

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

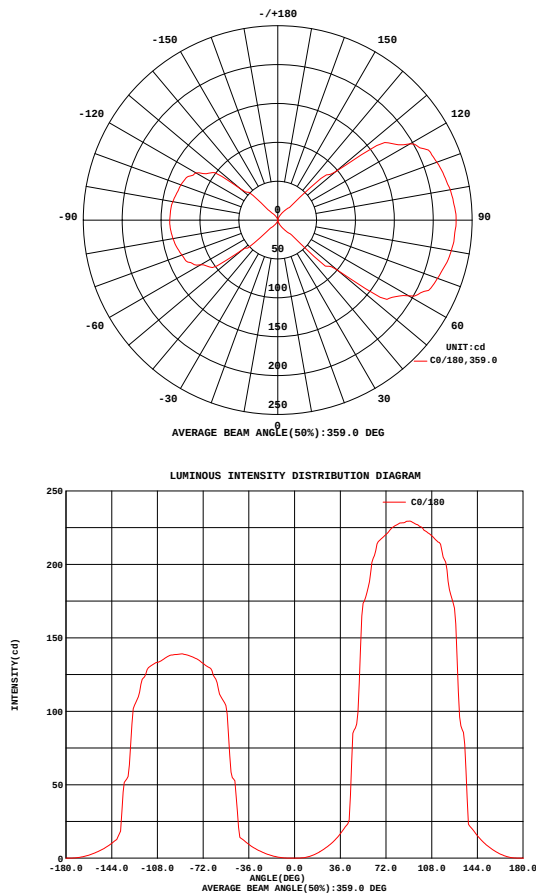


Fig. C0/C180

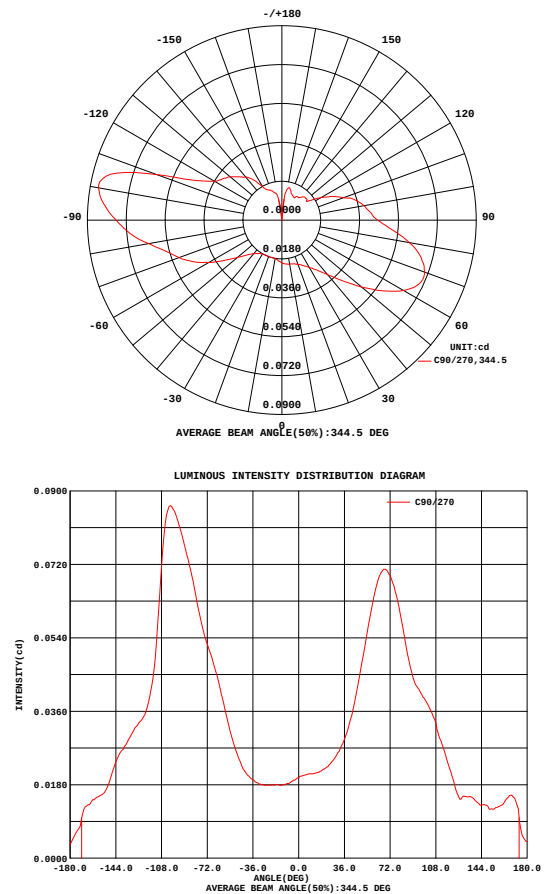


Fig. C90/C270

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: YT
Test Date: 2023-12-15

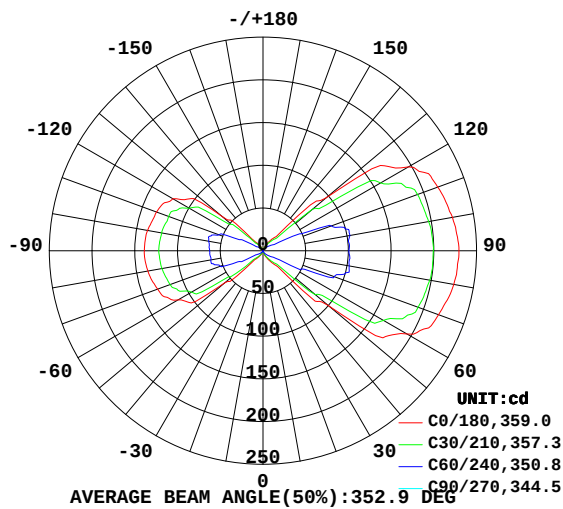
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.362
Humidity: 52.2%
Test Distance: 1.200m [K=0.9640]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

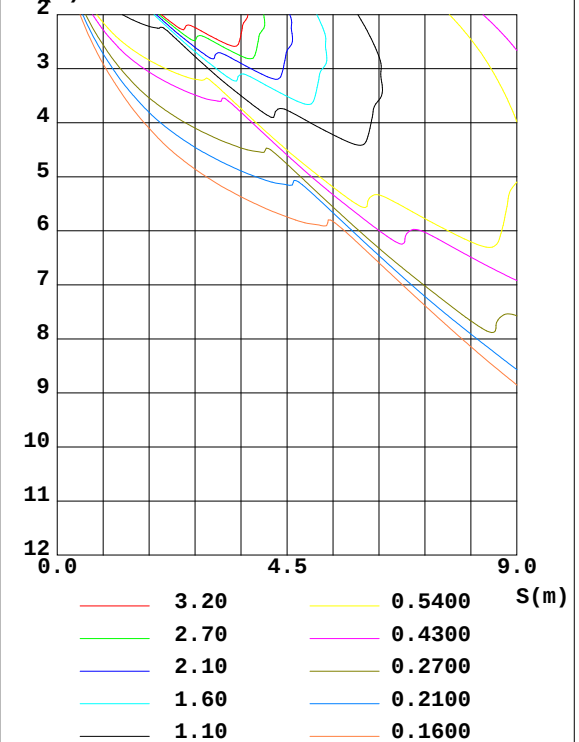
NAME: 长方形180混动LED太阳能灯	TYPE: 6989101118	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: B2023121502
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 83.97 lm/W			
MODEL		Imax(cd)	229.4	S/MH(C0/180)	67.47
NOMINAL POWER(W)	8.97	LOR(%)	100.0	S/MH(C90/270)	3.07
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	753.46	η UP, DN(C0-180)	24.0, 24.1
NOMINAL FLUX(lm)	753.464	CIE CLASS	DIFFUSE	η UP, DN(C180-360)	25.9, 26.0
LAMPS INSIDE	1	η up(%)	49.9	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230.554	η down(%)	50.1	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
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Test Speed: HIGH
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Operators: YT
Test Date: 2023-12-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.0.362
Humidity: 52.2%
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Remarks:

ZONAL FLUX DIAGRAM

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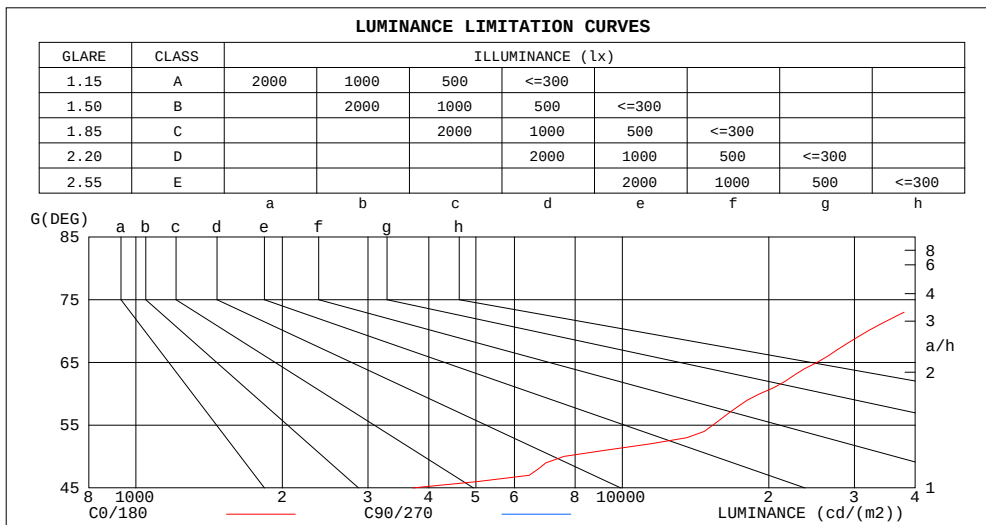
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	0.3499	0.1515	0.0181	0.3108	0.7856	0.3631	0.0207	0.1198	0- 10	0.0120	0.0120	0.00,0.00
20	2.291	1.048	0.0179	1.777	4.404	2.160	0.0218	0.8115	10- 20	0.2490	0.2611	0.03,0.03
30	6.080	3.015	0.0181	4.689	10.80	5.666	0.0254	2.402	20- 30	1.291	1.552	0.21,0.21
40	12.25	6.102	0.0203	9.111	21.36	10.92	0.0331	4.943	30- 40	3.749	5.301	0.70,0.70
50	58.52	11.48	0.0269	16.41	99.37	21.14	0.0482	8.954	40- 50	13.44	18.74	2.49,2.49
60	115.1	61.45	0.0391	82.18	195.0	102.6	0.0651	46.80	50- 60	49.13	67.87	9.01,9.01
70	131.2	91.63	0.0507	133.1	218.6	152.8	0.0703	78.53	60- 70	86.48	154.4	20.5,20.5
80	136.9	95.43	0.0627	143.1	226.7	156.5	0.0599	86.14	70- 80	108.2	262.5	34.8,34.8
90	138.9	96.86	0.0767	142.7	229.4	156.9	0.0443	86.90	80- 90	114.9	377.5	50.1,50.1
100	137.2	96.79	0.0862	141.5	225.3	156.6	0.0386	87.52	90-100	114.9	492.3	65.3,65.3
110	132.6	94.85	0.0618	129.7	217.8	152.5	0.0305	84.81	100-110	107.9	600.3	79.7,79.7
120	121.7	64.55	0.0362	69.50	196.4	99.04	0.0210	55.04	110-120	86.44	686.7	91.1,91.1
130	63.46	16.26	0.0312	14.48	96.15	17.23	0.0152	9.851	120-130	48.60	735.3	97.6,97.6
140	12.73	6.900	0.0261	7.749	19.89	9.553	0.0139	5.741	130-140	13.08	748.4	99.3,99.3
150	6.611	3.575	0.0179	3.653	9.866	4.682	0.0120	2.839	140-150	3.616	752.0	99.8,99.8
160	2.640	1.409	0.0147	1.171	3.727	1.732	0.0130	0.9499	150-160	1.216	753.2	100,100
170	0.4920	0.2726	0.0110	0.1654	0.5323	0.2860	0.0148	0.1663	160-170	0.2271	753.5	100,100
180	0.0044	0.0016	0.0033	0.0063	0.0061	0.0054	0.0041	0.0055	170-180	0.0101	753.5	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:2023-12-15

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: 长方形180混动LED太阳能灯	TYPE: 6989101118	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: B2023121502
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	132340	68
80	65682	30
75	43322	18
70	31978	12
65	25161	9
60	19190	7
55	15357	5
50	7587	3
45	3709	3

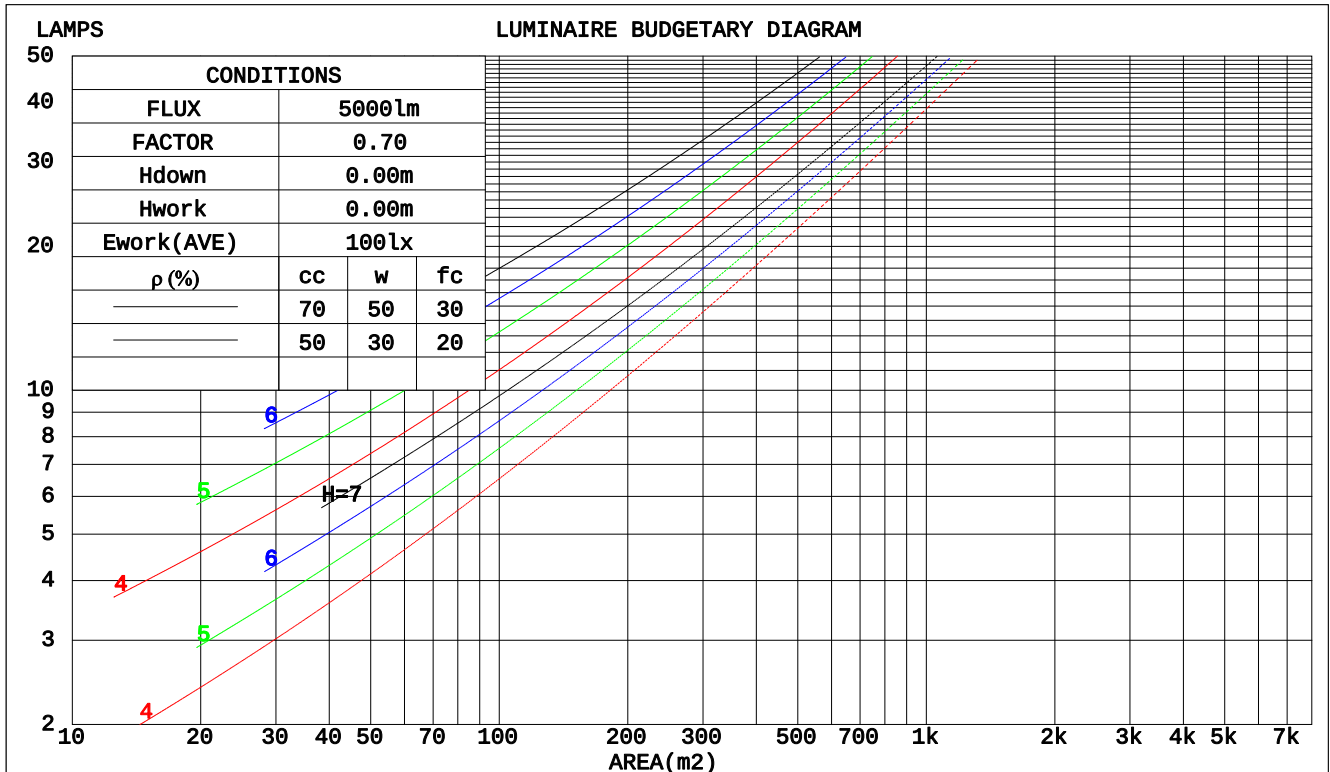
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Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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SPEC.:	DIM.:	SERIAL No.: B2023121502
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	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
0.0	1.07	1.07	1.07	.99	.99	.99	.83	.83	.83	.69	.69	.69	.56	.56	.56	.50
1.0	.82	.75	.69	.75	.68	.63	.61	.56	.52	.48	.45	.41	.37	.34	.31	.25
2.0	.67	.58	.50	.61	.52	.45	.49	.42	.36	.38	.33	.28	.28	.24	.20	.15
3.0	.56	.46	.38	.51	.42	.34	.41	.33	.27	.31	.25	.20	.22	.18	.14	.09
4.0	.48	.38	.30	.44	.34	.27	.35	.27	.21	.26	.20	.16	.19	.14	.10	.06
5.0	.42	.32	.24	.38	.29	.22	.30	.23	.17	.23	.17	.12	.16	.11	.08	.04
6.0	.37	.27	.20	.34	.25	.18	.27	.19	.14	.20	.14	.10	.14	.10	.06	.03
7.0	.33	.24	.17	.30	.21	.15	.24	.17	.12	.18	.12	.08	.13	.08	.05	.02
8.0	.30	.21	.15	.27	.19	.13	.21	.15	.10	.16	.11	.07	.12	.07	.04	.01
9.0	.27	.18	.13	.24	.17	.11	.20	.13	.09	.15	.10	.06	.11	.06	.03	.01
10.0	.25	.16	.11	.22	.15	.10	.18	.12	.08	.14	.09	.05	.10	.06	.03	.01



C Range: 0 - 360DEG
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 Remarks:

WEC AND CCEC

NAME: 长方形180混动LED太阳能灯	TYPE:6989101118	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:B2023121502
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0	
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.503	.286	.091	.480	.274	.087	.438	.251	.080	.399	.230	.074	.363	.210	.068		
2.0	.401	.220	.067	.381	.210	.065	.342	.190	.059	.306	.172	.054	.273	.154	.049		
3.0	.340	.181	.054	.321	.172	.052	.285	.155	.047	.252	.138	.042	.222	.123	.038		
4.0	.296	.154	.045	.279	.146	.043	.246	.131	.039	.216	.116	.035	.188	.102	.031		
5.0	.263	.134	.039	.247	.127	.037	.217	.113	.033	.189	.100	.030	.163	.087	.026		
6.0	.236	.118	.034	.222	.112	.032	.194	.099	.029	.168	.087	.026	.144	.076	.023		
7.0	.215	.106	.030	.201	.100	.029	.176	.089	.026	.152	.078	.023	.129	.067	.020		
8.0	.197	.096	.027	.184	.091	.026	.161	.080	.023	.138	.070	.020	.117	.060	.018		
9.0	.182	.088	.025	.170	.083	.023	.148	.073	.021	.127	.064	.018	.108	.055	.016		
10.0	.169	.081	.022	.158	.076	.021	.137	.067	.019	.118	.058	.017	.099	.050	.014		

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	.571	.571	.571	.488	.488	.488	.333	.333	.333	.191	.191	.191	.061	.061	.061	
1.0	.577	.538	.502	.494	.462	.432	.338	.318	.299	.194	.184	.174	.062	.059	.056	
2.0	.573	.517	.471	.491	.445	.407	.336	.308	.284	.194	.179	.166	.062	.058	.054	
3.0	.566	.503	.452	.485	.434	.392	.333	.301	.275	.192	.176	.162	.062	.057	.053	
4.0	.558	.492	.441	.479	.425	.383	.329	.296	.270	.191	.173	.160	.061	.056	.052	
5.0	.550	.483	.433	.472	.418	.377	.325	.292	.266	.189	.171	.158	.061	.056	.052	
6.0	.542	.476	.428	.466	.412	.373	.321	.288	.264	.187	.170	.157	.060	.055	.052	
7.0	.535	.470	.424	.460	.407	.370	.318	.285	.262	.185	.168	.156	.060	.055	.052	
8.0	.528	.465	.421	.454	.403	.367	.314	.283	.261	.183	.167	.155	.059	.055	.051	
9.0	.521	.460	.419	.449	.399	.365	.311	.281	.259	.181	.166	.155	.059	.054	.051	
10.0	.515	.456	.417	.444	.396	.364	.308	.279	.259	.180	.165	.154	.058	.054	.051	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:YT
Test Date:2023-12-15

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:

UGR(Unified Glare Rating) Table

NAME: 长方形180混动LED太阳能灯						TYPE:6989101118					WEIGHT:				
SPEC.:						DIM.:					SERIAL No.:B2023121502				
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						20.6	21.7	21.4	22.7	23.9	3.1	4.3	4.0	5.2	6.4
3H						24.9	26.0	25.8	27.0	28.2	5.4	6.5	6.3	7.4	8.7
4H						27.1	28.1	28.0	29.1	30.3	6.8	7.8	7.7	8.8	10.0
6H						29.4	30.4	30.3	31.3	32.6	7.0	7.9	7.9	8.9	10.2
8H						30.6	31.6	31.6	32.6	33.8	7.0	7.9	7.9	8.9	10.1
12H						32.0	32.9	33.0	33.9	35.2	6.9	7.9	7.9	8.8	10.1
4H 2H						21.1	22.2	22.0	23.1	24.4	15.9	16.9	16.8	17.9	19.1
3H						25.8	26.7	26.7	27.6	28.9	18.1	19.0	19.0	20.0	21.2
4H						28.1	29.0	29.1	30.0	31.2	19.1	19.9	20.0	20.9	22.2
6H						30.6	31.4	31.6	32.4	33.7	19.7	20.4	20.6	21.4	22.7
8H						32.0	32.7	33.0	33.7	35.0	19.7	20.4	20.7	21.4	22.8
12H						33.5	34.2	34.5	35.2	36.5	19.6	20.3	20.6	21.3	22.7
8H 4H						28.5	29.2	29.5	30.2	31.5	23.2	23.9	24.2	25.0	26.3
6H						31.3	32.0	32.3	33.0	34.3	24.6	25.2	25.6	26.3	27.6
8H						32.9	33.5	33.9	34.5	35.9	25.1	25.7	26.1	26.7	28.1
12H						34.7	35.2	35.8	36.3	37.7	25.4	25.9	26.4	26.9	28.3
12H 4H						28.5	29.2	29.5	30.2	31.5	24.3	25.0	25.3	26.0	27.3
6H						31.5	32.0	32.5	33.1	34.4	26.1	26.7	27.1	27.7	29.1
8H						33.2	33.7	34.2	34.7	36.1	27.0	27.5	28.0	28.5	29.9
Variations with the observer position at spacings:															
S = 1.0H						+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H						+ 0.2 / - 0.3					+ 0.1 / - 0.1				
2.0H						+ 0.3 / - 0.4					+ 0.3 / - 0.3				

CIE Pub.117, 753.5 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.0)
Area: 0.012 m2

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C Interval: 10.0DEG
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Operators:YT
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γ Range: 0 - 180DEG
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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: 长方形180混动LED太阳能灯	TYPE: 6989101118	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: B2023121502
MFR.:	SUR.:	Shielding Angle:

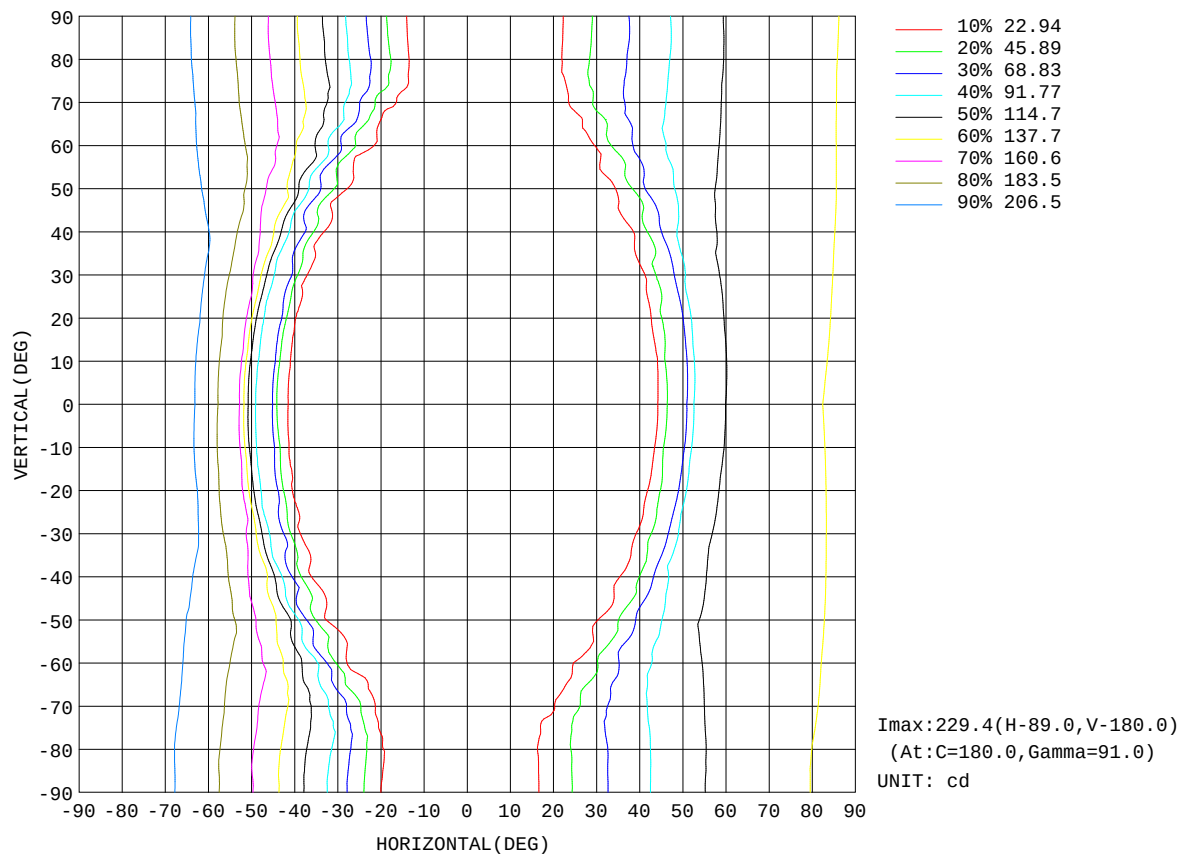
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	30	17	9	29	16	8	26	14	8	1
0.80	38	22	13	36	21	12	31	19	11	2
1.00	44	28	18	41	26	17	36	25	15	3
1.25	51	35	23	47	32	22	40	28	19	6
1.50	56	40	29	52	37	27	44	32	23	8
2.00	65	49	38	60	46	35	50	39	30	12
2.50	70	56	45	65	52	42	54	44	35	15
3.00	75	61	51	69	57	47	58	48	40	18
4.00	81	69	60	74	64	55	62	54	47	23
5.00	85	75	66	78	69	61	65	58	52	26
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

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ISOCANDELA DIAGRAM

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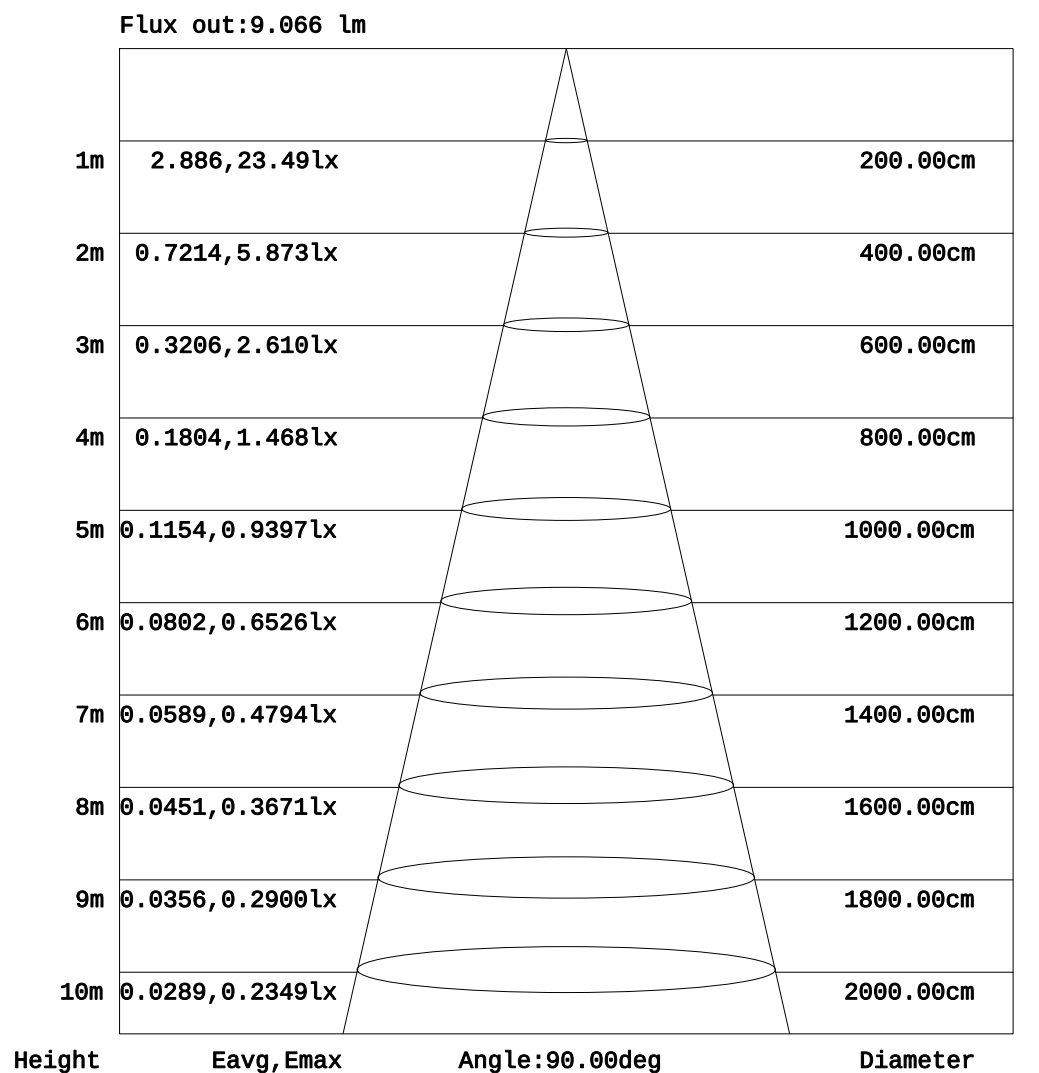


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AAI Figure

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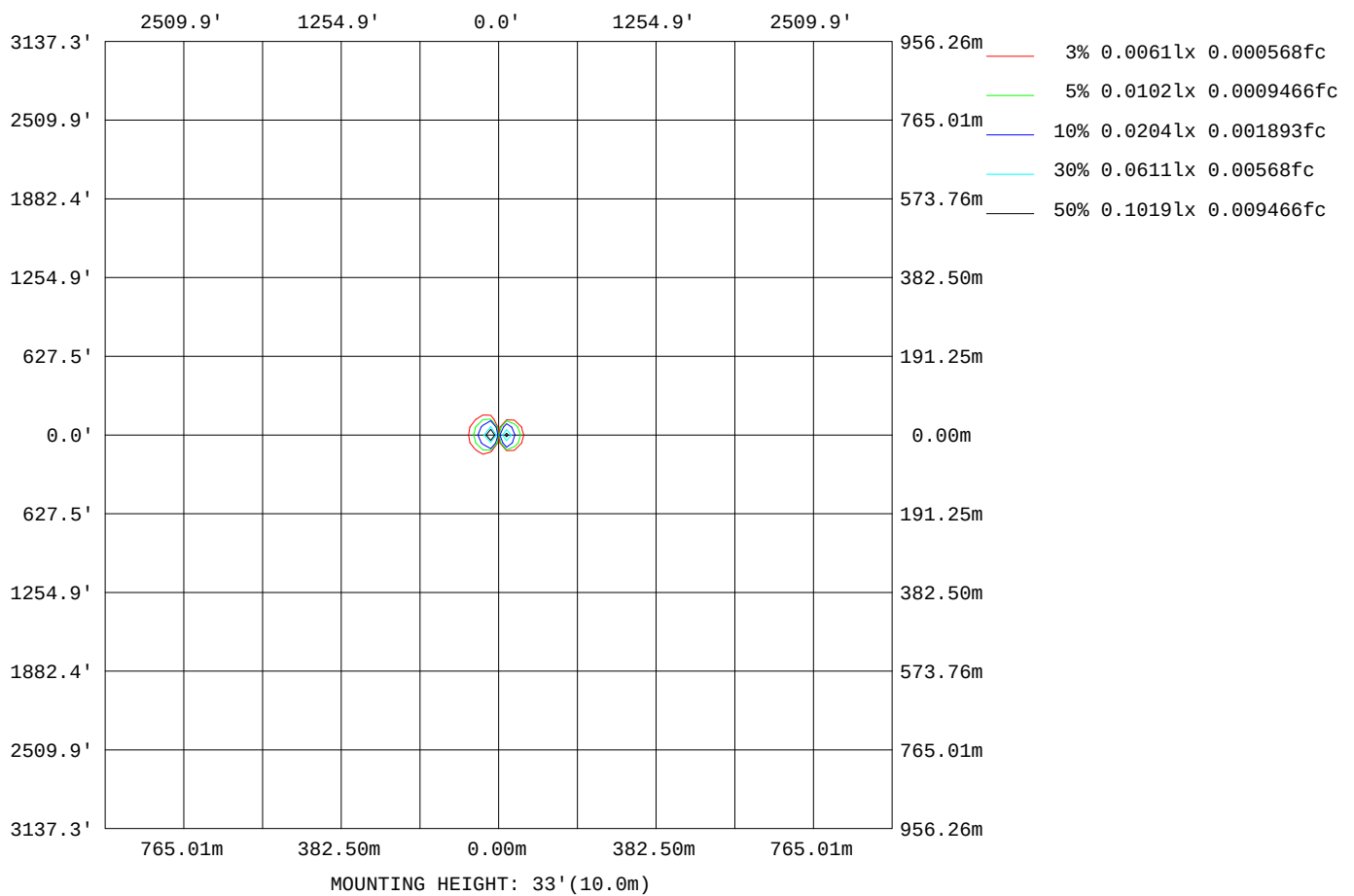
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

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Test Distance: 1.200m [K=0.9640]
Remarks:

LED Avg.L Report

NAME: 长方形180混动LED太阳能灯	TYPE: 6989101118	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: B2023121502
MFR.:	SUR.:	Shielding Angle:

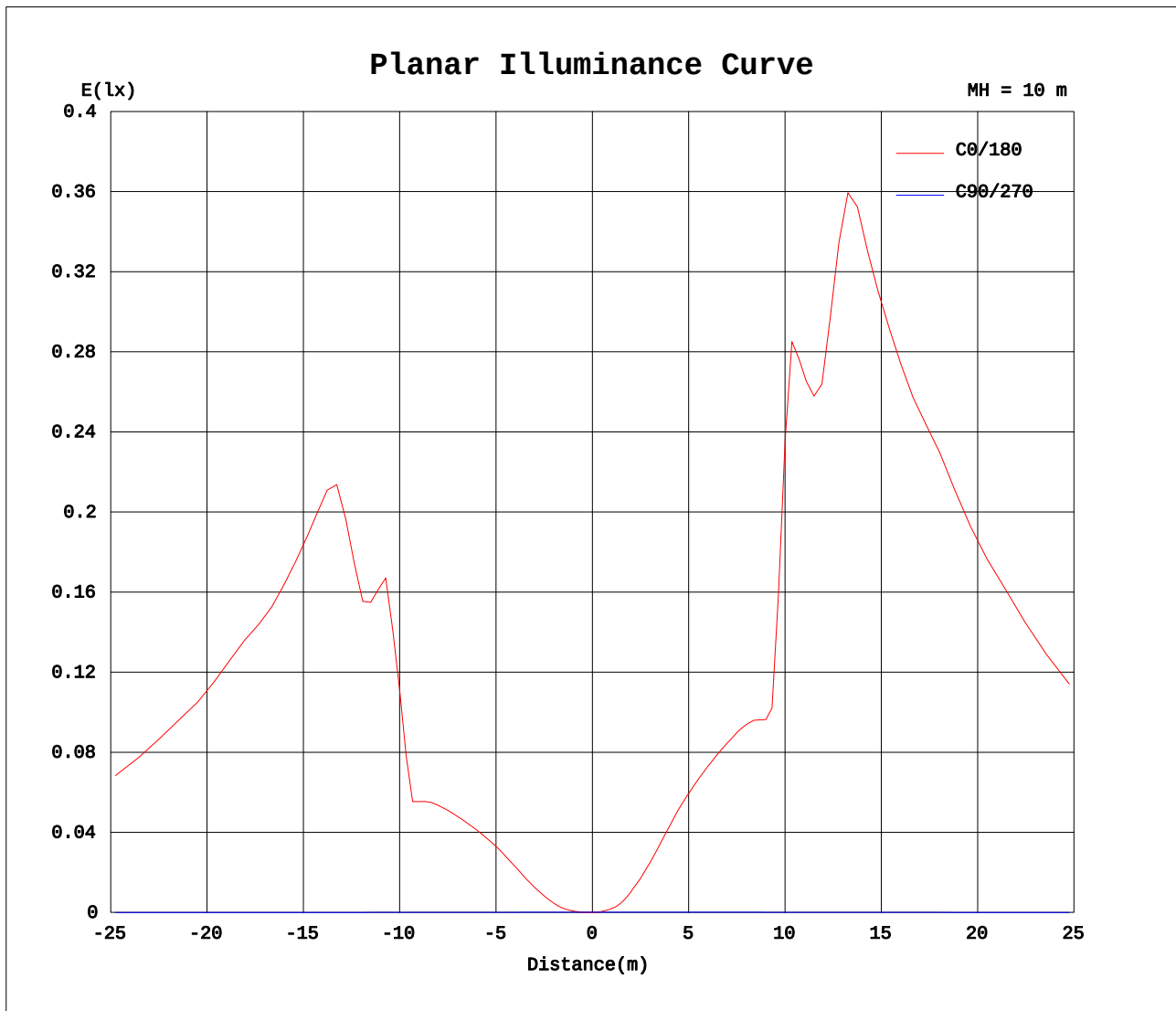
AvgL	cd/m2
L_0~180(65)av	33667
L_0~180(75)av	57600
L_0~180(85)av	175276
L_90~270(65)av	11
L_90~270(75)av	20
L_90~270(85)av	58
L_45(65)av	20015
L_45(75)av	38963
L_45(85)av	115648

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: YT
Test Date: 2023-12-15

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:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.1DEG
Operators: YT
Test Date: 2023-12-15

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 长方形180混动LED太阳能灯	TYPE:6989101118	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:B2023121502
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
5	0.06	0.06	0.06	0.05	0.04	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.06	0.08	0.11	0.13	0.15	0.17	0.16
10	0.35	0.34	0.30	0.24	0.18	0.12	0.08	0.04	0.02	0.02	0.02	0.08	0.15	0.25	0.37	0.53	0.67	0.78	0.79
15	1.09	1.07	0.96	0.79	0.58	0.36	0.19	0.09	0.02	0.02	0.04	0.15	0.32	0.66	1.08	1.51	1.88	2.15	2.21
20	2.29	2.25	2.03	1.69	1.27	0.83	0.44	0.17	0.05	0.02	0.07	0.25	0.68	1.37	2.18	2.99	3.75	4.30	4.40
25	4.01	3.95	3.59	3.00	2.27	1.50	0.82	0.32	0.08	0.02	0.09	0.41	1.21	2.36	3.73	5.11	6.29	7.10	7.31
30	6.08	5.98	5.49	4.67	3.60	2.43	1.35	0.55	0.13	0.02	0.12	0.66	1.89	3.66	5.72	7.66	9.29	10.4	10.8
35	8.74	8.61	7.88	6.68	5.20	3.60	2.04	0.86	0.19	0.02	0.15	0.98	2.75	5.31	8.06	10.8	13.1	14.8	15.4
40	12.2	12.1	11.1	9.35	7.21	5.00	2.92	1.25	0.28	0.02	0.20	1.38	3.88	7.24	11.0	14.9	18.3	20.7	21.4
45	31.5	32.1	17.3	12.6	9.95	6.78	4.01	1.75	0.42	0.02	0.26	1.87	5.22	9.63	15.0	20.3	24.8	59.1	66.4
50	58.5	56.7	52.5	41.3	13.7	9.26	5.35	2.39	0.59	0.03	0.34	2.48	6.83	12.9	19.9	60.0	84.3	92.4	99.4
55	106	104	99.1	72.9	44.7	15.1	7.22	3.19	0.81	0.03	0.44	3.25	8.96	17.1	68.5	92.6	156	172	175
60	115	114	107	96.9	83.2	39.7	9.54	4.26	1.09	0.04	0.57	4.20	12.0	55.8	109	153	173	188	195
65	128	126	119	110	90.7	71.4	30.0	5.78	1.44	0.05	0.72	5.33	23.1	93.6	137	174	194	210	214
70	131	130	125	116	102	81.0	53.1	16.1	1.84	0.05	0.87	6.72	58.5	111	156	185	204	215	219
75	135	133	128	118	104	85.1	59.8	29.6	2.22	0.06	1.01	14.4	77.2	126	160	187	206	218	223
80	137	136	130	120	105	85.4	62.1	33.8	2.45	0.06	1.10	22.6	85.4	125	162	190	210	222	227
85	138	137	131	121	106	86.3	62.4	33.4	2.71	0.07	1.13	23.8	82.5	124	160	190	210	223	228
90	139	138	132	122	107	86.8	62.4	33.3	2.93	0.08	1.14	22.7	81.4	124	162	191	211	224	229
95	139	137	132	122	107	87.4	63.3	34.4	3.04	0.08	1.13	22.8	81.9	125	160	190	209	222	228
100	137	136	130	120	106	87.3	64.6	36.0	2.88	0.09	1.10	20.3	83.6	124	159	187	207	220	225
105	134	134	129	119	105	88.0	65.3	30.8	2.36	0.08	0.95	12.3	72.9	126	158	185	203	216	221
110	133	132	126	117	105	84.4	54.9	17.7	1.47	0.06	0.75	6.42	44.5	108	152	183	201	213	218
115	130	129	124	112	98.0	73.7	31.2	6.21	0.72	0.04	0.55	4.70	19.7	80.2	134	171	190	206	214
120	122	121	113	99.7	85.3	43.8	16.2	4.69	0.55	0.04	0.39	3.46	10.6	45.1	93.9	149	169	186	196
125	106	105	100	81.5	47.2	25.0	8.09	3.55	0.53	0.03	0.29	2.55	7.70	15.3	57.5	83.0	139	168	174
130	63.5	61.6	54.0	48.2	22.4	10.1	6.10	2.73	0.50	0.03	0.21	1.86	5.70	11.2	17.7	40.8	81.4	88.5	96.1
135	45.1	42.8	27.7	17.1	10.9	7.66	4.63	2.08	0.45	0.03	0.15	1.34	4.16	8.23	13.1	18.0	21.6	32.1	59.2
140	12.7	12.7	11.9	10.3	8.09	5.71	3.49	1.56	0.37	0.03	0.11	0.92	2.94	6.02	9.48	13.1	16.4	18.6	19.9
145	9.45	9.36	8.67	7.46	5.90	4.21	2.54	1.15	0.29	0.02	0.07	0.59	2.02	4.19	6.79	9.33	11.6	13.3	14.3
150	6.61	6.57	6.11	5.27	4.20	2.95	1.76	0.81	0.22	0.02	0.03	0.36	1.28	2.74	4.56	6.43	8.02	9.17	9.87
155	4.43	4.41	4.09	3.52	2.77	1.94	1.16	0.53	0.16	0.02	0.02	0.22	0.72	1.65	2.79	4.00	5.12	5.95	6.50
160	2.64	2.63	2.44	2.10	1.65	1.17	0.69	0.32	0.11	0.01	0.01	0.13	0.36	0.84	1.50	2.21	2.85	3.34	3.73
165	1.34	1.35	1.26	1.08	0.85	0.59	0.35	0.18	0.07	0.01	0.01	0.06	0.17	0.35	0.62	0.96	1.29	1.55	1.74
170	0.49	0.50	0.47	0.40	0.32	0.23	0.15	0.09	0.03	0.01	0.01	0.01	0.06	0.12	0.21	0.30	0.37	0.46	0.53
175	0.10	0.11	0.10	0.08	0.06	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.06	0.09	0.10
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:YT
Test Date:2023-12-15

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 长方形180混动LED太阳能灯	TYPE: 6989101118	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: B2023121502
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

γ (DEG) \ C (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01		
5	0.16	0.15	0.13	0.11	0.09	0.07	0.04	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.04	0.05	0.06		
10	0.77	0.70	0.58	0.43	0.29	0.20	0.11	0.05	0.02	0.02	0.02	0.06	0.09	0.14	0.20	0.26	0.31		
15	2.17	2.01	1.69	1.26	0.84	0.46	0.23	0.09	0.02	0.02	0.06	0.13	0.26	0.45	0.66	0.85	0.99		
20	4.32	3.95	3.32	2.56	1.76	0.99	0.42	0.14	0.02	0.02	0.10	0.27	0.61	1.02	1.45	1.84	2.11		
25	7.21	6.65	5.65	4.39	2.99	1.74	0.75	0.22	0.02	0.02	0.16	0.53	1.12	1.85	2.61	3.26	3.73		
30	10.6	9.81	8.44	6.69	4.64	2.71	1.20	0.30	0.03	0.04	0.28	0.90	1.84	2.97	4.11	5.03	5.69		
35	15.1	13.9	11.9	9.37	6.66	3.97	1.77	0.45	0.03	0.06	0.44	1.36	2.76	4.35	5.88	7.20	8.15		
40	21.0	19.6	16.5	12.8	9.02	5.50	2.48	0.64	0.03	0.09	0.66	1.98	3.89	6.00	8.16	10.1	11.5		
45	61.2	34.0	21.6	17.5	12.1	7.28	3.37	0.88	0.04	0.12	0.93	2.75	5.23	8.17	11.2	17.4	22.0		
50	95.9	88.0	80.2	26.0	16.3	9.54	4.45	1.17	0.05	0.16	1.27	3.67	7.01	10.9	30.5	50.7	54.1		
55	175	167	123	74.9	28.6	12.6	5.72	1.52	0.06	0.22	1.71	4.85	9.33	40.5	51.4	88.3	103		
60	192	180	163	139	65.8	19.3	7.39	1.93	0.07	0.30	2.26	6.49	33.1	60.5	91.7	102	110		
65	212	201	184	152	118	50.1	9.59	2.38	0.07	0.39	2.96	15.6	54.2	81.2	103	116	123		
70	217	209	193	171	135	88.8	27.3	2.83	0.07	0.51	3.90	31.7	65.4	91.6	111	121	128		
75	221	212	196	172	141	99.9	51.8	3.13	0.07	0.63	8.92	45.0	75.9	95.9	113	124	132		
80	224	216	198	173	140	103	56.9	3.17	0.06	0.73	14.1	50.6	74.9	97.4	114	126	134		
85	226	216	199	173	141	102	53.9	3.06	0.05	0.75	15.3	49.8	74.7	97.6	115	127	135		
90	227	217	199	174	140	100	52.3	3.02	0.04	0.75	15.3	49.3	75.4	98.4	116	128	136		
95	226	216	199	173	140	101	51.4	3.01	0.04	0.79	15.8	50.4	75.9	98.6	116	128	135		
100	223	214	197	173	140	103	50.8	2.95	0.04	0.80	16.3	51.8	77.1	98.0	115	126	134		
105	220	211	195	172	141	99.3	40.0	2.56	0.04	0.74	10.1	50.4	77.4	97.6	114	125	132		
110	216	208	193	171	134	85.3	16.0	1.46	0.03	0.64	4.44	35.7	72.2	97.4	112	123	130		
115	211	199	182	151	113	47.4	7.71	0.62	0.03	0.53	3.48	21.4	63.3	85.0	107	121	128		
120	193	177	159	136	62.3	14.5	5.71	0.43	0.02	0.43	2.70	7.42	35.8	74.3	93.9	108	119		
125	171	161	111	72.7	18.7	11.1	4.22	0.40	0.02	0.34	2.11	5.67	10.1	42.9	64.2	97.4	104		
130	92.3	85.6	75.5	20.1	14.4	8.22	3.10	0.37	0.02	0.27	1.64	4.34	8.06	11.6	38.8	51.5	59.6		
135	46.1	24.4	19.8	15.7	10.6	6.10	2.28	0.32	0.02	0.21	1.26	3.32	6.09	9.29	12.0	18.6	34.4		
140	19.5	17.8	14.9	11.4	7.74	4.38	1.63	0.25	0.01	0.16	0.95	2.48	4.56	6.92	9.29	11.2	12.4		
145	13.9	12.6	10.6	8.15	5.54	2.99	1.11	0.19	0.01	0.12	0.68	1.77	3.32	5.04	6.74	8.20	9.18		
150	9.66	8.80	7.42	5.64	3.72	1.99	0.72	0.15	0.01	0.09	0.44	1.17	2.21	3.47	4.70	5.76	6.44		
155	6.35	5.75	4.79	3.57	2.34	1.24	0.44	0.11	0.01	0.06	0.26	0.71	1.35	2.11	2.93	3.73	4.31		
160	3.67	3.31	2.77	2.10	1.37	0.71	0.30	0.09	0.01	0.03	0.14	0.37	0.73	1.17	1.60	1.98	2.40		
165	1.73	1.60	1.35	1.02	0.66	0.36	0.19	0.07	0.01	0.02	0.07	0.17	0.32	0.54	0.76	0.96	1.09		
170	0.54	0.50	0.42	0.33	0.24	0.15	0.09	0.02	0.01	0.02	0.04	0.08	0.13	0.20	0.28	0.36	0.40		
175	0.10	0.10	0.08	0.05	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.05	0.07	0.09		
180	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: YT
 Test Date: 2023-12-15

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: