

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

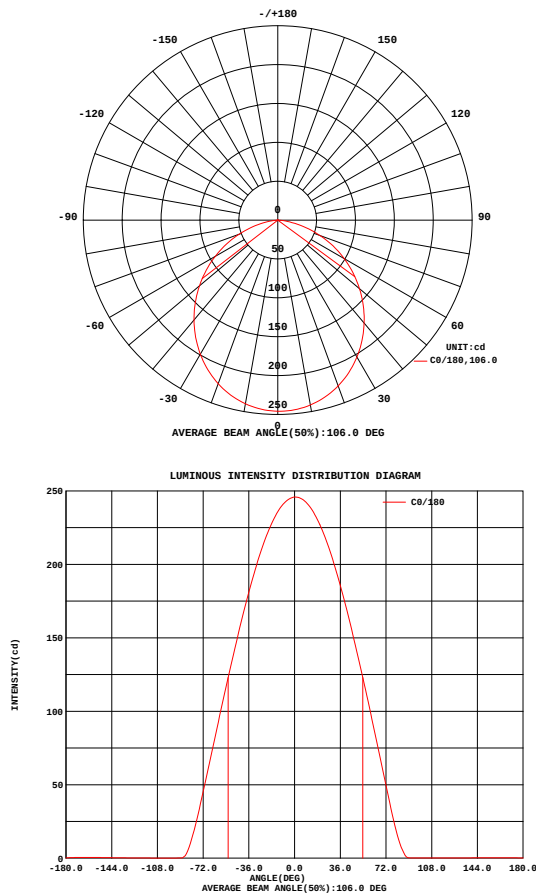


Fig. C0/C180

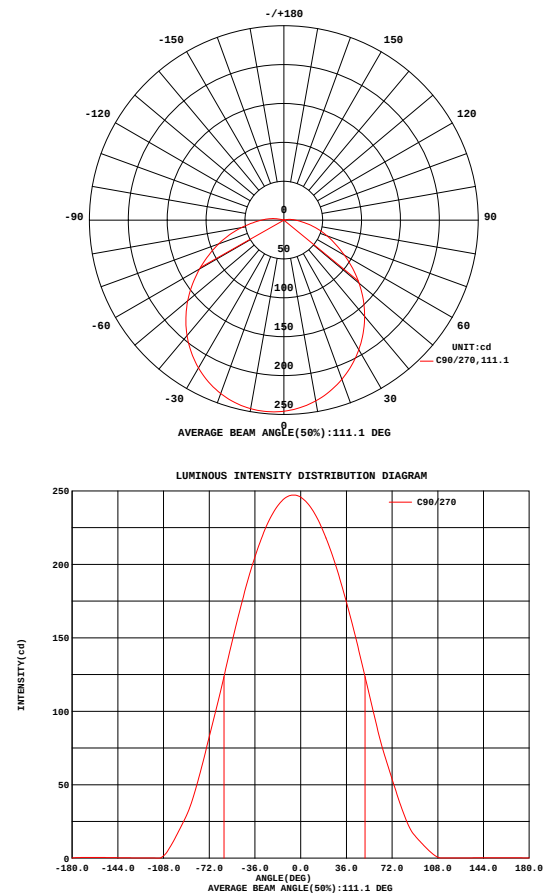


Fig. C90/C270

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: YT
Test Date: 2023-11-04

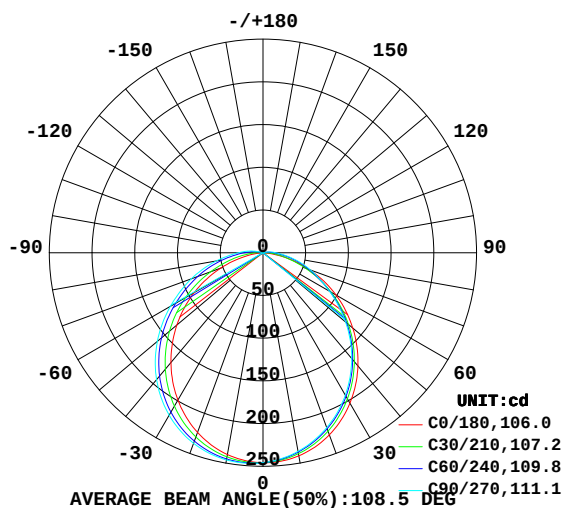
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.362
Humidity: 52.2%
Test Distance: 1.200m [K=0.9640]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

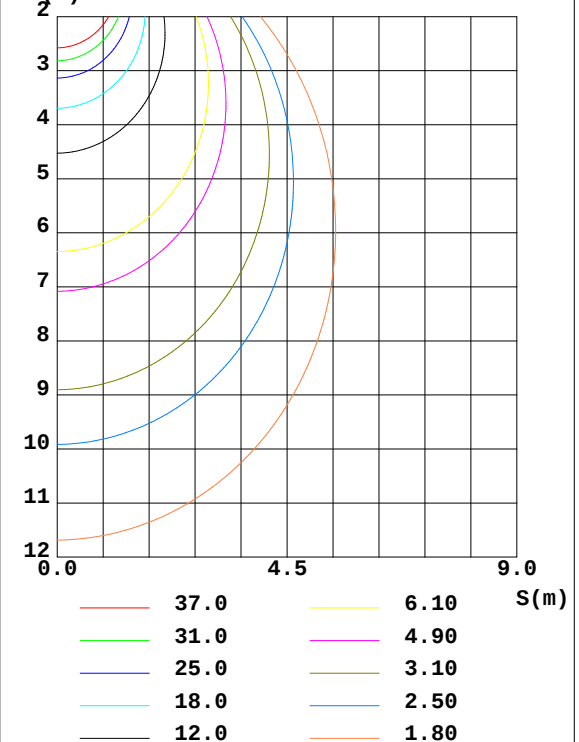
NAME: 圆角LED单头感应太阳能灯	TYPE: 6922201330	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: B2023110403
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.74 lm/W			
MODEL		I _{max} (cd)	247.2	S/MH(C0/180)	1.24
NOMINAL POWER(W)	4.98	LOR(%)	100.0	S/MH(C90/270)	1.18
RATED VOLTAGE(V)	3	TOTAL FLUX(lm)	700.87	η UP, DN(C0-180)	0.9, 53.1
NOMINAL FLUX(lm)	700.869	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.5, 45.5
LAMPS INSIDE	1	η up(%)	1.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	3	η down(%)	98.5	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



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Test Date: 2023-11-04

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γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.362
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ZONAL FLUX DIAGRAM

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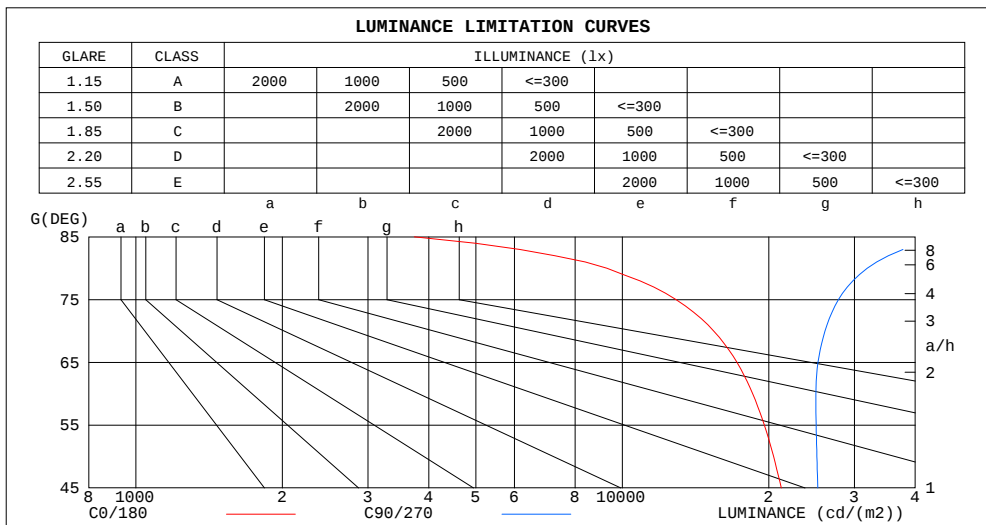
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	239.8	243.9	246.3	244.8	241.4	237.8	236.1	236.7	0- 10	23.22	23.22	3.31, 3.31
20	223.9	232.3	237.4	234.2	226.9	220.7	218.0	218.8	10- 20	66.23	89.45	12.8, 12.8
30	199.2	211.7	219.6	214.5	203.5	195.7	192.7	193.0	20- 30	99.53	189.0	27, 27
40	167.7	183.4	193.8	187.0	172.8	164.5	161.6	161.2	30- 40	118.6	307.5	43.9, 43.9
50	131.6	149.2	161.4	153.3	137.2	128.9	126.3	125.1	40- 50	121.1	428.7	61.2, 61.2
60	92.65	111.4	125.0	115.6	98.46	90.78	89.70	86.96	50- 60	107.6	536.3	76.5, 76.5
70	52.70	73.49	89.29	76.63	57.79	54.38	59.33	51.31	60- 70	81.70	618.0	88.2, 88.2
80	16.14	40.08	55.35	42.07	18.97	26.89	33.08	24.59	70- 80	50.41	668.4	95.4, 95.4
90	0.1799	15.78	28.87	16.96	0.2298	9.516	15.27	7.809	80- 90	22.23	690.7	98.5, 98.5
100	0.0811	2.730	11.75	3.124	0.1545	1.926	6.050	1.107	90-100	7.910	698.6	99.7, 99.7
110	0.0963	0.1021	0.2990	0.1052	0.1341	0.1327	0.1713	0.1254	100-110	1.349	699.9	99.9, 99.9
120	0.1370	0.1312	0.1294	0.1368	0.1548	0.1623	0.1697	0.1609	110-120	0.1301	700.0	99.9, 99.9
130	0.1994	0.1912	0.1873	0.1918	0.1844	0.1913	0.1995	0.1945	120-130	0.1516	700.2	99.9, 99.9
140	0.2896	0.2794	0.2739	0.2781	0.2182	0.2251	0.2322	0.2303	130-140	0.1709	700.4	99.9, 99.9
150	0.4048	0.3938	0.3884	0.3925	0.2589	0.2645	0.2699	0.2694	140-150	0.1817	700.6	100, 100
160	0.5080	0.4995	0.4964	0.5008	0.2976	0.2998	0.3020	0.3034	150-160	0.1695	700.7	100, 100
170	0.5023	0.4990	0.4998	0.5024	0.2835	0.2794	0.2781	0.2774	160-170	0.1154	700.8	100, 100
180	0.2005	0.2030	0.2052	0.2047	0.2170	0.2174	0.2194	0.2189	170-180	0.0323	700.9	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:YT
Test Date:2023-11-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.362
Humidity:52.2%
Test Distance:1.200m [K=0.9640]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: 圆角LED单头感应太阳能灯	TYPE: 6922201330	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: B2023110403
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3739	46171
80	9295	31872
75	12892	27821
70	15408	26106
65	17207	25246
60	18531	24998
55	19586	25028
50	20468	25116
45	21215	25217

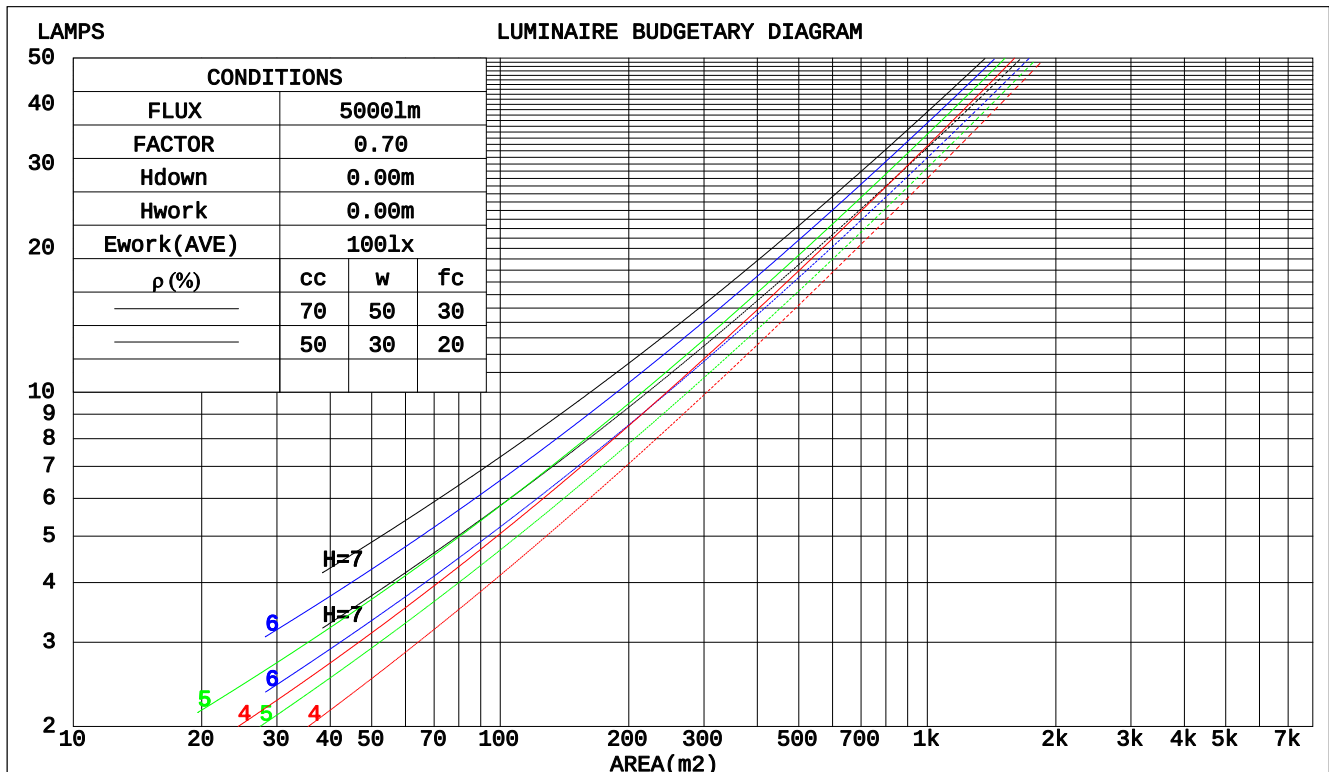
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Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 圆角LED单头感应太阳能灯	TYPE: 6922201330	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: B2023110403
MFR.:	SUR.:	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.03	.98	.94	1.00	.96	.93	.96	.93	.89	.92	.89	.86	.88	.86	.84	.81
2.0	.90	.83	.77	.88	.81	.76	.84	.78	.74	.80	.76	.72	.77	.73	.70	.68
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.60	.68	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.53	.65	.58	.53	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.46	.61	.53	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.45	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



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Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.362
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Remarks:

WEC AND CCEC

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MFR.:	SUR.:	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.202	.202	.202	.172	.172	.172	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.192	.167	.145	.165	.144	.124	.113	.099	.086	.065	.057	.050	.021	.018	.016	
2.0	.184	.143	.109	.158	.123	.094	.108	.085	.066	.062	.050	.038	.020	.016	.013	
3.0	.176	.126	.085	.151	.108	.074	.104	.075	.052	.060	.044	.031	.019	.014	.010	
4.0	.169	.112	.070	.145	.097	.060	.099	.068	.043	.058	.040	.025	.019	.013	.008	
5.0	.161	.102	.058	.138	.088	.051	.095	.062	.036	.055	.036	.021	.018	.012	.007	
6.0	.154	.094	.051	.132	.081	.044	.091	.057	.031	.053	.033	.019	.017	.011	.006	
7.0	.147	.087	.045	.126	.075	.039	.087	.053	.028	.051	.031	.016	.016	.010	.005	
8.0	.140	.081	.040	.121	.070	.035	.084	.049	.025	.049	.029	.015	.016	.010	.005	
9.0	.134	.076	.037	.116	.066	.032	.080	.046	.023	.047	.027	.014	.015	.009	.004	
10.0	.129	.072	.034	.111	.062	.030	.077	.044	.021	.045	.026	.013	.015	.009	.004	

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 Humidity: 52.2%
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 Remarks:

UGR(Unified Glare Rating) Table

NAME: 圆角LED单头感应太阳能灯					TYPE:6922201330					WEIGHT:				
SPEC.:					DIM.:					SERIAL No.:B2023110403				
MFR.:					SUR.:					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					23.2	24.7	23.5	24.9	25.1	24.3	25.8	24.6	26.1	26.3
3H					24.5	25.8	24.8	26.1	26.4	26.2	27.6	26.6	27.9	28.2
4H					24.9	26.2	25.2	26.5	26.8	27.2	28.5	27.5	28.8	29.1
6H					25.1	26.4	25.5	26.7	27.0	28.1	29.3	28.4	29.6	29.9
8H					25.1	26.3	25.5	26.6	27.0	28.5	29.7	28.9	30.1	30.4
12H					25.1	26.3	25.5	26.6	26.9	29.0	30.2	29.4	30.5	30.8
4H 2H					24.0	25.3	24.3	25.6	25.9	24.9	26.2	25.2	26.5	26.7
3H					25.5	26.6	25.8	26.9	27.3	27.0	28.1	27.4	28.5	28.8
4H					26.0	27.1	26.4	27.4	27.8	28.1	29.1	28.5	29.5	29.9
6H					26.4	27.3	26.8	27.7	28.1	29.2	30.1	29.6	30.5	30.9
8H					26.4	27.3	26.9	27.7	28.1	29.8	30.6	30.2	31.0	31.5
12H					26.4	27.3	26.9	27.7	28.1	30.4	31.2	30.8	31.6	32.0
8H 4H					26.6	27.4	27.0	27.8	28.3	28.3	29.2	28.8	29.6	30.0
6H					27.1	27.9	27.6	28.3	28.8	29.7	30.4	30.1	30.8	31.3
8H					27.3	28.0	27.8	28.4	28.9	30.4	31.1	30.9	31.5	32.0
12H					27.4	27.9	27.9	28.4	28.9	31.2	31.8	31.7	32.3	32.8
12H 4H					26.7	27.5	27.1	27.9	28.3	28.3	29.2	28.8	29.6	30.0
6H					27.4	28.0	27.8	28.5	29.0	29.7	30.4	30.2	30.8	31.3
8H					27.6	28.2	28.1	28.7	29.2	30.5	31.1	31.0	31.6	32.1
Variations with the observer position at spacings:														
S = 1.0H					+ 0.2 / - 0.2					+ 0.1 / - 0.1				
1.5H					+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H					+ 0.2 / - 0.4					+ 0.1 / - 0.3				

CIE Pub.117, 700.9 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.2)
Area: 0.01 m2

C Range: 0 - 360DEG
C Interval: 10.0DEG
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Temperature:25.1DEG
Operators:YT
Test Date:2023-11-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.0.362
Humidity:52.2%
Test Distance:1.200m [K=0.9640]
Remarks:

UTILIZATION FACTORS TABLE

NAME: 圆角LED单头感应太阳能灯	TYPE: 6922201330	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: B2023110403
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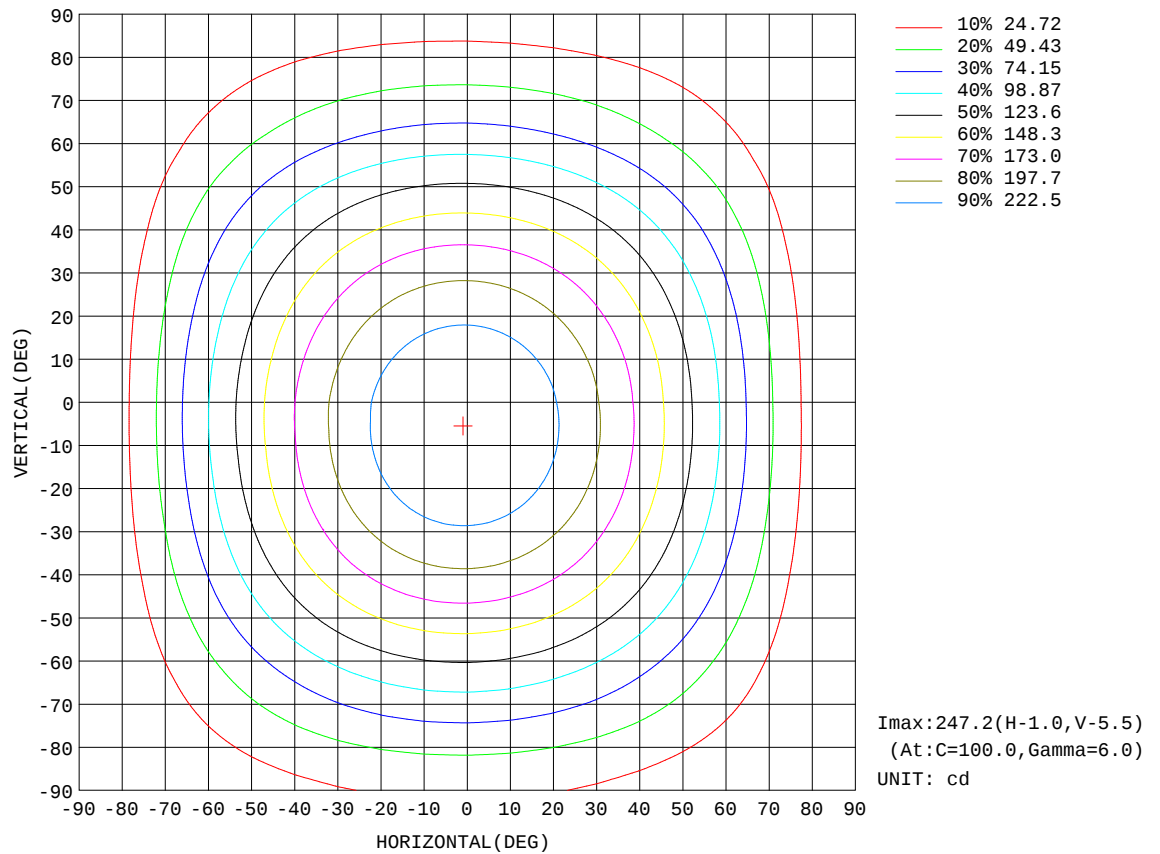
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	48
1.25	82	71	64	81	71	64	78	69	63	56
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	78	92	84	78	88	81	76	68
2.50	98	90	83	96	88	82	92	86	81	72
3.00	101	94	88	99	92	87	95	89	85	76
4.00	105	99	94	103	97	93	98	94	90	81
5.00	108	102	98	105	100	96	100	97	93	84
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25		

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 Remarks:

ISOCANDELA DIAGRAM

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MFR.:	SUR.:	Shielding Angle:

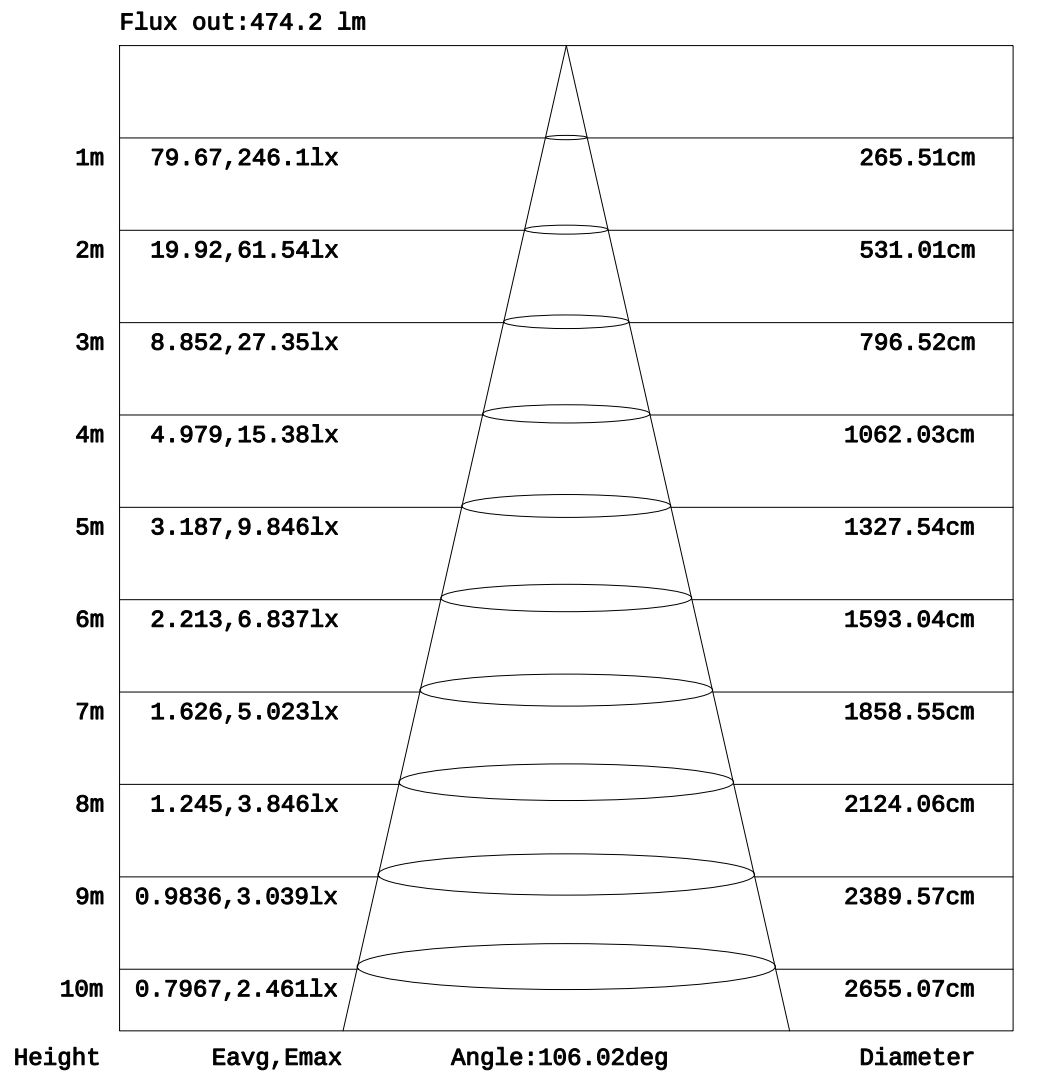


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AAI Figure

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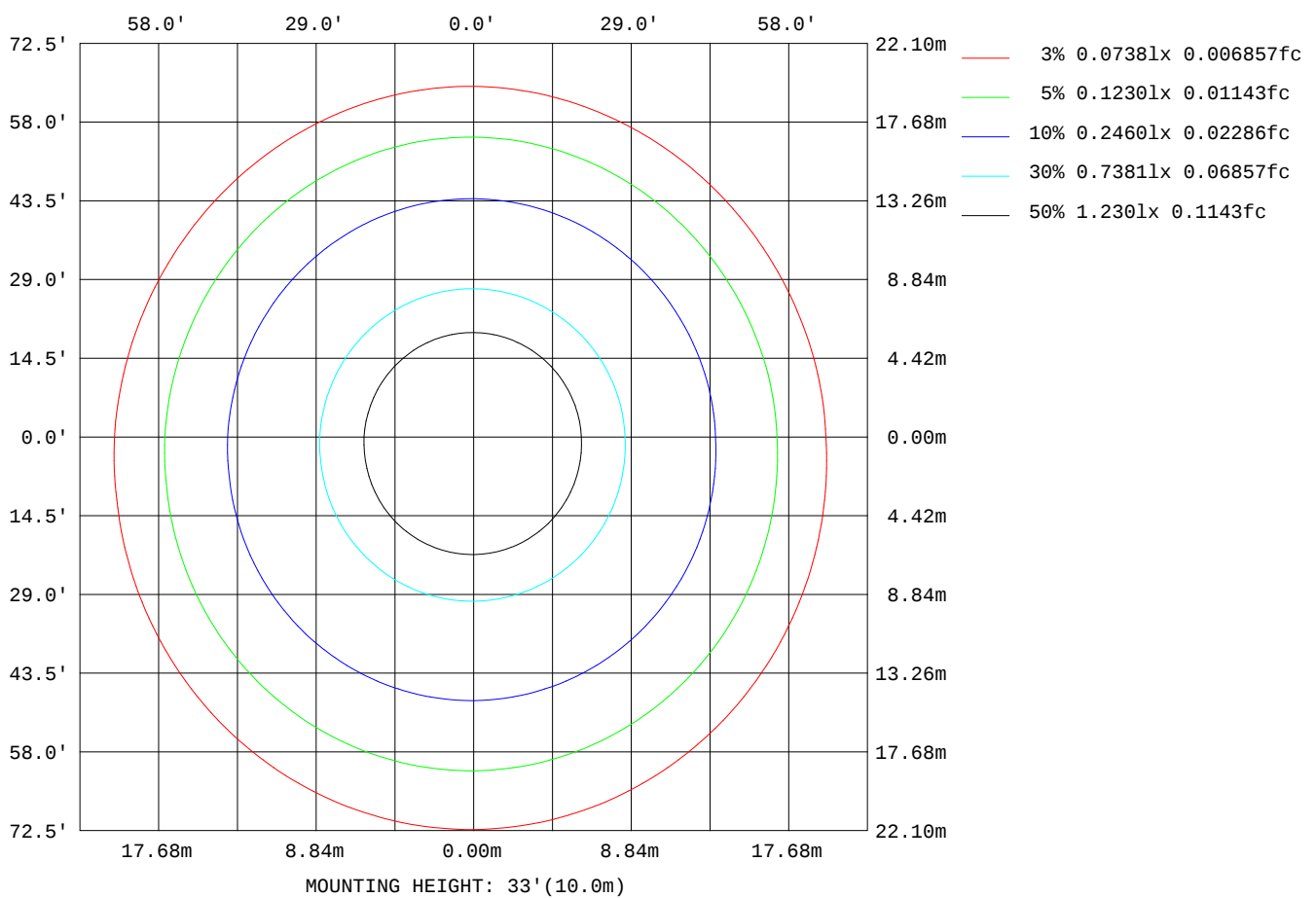
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

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LED Avg.L Report

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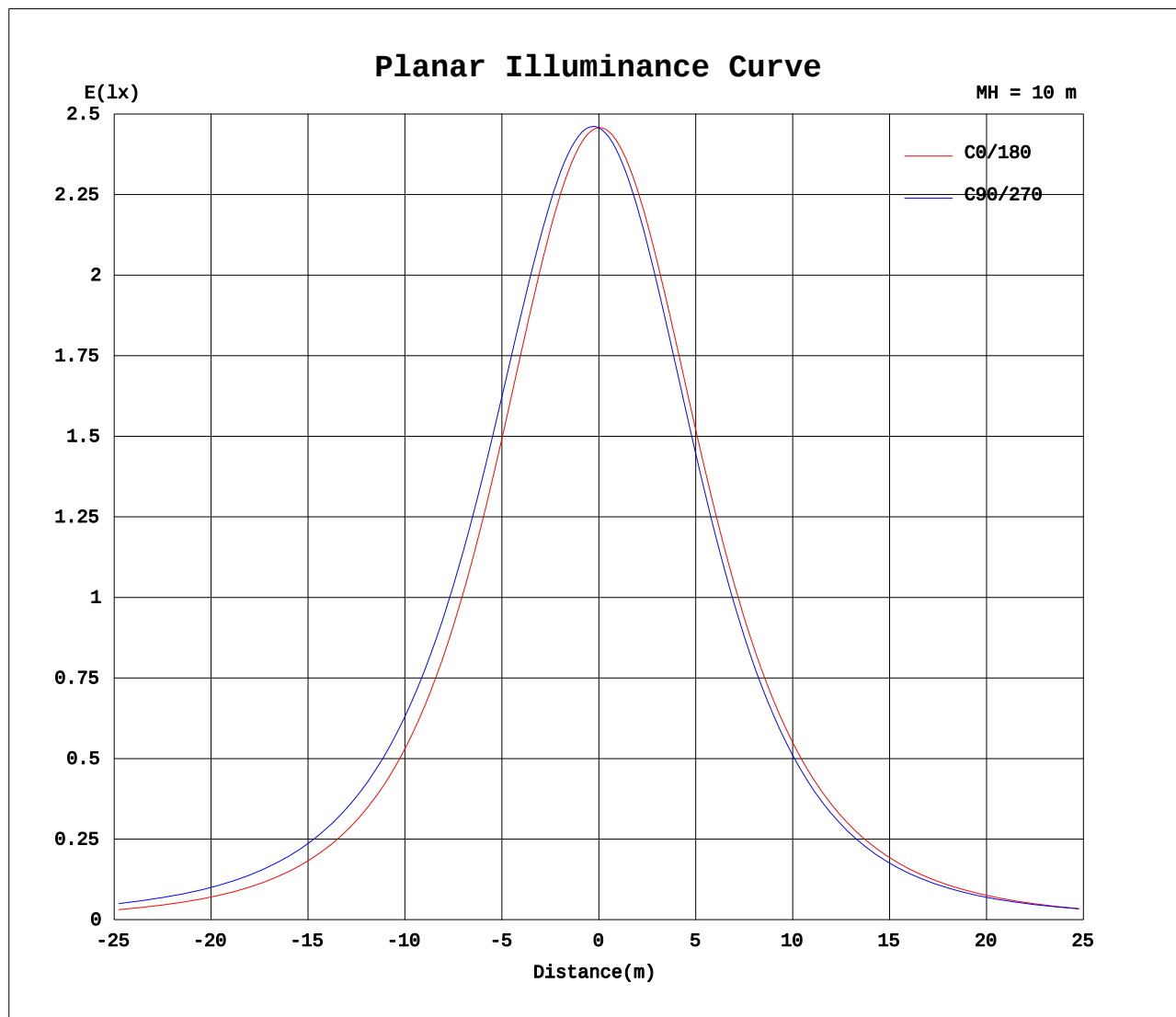
AvgL	cd/m2
L_0~180(65)av	17873
L_0~180(75)av	13703
L_0~180(85)av	5093
L_90~270(65)av	21298
L_90~270(75)av	22754
L_90~270(85)av	35833
L_45(65)av	19405
L_45(75)av	18584
L_45(85)av	24000

Standard: GB/T 29293-2012

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Planar Illuminance Curve



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