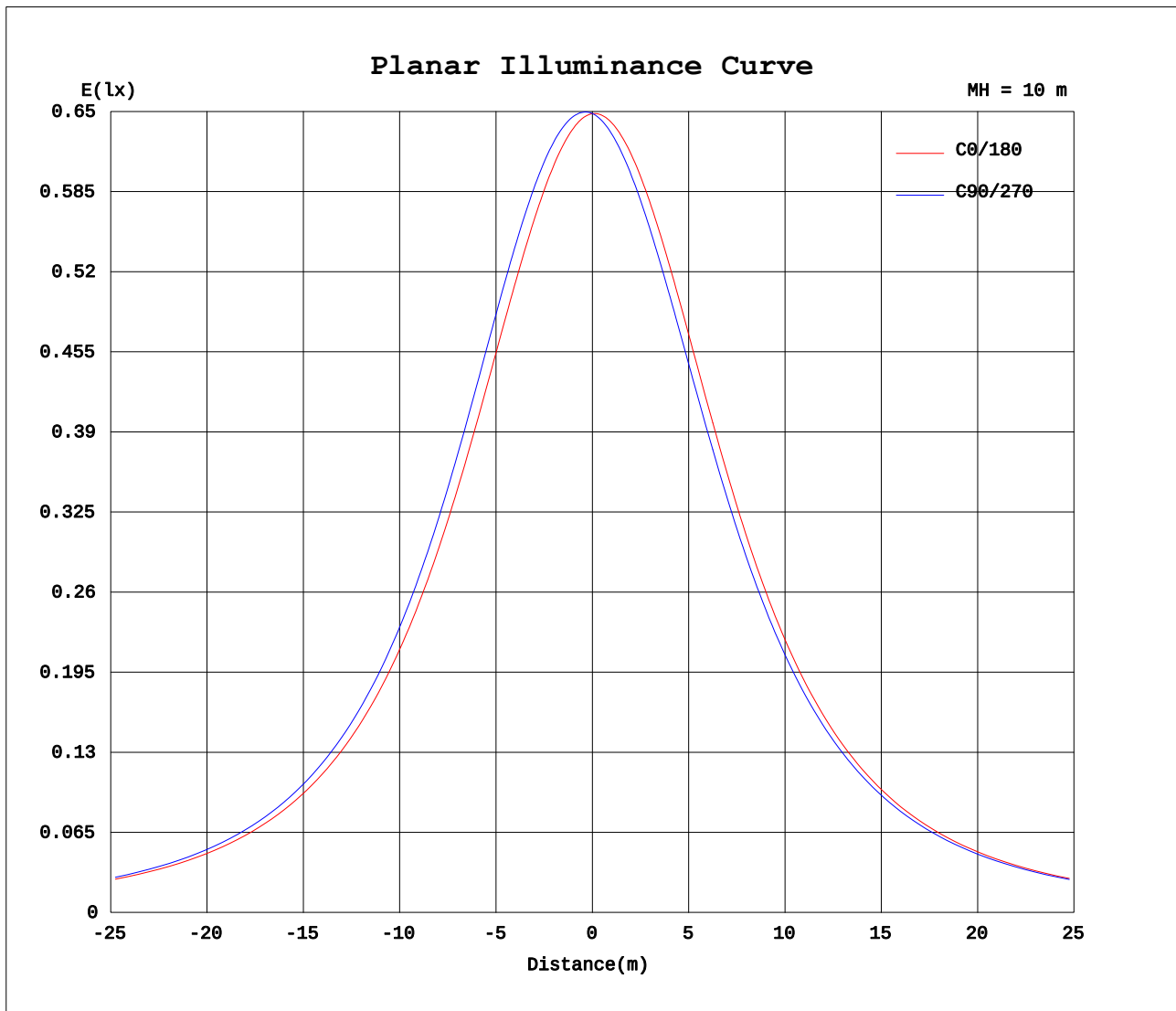
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:lsc
 Test Date:2021-12-01

Checker: HXP

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.429
 Humidity:49%
 Test Distance:1.528m [K=1.0000]
 Remarks:

Assessor:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: lsc
Test Date: 2021-12-01

Checker: HXP

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.429
Humidity: 49%
Test Distance: 1.528m [K=1.0000]
Remarks:

Assessor:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.07V I:0.0377A P:4.7097W PF:0.5437 Freq:50.00Hz Lamp Flux:488.485x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.: P45 Bulb 4.9W, 470lm 30K E14, Non-dim	DIM.:	SERIAL No.: A2116079E001
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	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8			
5	64.6	64.8	65.1	65.3	65.4	65.5	65.4	65.2	65.0	64.8	64.5	64.3	64.2	64.2	64.2	64.4			
10	64.4	64.8	65.4	65.8	66.1	66.2	66.1	65.7	65.2	64.7	64.2	63.9	63.7	63.6	63.7	64.0			
15	64.1	64.8	65.6	66.3	66.8	66.9	66.7	66.2	65.4	64.7	64.0	63.5	63.2	63.1	63.3	63.6			
20	63.9	64.8	65.8	66.7	67.4	67.6	67.3	66.6	65.6	64.6	63.7	63.1	62.8	62.7	62.8	63.3			
25	63.6	64.6	65.8	67.0	67.8	68.0	67.6	66.7	65.6	64.4	63.4	62.7	62.3	62.2	62.4	62.9			
30	63.1	64.3	65.7	66.9	67.8	68.1	67.6	66.6	65.3	64.0	62.9	62.2	61.8	61.7	61.9	62.3			
35	62.5	63.7	65.2	66.6	67.5	67.7	67.2	66.1	64.8	63.4	62.2	61.5	61.1	61.0	61.2	61.6			
40	61.6	62.9	64.4	65.8	66.7	66.9	66.4	65.3	63.9	62.4	61.3	60.6	60.3	60.2	60.3	60.7			
45	60.4	61.7	63.2	64.6	65.5	65.7	65.1	64.0	62.6	61.2	60.1	59.4	59.1	59.0	59.1	59.6			
50	58.9	60.2	61.7	63.0	63.8	63.9	63.4	62.3	61.0	59.7	58.6	58.0	57.8	57.7	57.8	58.2			
55	57.2	58.4	59.8	61.0	61.7	61.8	61.2	60.2	59.1	57.8	56.9	56.4	56.2	56.1	56.2	56.5			
60	55.2	56.3	57.5	58.6	59.2	59.2	58.7	57.8	56.8	55.7	54.9	54.5	54.4	54.3	54.4	54.6			
65	52.9	53.9	55.0	55.9	56.4	56.4	55.9	55.1	54.3	53.4	52.7	52.4	52.4	52.3	52.3	52.5			
70	50.5	51.3	52.2	52.9	53.3	53.2	52.8	52.1	51.5	50.8	50.4	50.2	50.2	50.2	50.1	50.2			
75	47.9	48.5	49.3	49.8	50.0	49.9	49.6	49.0	48.6	48.1	47.8	47.7	47.8	47.8	47.7	47.7			
80	45.2	45.6	46.2	46.6	46.7	46.6	46.2	45.8	45.6	45.3	45.1	45.2	45.3	45.3	45.2	45.1			
85	42.4	42.6	43.1	43.3	43.3	43.1	42.9	42.6	42.5	42.3	42.3	42.5	42.7	42.7	42.6	42.4			
90	39.5	39.6	39.9	40.0	39.9	39.7	39.5	39.3	39.4	39.4	39.5	39.7	40.0	40.0	39.9	39.6			
95	36.6	36.6	36.7	36.7	36.6	36.4	36.2	36.1	36.3	36.4	36.6	37.0	37.3	37.3	37.1	36.8			
100	33.7	33.6	33.6	33.6	33.4	33.2	33.0	33.0	33.3	33.5	33.8	34.2	34.5	34.6	34.4	34.0			
105	30.9	30.7	30.7	30.5	30.3	30.1	30.0	30.0	30.3	30.6	31.0	31.4	31.8	31.9	31.6	31.3			
110	28.1	27.9	27.8	27.6	27.4	27.2	27.1	27.1	27.5	27.8	28.2	28.7	29.1	29.2	29.0	28.6			
115	25.5	25.2	25.1	24.9	24.7	24.4	24.4	24.4	24.8	25.1	25.6	26.1	26.4	26.5	26.3	25.9			
120	22.9	22.7	22.5	22.3	22.1	21.9	21.8	21.9	22.2	22.6	23.0	23.5	23.9	24.0	23.8	23.4			
125	20.6	20.3	20.1	19.9	19.7	19.5	19.4	19.5	19.8	20.2	20.6	21.1	21.5	21.6	21.4	21.0			
130	18.3	18.0	17.8	17.6	17.4	17.2	17.2	17.2	17.6	17.9	18.3	18.8	19.1	19.2	19.1	18.7			
135	16.2	15.9	15.7	15.5	15.3	15.2	15.1	15.1	15.4	15.8	16.2	16.6	16.9	17.0	16.9	16.6			
140	14.2	13.9	13.7	13.5	13.4	13.2	13.1	13.2	13.5	13.8	14.1	14.5	14.9	15.0	14.9	14.6			
145	12.4	12.1	11.9	11.7	11.6	11.4	11.4	11.4	11.7	11.9	12.2	12.6	12.9	13.0	12.9	12.7			
150	10.7	10.4	10.3	10.1	9.96	9.82	9.74	9.77	9.98	10.2	10.5	10.8	11.1	11.2	11.2	11.0			
155	9.13	8.93	8.76	8.59	8.44	8.31	8.22	8.25	8.44	8.56	8.84	9.14	9.41	9.56	9.56	9.44			
160	7.71	7.54	7.32	7.07	6.89	6.74	6.78	6.74	7.00	7.08	7.34	7.60	7.85	8.00	8.06	7.97			
165	5.95	5.69	5.27	4.96	4.79	4.44	4.79	4.69	5.12	5.18	5.37	5.77	6.08	6.18	6.34	6.27			
170	2.41	1.89	1.48	0.58	0.42	0.31	0.51	0.76	1.44	1.55	2.33	2.81	3.22	3.22	3.53	3.08			
175	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09			
180	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:lsc
Test Date:2021-12-01

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.429
Humidity:49%
Test Distance:1.528m [K=1.0000]
Remarks:

Checker: HXP

Assessor: