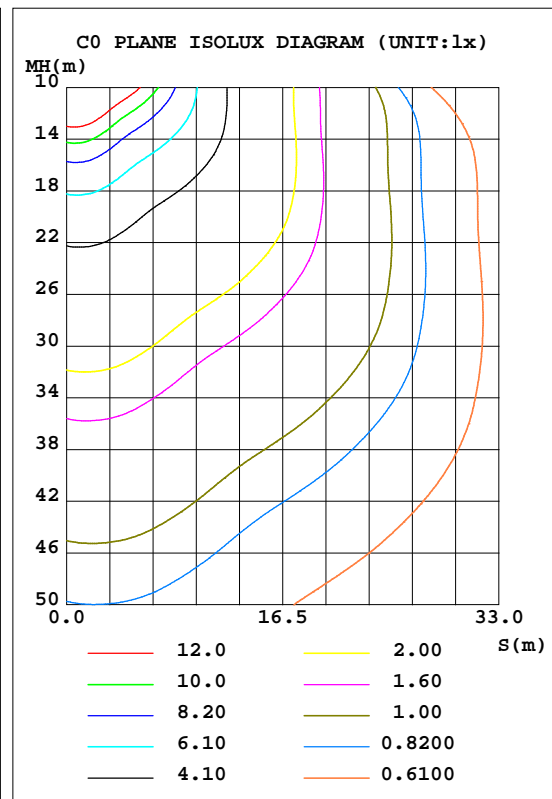
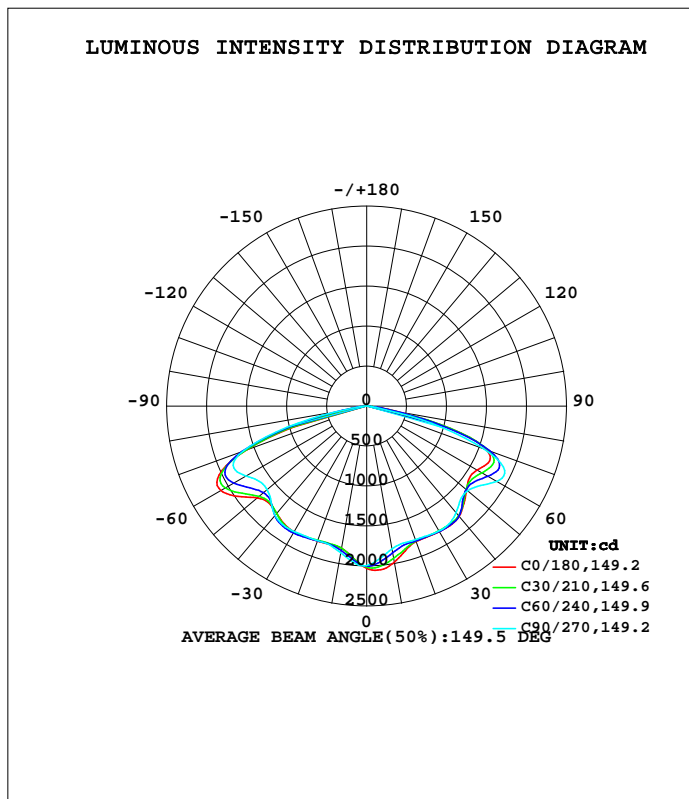


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.25V I:0.2989A P:65.005W PF:0.9829 Freq:50.00Hz Lamp Flux:8451.76x1 lm		
NAME: 庭院灯65W	TYPE:	WEIGHT:
SPEC.:65W	DIM.:	SERIAL No.:
MFR.:	SUR.:255*255mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.02 lm/W			
MODEL		I _{max} (cd)	2117	S/MH(C0/180)	1.37
NOMINAL POWER(W)	--	LOR(%)	100.0	S/MH(C90/270)	1.41
RATED VOLTAGE(V)	--	TOTAL FLUX(lm)	8451.8	η UP, DN(C0-180)	0.0,49.6
NOMINAL FLUX(lm)	8451.76	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,50.4
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	--	η down(%)	100.0	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1983	1902	1817	1784	1807	1816	1866	1923	0- 10	183.1	183.1	2.17,2.17
20	1803	1797	1778	1782	1798	1790	1791	1783	10- 20	512.5	695.6	8.23,8.23
30	1815	1798	1806	1823	1816	1828	1814	1802	20- 30	832.6	1528	18.1,18.1
40	1799	1784	1740	1733	1754	1770	1784	1819	30- 40	1133	2662	31.5,31.5
50	1631	1612	1650	1747	1787	1724	1628	1619	40- 50	1324	3985	47.2,47.2
60	1600	1710	1882	2053	2108	1987	1747	1583	50- 60	1564	5549	65.7,65.7
70	1592	1647	1551	1507	1595	1628	1643	1647	60- 70	1797	7346	86.9,86.9
80	370.2	374.8	186.0	187.8	232.2	259.0	264.6	488.8	70- 80	1012	8359	98.9,98.9
90	2.004	1.950	1.906	1.951	3.149	3.223	3.287	3.687	80- 90	93.03	8452	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 3305.1 lm

%lum = 39.1%
%lamp = 39.1%

Conical surface Flux(120deg): 5549 lm

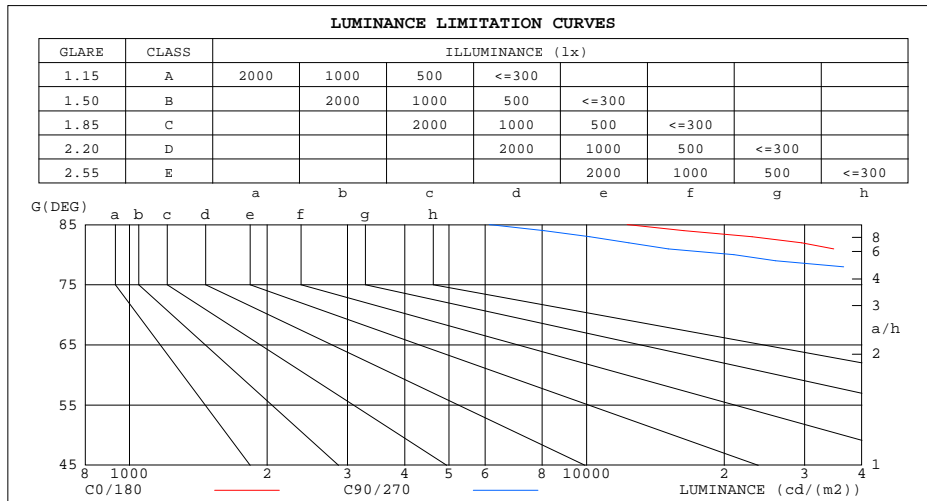
%lum = 65.7%
%lamp = 65.7%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:221.25V I:0.2989A P:65.005W PF:0.9829 Freq:50.00Hz Lamp Flux:8451.76x1 lm		
NAME: 庭院灯65W	TYPE:	WEIGHT:
SPEC.:65W	DIM.:	SERIAL No.:
MFR.:	SUR.:255*255mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	12277	6125
80	41804	21000
75	82402	64184
70	91270	88899
65	77920	88373
60	62731	73822
55	53647	59332
50	49759	50322
45	47702	46015

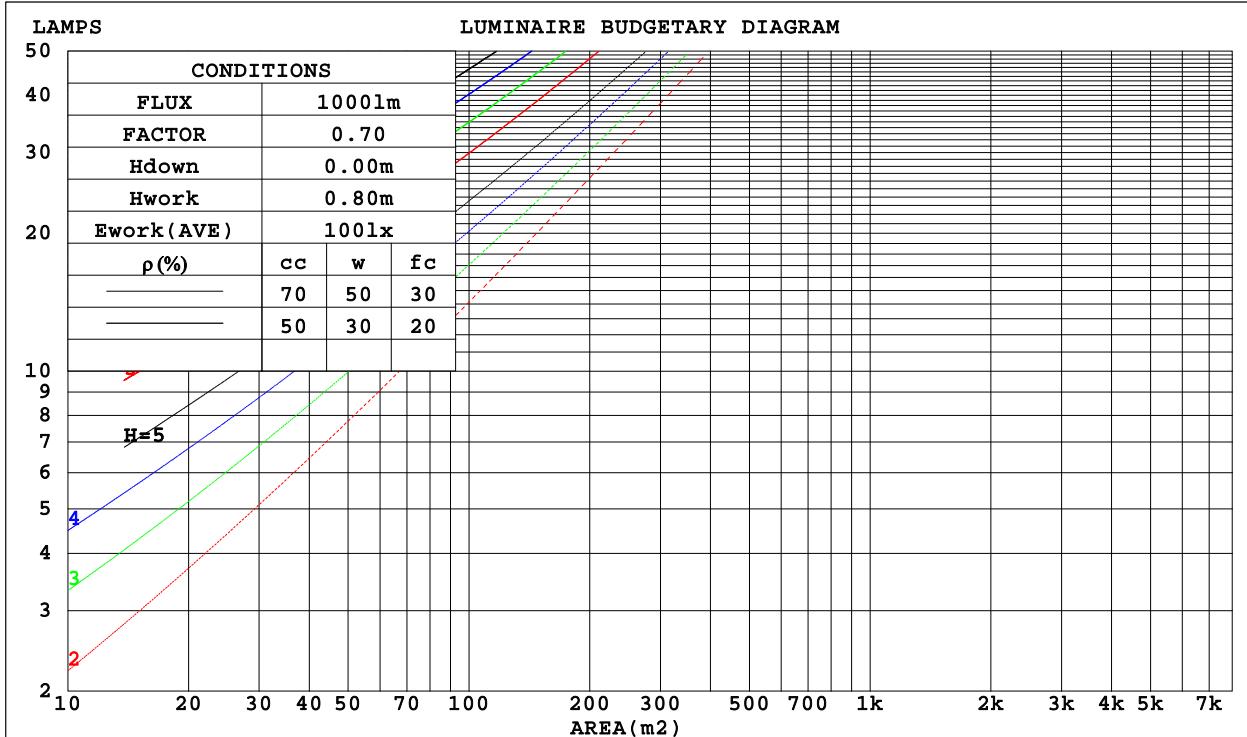
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:221.25V I:0.2989A P:65.005W PF:0.9829 Freq:50.00Hz Lamp Flux:8451.76x1 lm		
NAME: 庭院灯65W	TYPE:	WEIGHT:
SPEC.:65W	DIM.:	SERIAL No.:
MFR.:	SUR.:255*255mm	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	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.02	.97	.92	.99	.95	.91	.95	.91	.88	.91	.88	.85	.87	.85	.82	.80
2.0	.86	.78	.71	.84	.77	.70	.80	.74	.69	.77	.72	.67	.74	.69	.65	.63
3.0	.73	.64	.56	.72	.63	.56	.69	.61	.55	.66	.59	.54	.63	.58	.53	.50
4.0	.64	.54	.46	.62	.53	.46	.60	.51	.45	.57	.50	.44	.55	.49	.44	.41
5.0	.56	.46	.38	.55	.45	.38	.52	.44	.38	.50	.43	.37	.48	.42	.37	.34
6.0	.50	.40	.33	.49	.39	.32	.47	.38	.32	.45	.37	.32	.43	.37	.31	.29
7.0	.44	.35	.28	.44	.34	.28	.42	.34	.28	.40	.33	.27	.39	.32	.27	.25
8.0	.40	.31	.25	.40	.31	.25	.38	.30	.24	.37	.29	.24	.36	.29	.24	.22
9.0	.37	.28	.22	.36	.28	.22	.35	.27	.22	.34	.27	.21	.33	.26	.21	.19
10.0	.34	.25	.20	.33	.25	.19	.32	.25	.19	.31	.24	.19	.30	.24	.19	.17



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:221.25V I:0.2989A P:65.005W PF:0.9829 Freq:50.00Hz Lamp Flux:8451.76x1 lm		
NAME: 庭院灯65W	TYPE:	WEIGHT:
SPEC.:65W	DIM.:	SERIAL No.:
MFR.:	SUR.:255*255mm	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.355	.202	.064	.347	.198	.063	.334	.192	.061	.321	.185	.059	.310	.180	.058	
2.0	.336	.184	.057	.330	.182	.056	.318	.177	.055	.306	.172	.054	.296	.167	.053	
3.0	.308	.164	.049	.303	.162	.049	.292	.158	.048	.282	.154	.047	.273	.151	.047	
4.0	.281	.146	.043	.276	.145	.043	.267	.141	.042	.258	.138	.042	.249	.135	.041	
5.0	.257	.131	.038	.252	.130	.038	.244	.127	.037	.236	.124	.037	.228	.122	.037	
6.0	.236	.118	.034	.232	.117	.034	.224	.115	.033	.217	.113	.033	.210	.111	.033	
7.0	.217	.107	.030	.214	.106	.030	.207	.105	.030	.201	.103	.030	.195	.101	.030	
8.0	.201	.098	.028	.198	.098	.028	.192	.096	.027	.186	.094	.027	.181	.093	.027	
9.0	.187	.091	.025	.184	.090	.025	.179	.088	.025	.174	.087	.025	.169	.086	.025	
10.0	.175	.084	.023	.172	.083	.023	.168	.082	.023	.163	.081	.023	.158	.080	.023	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.183	.156	.131	.157	.134	.113	.107	.092	.078	.062	.053	.045	.020	.017	.015	
2.0	.178	.132	.093	.153	.113	.080	.105	.078	.056	.060	.046	.033	.019	.015	.011	
3.0	.172	.115	.069	.147	.099	.060	.101	.069	.042	.058	.040	.025	.019	.013	.008	
4.0	.165	.102	.054	.141	.088	.047	.097	.061	.033	.056	.036	.019	.018	.012	.006	
5.0	.157	.092	.043	.135	.079	.038	.093	.055	.027	.054	.033	.016	.017	.011	.005	
6.0	.150	.083	.036	.129	.072	.031	.089	.051	.022	.052	.030	.013	.017	.010	.004	
7.0	.142	.077	.031	.123	.066	.027	.085	.047	.019	.049	.027	.011	.016	.009	.004	
8.0	.135	.071	.027	.117	.062	.023	.081	.043	.017	.047	.025	.010	.015	.008	.003	
9.0	.129	.066	.024	.111	.057	.021	.077	.040	.015	.045	.024	.009	.014	.008	.003	
10.0	.123	.062	.021	.106	.054	.018	.073	.038	.013	.043	.022	.008	.014	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:221.25V I:0.2989A P:65.005W PF:0.9829 Freq:50.00Hz Lamp Flux:8451.76x1 lm										
NAME: 庭院灯65W					TYPE:			WEIGHT:		
SPEC.:65W					DIM.:			SERIAL No.:		
MFR.:					SUR.:255*255mm			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	27.6	29.3	27.8	29.5	29.7	28.1	29.8	28.4	30.0	30.2
3H	30.8	32.4	31.1	32.6	32.9	31.1	32.7	31.4	32.9	33.2
4H	31.9	33.4	32.2	33.7	33.9	31.8	33.4	32.2	33.6	33.9
6H	32.2	33.7	32.6	33.9	34.2	32.0	33.4	32.3	33.7	34.0
8H	32.2	33.6	32.6	33.9	34.2	31.9	33.3	32.3	33.6	33.9
12H	32.2	33.5	32.5	33.8	34.1	31.9	33.2	32.2	33.5	33.8
4H 2H	28.8	30.4	29.2	30.6	30.9	29.2	30.7	29.5	31.0	31.2
3H	32.0	33.4	32.4	33.7	34.0	32.2	33.6	32.6	33.9	34.2
4H	33.1	34.4	33.5	34.7	35.0	33.0	34.3	33.4	34.6	34.9
6H	33.5	34.6	33.9	35.0	35.4	33.2	34.3	33.6	34.7	35.0
8H	33.6	34.6	34.0	34.9	35.3	33.2	34.2	33.6	34.6	35.0
12H	33.5	34.5	34.0	34.9	35.3	33.2	34.1	33.6	34.5	34.9
8H 4H	33.5	34.5	33.9	34.9	35.3	33.4	34.4	33.8	34.8	35.1
6H	33.9	34.7	34.3	35.2	35.6	33.6	34.5	34.1	34.9	35.3
8H	33.9	34.7	34.4	35.1	35.6	33.6	34.4	34.1	34.8	35.3
12H	33.9	34.6	34.4	35.0	35.5	33.6	34.3	34.1	34.7	35.2
12H 4H	33.4	34.4	33.9	34.8	35.2	33.3	34.3	33.8	34.7	35.1
6H	33.9	34.6	34.4	35.1	35.5	33.6	34.4	34.1	34.8	35.3
8H	33.9	34.6	34.4	35.0	35.5	33.6	34.3	34.1	34.7	35.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.1 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.4 / - 0.5				

CIE Pub.117, 8452 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 7.4)
Area: 0.051 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-03-18

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:221.25V I:0.2989A P:65.005W PF:0.9829 Freq:50.00Hz Lamp Flux:8451.76x1 lm		
NAME: 庭院灯65W	TYPE:	WEIGHT:
SPEC.:65W	DIM.:	SERIAL No.:
MFR.:	SUR.:255*255mm	Shielding Angle:

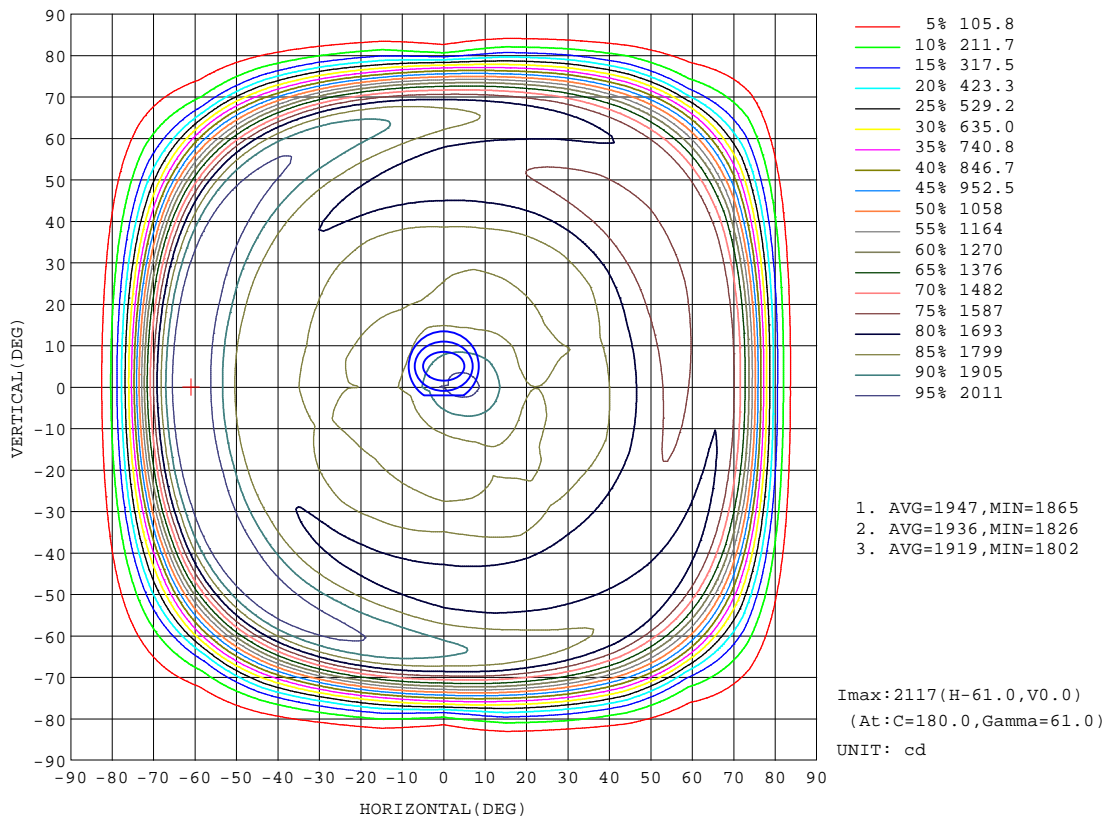
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	51	38	30	50	38	30	49	37	30	23
0.80	60	47	39	59	47	39	57	46	38	30
1.00	69	56	47	67	55	47	65	57	46	38
1.25	76	64	55	75	63	55	72	61	54	46
1.50	82	70	62	80	69	61	77	67	60	51
2.00	90	80	72	88	78	71	84	76	70	61
2.50	95	86	79	93	84	78	89	81	76	67
3.00	99	91	84	97	89	83	92	86	81	72
4.00	104	97	92	102	96	91	97	92	88	79
5.00	107	102	97	105	100	96	100	96	92	83
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:221.25V I:0.2989A P:65.005W PF:0.9829 Freq:50.00Hz Lamp Flux:8451.76x1 lm		
NAME: 庭院灯65W	TYPE:	WEIGHT:
SPEC.:65W	DIM.:	SERIAL No.:
MFR.:	SUR.:255*255mm	Shielding Angle:



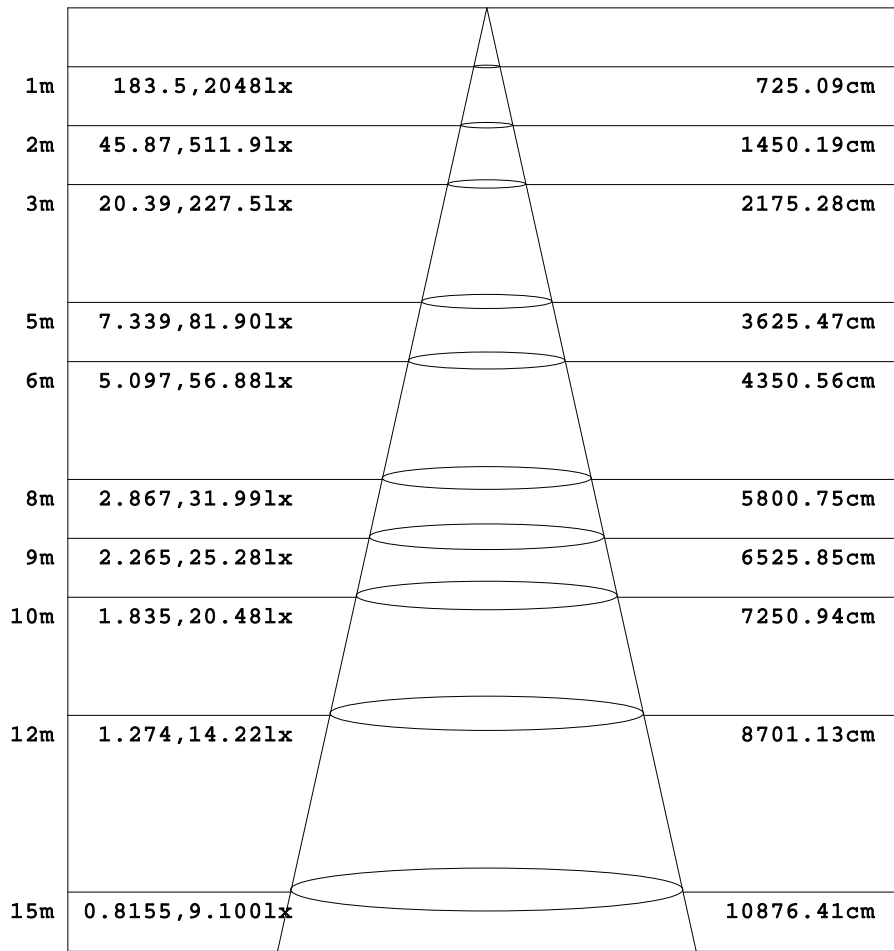
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

AAI Figure

Test:U:221.25V I:0.2989A P:65.005W PF:0.9829 Freq:50.00Hz Lamp Flux:8451.76x1 lm		
NAME: 庭院灯65W	TYPE:	WEIGHT:
SPEC.:65W	DIM.:	SERIAL No.:
MFR.:	SUR.:255*255mm	Shielding Angle:

Flux out:8029 lm



Height Eavg, Emax Angle:149.16deg Diameter

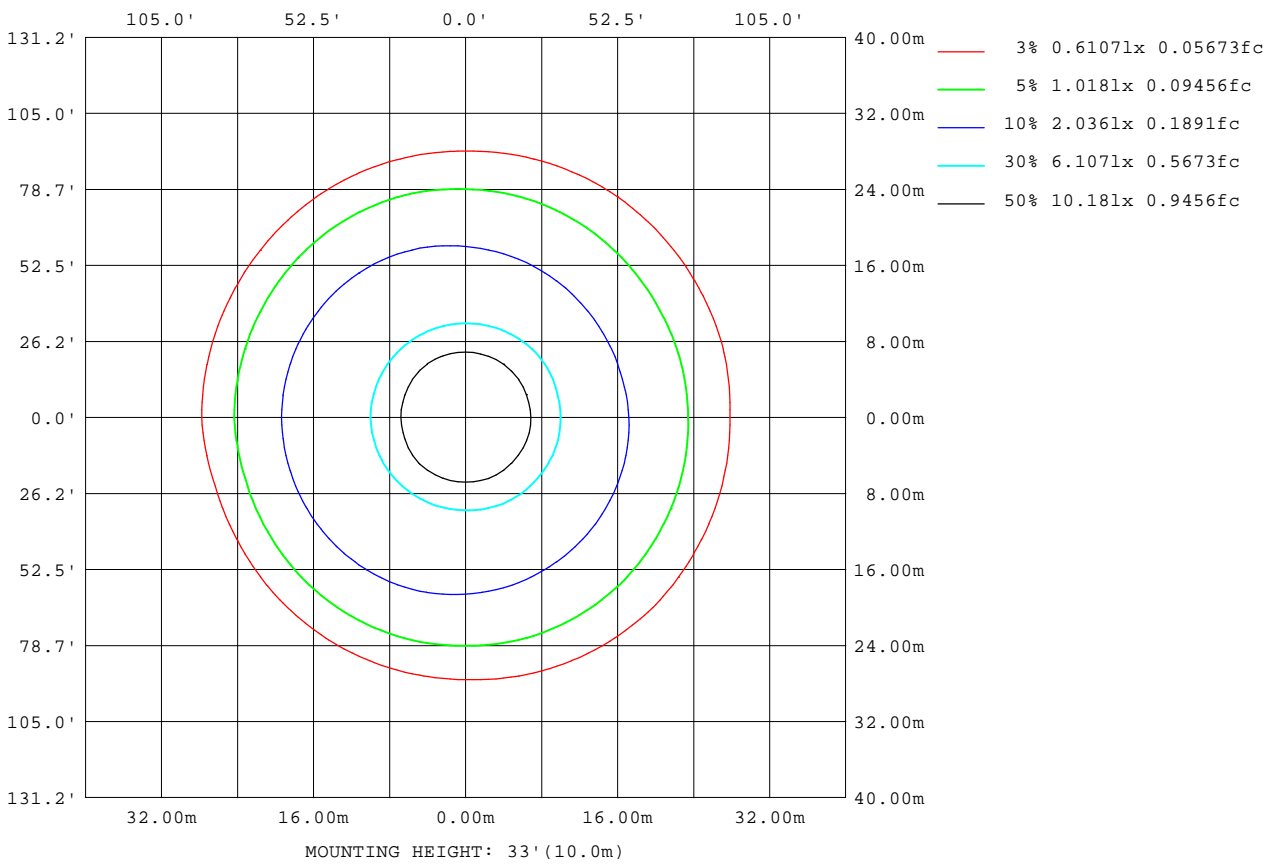
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:221.25V I:0.2989A P:65.005W PF:0.9829 Freq:50.00Hz Lamp Flux:8451.76x1 lm		
NAME: 庭院灯65W	TYPE:	WEIGHT:
SPEC.:65W	DIM.:	SERIAL No.:
MFR.:	SUR.:255*255mm	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:221.25V I:0.2989A P:65.005W PF:0.9829 Freq:50.00Hz Lamp Flux:8451.76x1 lm		
NAME: 庭院灯65W	TYPE:	WEIGHT:
SPEC.:65W	DIM.:	SERIAL No.:
MFR.:	SUR.:255*255mm	Shielding Angle:

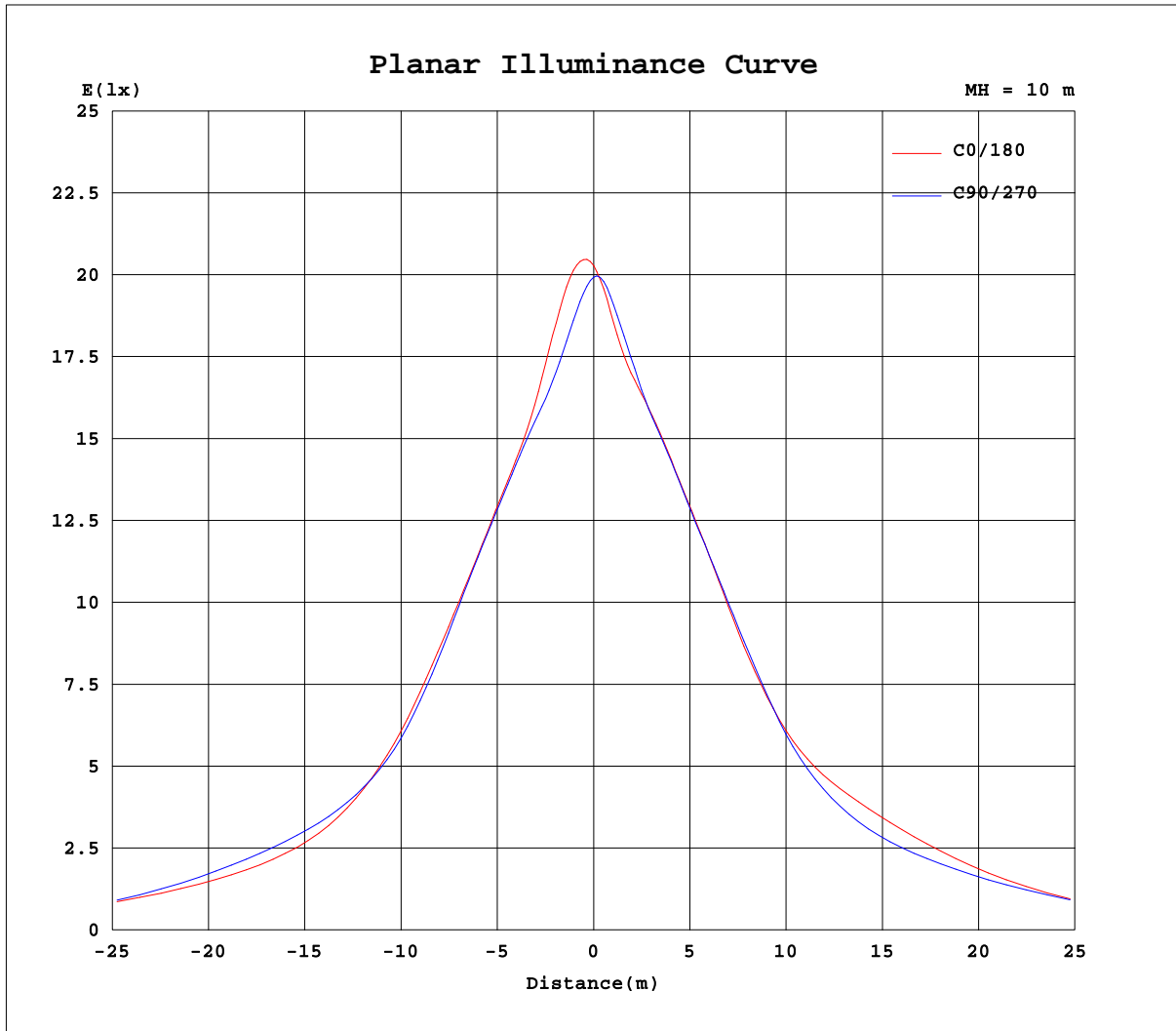
AvgL	cd/m2
L_0~180(65)av	86247
L_0~180(75)av	71367
L_0~180(85)av	10159
L_90~270(65)av	86697
L_90~270(75)av	71195
L_90~270(85)av	8325
L_45(65)av	86349
L_45(75)av	75038
L_45(85)av	12360

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2021-03-18

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

