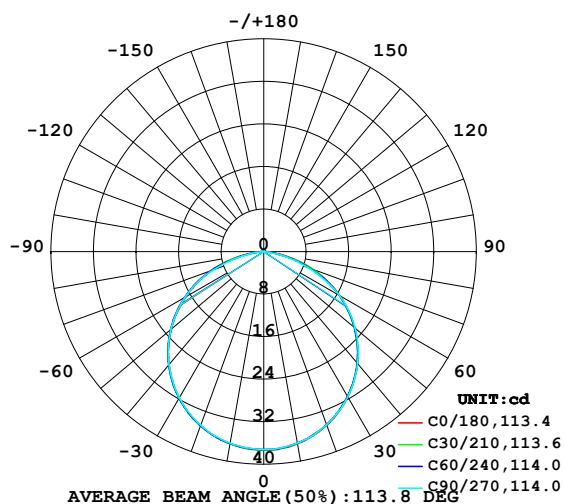


LUMINAIRE PHOTOMETRIC TEST REPORT

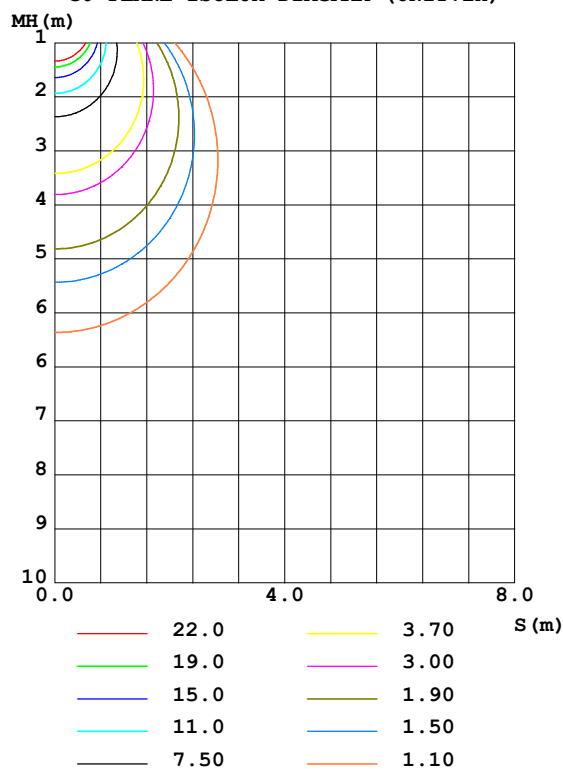
Test:U:12.000V I:0.1080A P:1.2960W PF:1.0000 Freq:0Hz Lamp Flux:105.599x1 lm		
NAME: Hardscape Light 3W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Lutou Technology Co., LTD	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 81.48 lm/W			
MODEL	CP.FX.2701.330S	Imax(cd)	37.33	S/MH(C0/180)	1.27
NOMINAL POWER(W)	3	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	105.60	η UP,DN(C0-180)	0.0,49.7
NOMINAL FLUX(lm)	105.599	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.2
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	12	η down(%)	99.9	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:SEN PU
 Test Date:2020-09-26

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [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	36.70	36.52	36.53	36.54	36.70	36.71	36.58	36.50	0- 10	3.522	3.522	3.34,3.34
20	34.73	34.60	34.64	34.73	34.84	34.87	34.74	34.56	10- 20	10.10	13.62	12.9,12.9
30	31.60	31.49	31.57	31.75	31.80	31.86	31.77	31.46	20- 30	15.35	28.98	27.4,27.4
40	27.44	27.34	27.47	27.71	27.71	27.82	27.73	27.32	30- 40	18.59	47.57	45,45
50	22.34	22.31	22.42	22.75	22.69	22.84	22.78	22.26	40- 50	19.40	66.96	63.4,63.4
60	16.43	16.45	16.42	16.97	16.86	17.06	17.02	16.42	50- 60	17.61	84.57	80.1,80.1
70	9.915	9.718	8.946	10.41	10.40	10.62	10.07	9.986	60- 70	13.28	97.86	92.7,92.7
80	3.064	2.599	2.129	3.226	3.582	3.508	2.817	2.909	70- 80	6.792	104.6	99.1,99.1
90	0.0512	0.0511	0.0440	0.0511	0.0438	0.1021	0.0073	0.0876	80- 90	0.8932	105.5	99.9,99.9
100	0.0511	0.0511	0.0365	0.0511	0.0438	0.0803	0.0073	0.0729	90-100	0.0560	105.6	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0025	105.6	100,100
120	0	0	0	0	0	0	0	0	110-120	0	105.6	100,100
130	0	0	0	0	0	0	0	0	120-130	0	105.6	100,100
140	0	0	0	0	0	0	0	0	130-140	0	105.6	100,100
150	0	0	0	0	0	0	0	0	140-150	0	105.6	100,100
160	0	0	0	0	0	0	0	0	150-160	0	105.6	100,100
170	0	0	0	0	0	0	0	0	160-170	0	105.6	100,100
180	0	0	0	0	0	0	0	0	170-180	0	105.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 57.326 lm

%lum = 54.3%

%lamp = 54.3%

Conical surface Flux(120deg): 84.573 lm

%lum = 80.1%

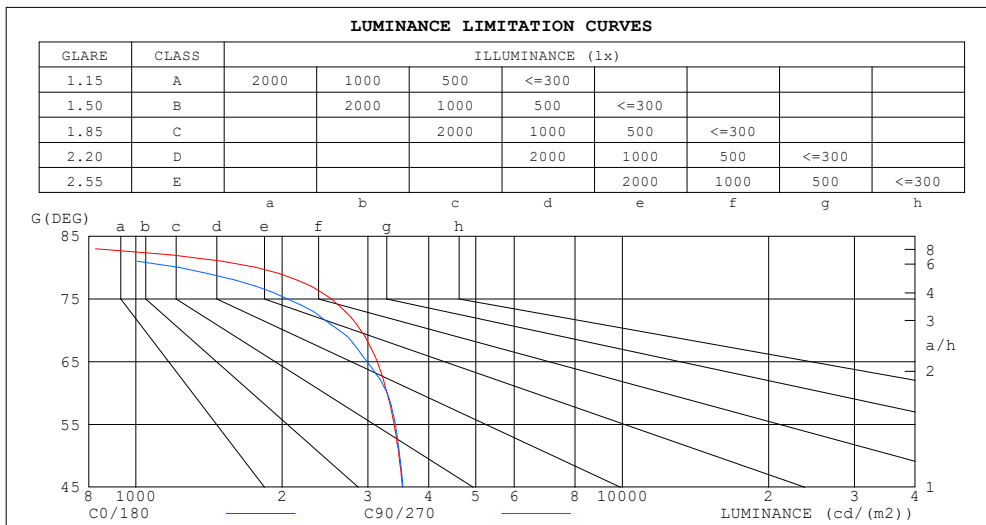
%lamp = 80.1%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:SEN PU
 Test Date:2020-09-26

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:12.000V I:0.1080A P:1.2960W PF:1.0000 Freq:0Hz Lamp Flux:105.599x1 lm		
NAME: Hardscape Light 3W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Lutou Technology Co., LTD	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	330	103
80	1765	1226
75	2520	2044
70	2899	2616
65	3135	2985
60	3286	3284
55	3399	3418
50	3475	3488
45	3535	3542

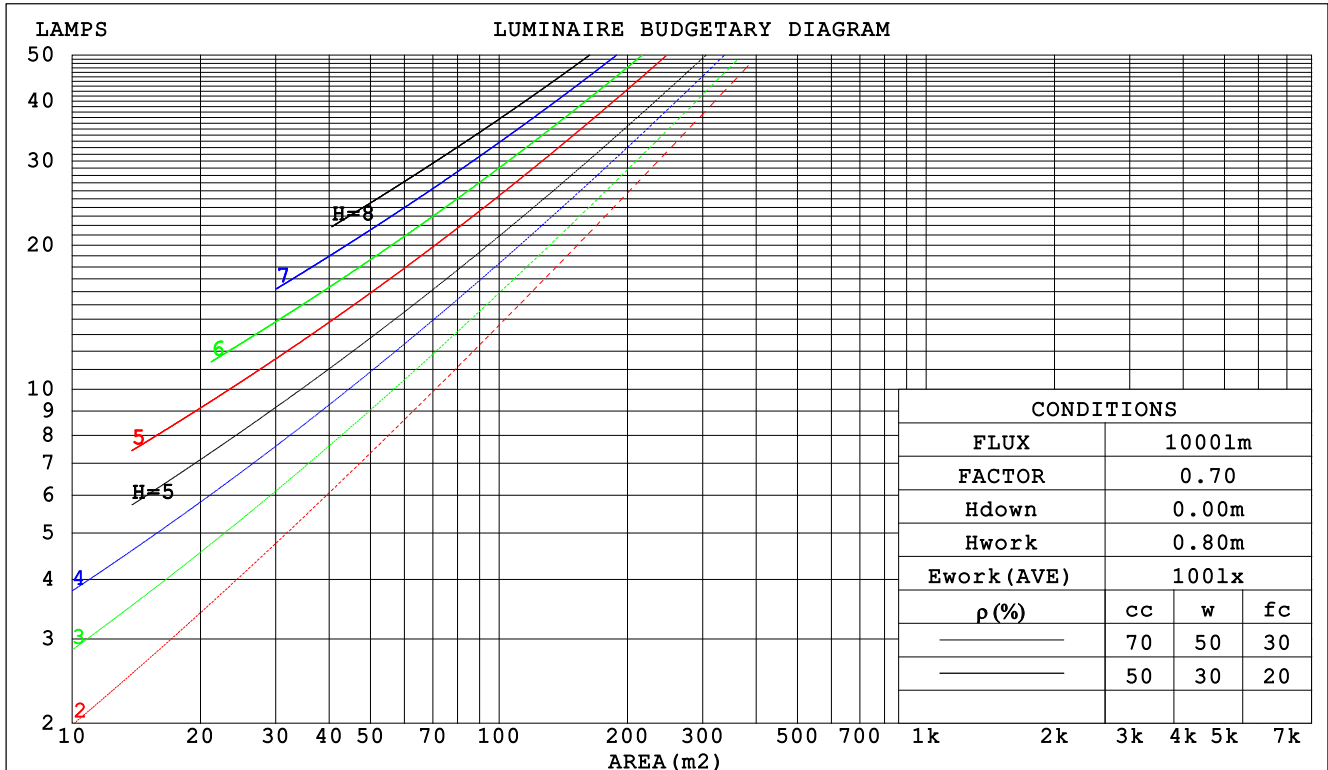
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: SEN PU
Test Date: 2020-09-26

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.000V I:0.1080A P:1.2960W PF:1.0000 Freq:0Hz Lamp Flux:105.599x1 lm		
NAME: Hardscape Light 3W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Lutou Technology Co., LTD	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	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.05	1.00	.97	1.02	.98	.95	.98	.95	.92	.94	.92	.89	.90	.88	.87	.84
2.0	.91	.84	.79	.89	.83	.78	.86	.80	.76	.82	.78	.74	.79	.76	.73	.70
3.0	.80	.72	.65	.78	.71	.65	.75	.69	.64	.73	.67	.63	.70	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.60	.54	.65	.58	.53	.62	.57	.53	.51
5.0	.63	.54	.48	.62	.54	.47	.60	.52	.47	.58	.51	.46	.56	.50	.46	.44
6.0	.57	.48	.41	.56	.47	.41	.54	.47	.41	.52	.46	.41	.51	.45	.40	.38
7.0	.51	.43	.37	.51	.42	.36	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.38	.33	.46	.38	.32	.45	.38	.32	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: SEN PU
 Test Date: 2020-09-26

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:12.000V I:0.1080A P:1.2960W PF:1.0000 Freq:0Hz Lamp Flux:105.599x1 lm		
NAME: Hardscape Light 3W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Lutou Technology Co., LTD	SUR.:	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	.297	.169	.054	.290	.166	.053	.277	.159	.051	.265	.153	.049	.254	.147	.047		
2.0	.285	.156	.048	.279	.154	.047	.267	.149	.046	.256	.144	.045	.246	.139	.044		
3.0	.266	.142	.042	.260	.139	.042	.250	.136	.041	.241	.132	.040	.232	.128	.040		
4.0	.247	.128	.038	.242	.126	.037	.233	.123	.037	.224	.120	.036	.216	.117	.036		
5.0	.229	.116	.034	.224	.115	.034	.216	.113	.033	.209	.110	.033	.201	.108	.032		
6.0	.212	.106	.030	.209	.105	.030	.201	.103	.030	.195	.101	.030	.188	.099	.029		
7.0	.198	.098	.028	.195	.097	.028	.188	.095	.027	.182	.093	.027	.176	.092	.027		
8.0	.185	.090	.025	.182	.090	.025	.176	.088	.025	.171	.086	.025	.166	.085	.025		
9.0	.174	.084	.023	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023		
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.022	.152	.075	.021	.147	.074	.021		

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	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.157	.136	.154	.134	.117	.105	.093	.081	.061	.054	.047	.019	.017	.015	
2.0	.172	.132	.099	.147	.114	.086	.101	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.164	.115	.075	.141	.099	.065	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.059	.134	.088	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.149	.091	.048	.128	.079	.042	.088	.055	.029	.051	.032	.017	.016	.011	.006	
6.0	.142	.083	.040	.122	.072	.035	.084	.050	.024	.049	.029	.015	.016	.010	.005	
7.0	.136	.076	.034	.117	.066	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.061	.025	.077	.043	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.065	.026	.106	.056	.022	.073	.040	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.061	.023	.101	.053	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:SEN PU
 Test Date:2020-09-26

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:12.000V I:0.1080A P:1.2960W PF:1.0000 Freq:0Hz Lamp Flux:105.599x1 lm										
NAME: Hardscape Light 3W 3000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: Lutou Technology Co., LTD					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	17.2	18.7	17.4	18.9	19.1	17.2	18.7	17.4	18.9	19.1
3H	18.6	20.0	18.9	20.2	20.5	18.4	19.8	18.7	20.1	20.3
4H	19.1	20.5	19.5	20.7	21.0	18.8	20.1	19.1	20.4	20.7
6H	19.4	20.7	19.7	20.9	21.2	18.9	20.2	19.3	20.5	20.7
8H	19.4	20.6	19.8	20.9	21.2	18.9	20.1	19.3	20.4	20.7
12H	19.4	20.5	19.7	20.8	21.1	18.9	20.0	19.2	20.3	20.6
4H 2H	17.8	19.1	18.1	19.3	19.6	17.8	19.1	18.1	19.3	19.6
3H	19.4	20.5	19.7	20.8	21.1	19.2	20.3	19.5	20.6	20.9
4H	20.0	21.1	20.4	21.4	21.7	19.7	20.7	20.0	21.0	21.4
6H	20.4	21.3	20.8	21.6	22.0	19.8	20.8	20.2	21.1	21.5
8H	20.4	21.3	20.8	21.6	22.0	19.8	20.7	20.3	21.1	21.5
12H	20.4	21.2	20.8	21.5	21.9	19.8	20.6	20.2	21.0	21.4
8H 4H	20.2	21.0	20.6	21.4	21.8	19.8	20.7	20.3	21.1	21.5
6H	20.6	21.3	21.0	21.7	22.1	20.1	20.8	20.5	21.2	21.7
8H	20.6	21.3	21.1	21.7	22.2	20.1	20.8	20.6	21.2	21.6
12H	20.6	21.2	21.1	21.6	22.1	20.1	20.6	20.6	21.1	21.6
12H 4H	20.1	20.9	20.6	21.3	21.7	19.8	20.6	20.3	21.0	21.4
6H	20.6	21.2	21.0	21.6	22.1	20.1	20.7	20.6	21.2	21.6
8H	20.6	21.2	21.1	21.6	22.1	20.1	20.7	20.6	21.1	21.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.4				

CIE Pub.117, 105.6 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -7.8$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: SEN PU
 Test Date: 2020-09-26

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:12.000V I:0.1080A P:1.2960W PF:1.0000 Freq:0Hz Lamp Flux:105.599x1 lm		
NAME: Hardscape Light 3W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Lutou Technology Co., LTD	SUR.:	Shielding Angle:

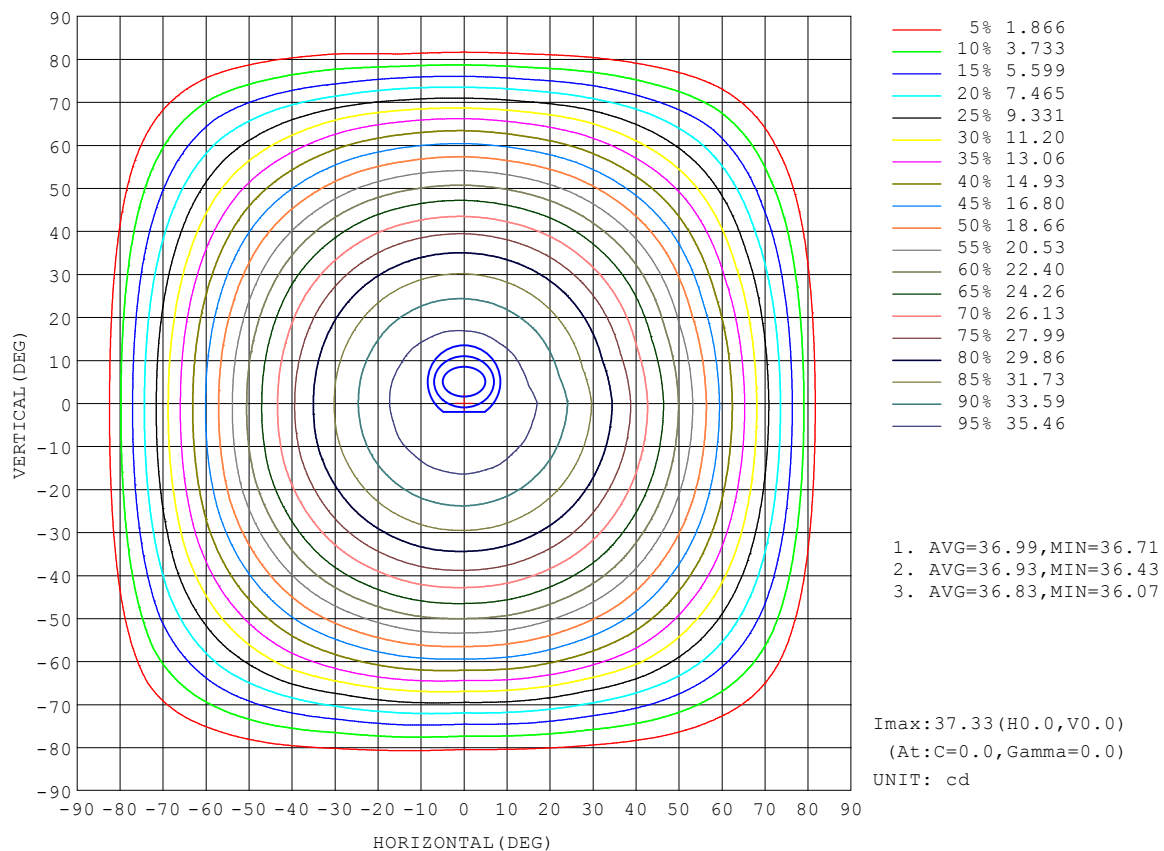
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	49	65	55	48	41
1.00	76	65	58	75	65	58	73	66	57	50
1.25	84	73	66	82	72	66	79	71	65	58
1.50	89	79	72	87	78	71	84	76	70	63
2.00	95	87	81	94	86	80	90	84	79	71
2.50	99	92	86	97	90	85	94	88	83	75
3.00	103	96	91	101	95	90	97	92	87	79
4.00	107	101	97	104	99	95	100	96	93	84
5.00	109	104	101	107	103	99	102	99	96	87
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: SEN PU
 Test Date: 2020-09-26

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:12.000V I:0.1080A P:1.2960W PF:1.0000 Freq:0Hz Lamp Flux:105.599x1 lm		
NAME: Hardscape Light 3W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Lutou Technology Co., LTD	SUR.:	Shielding Angle:

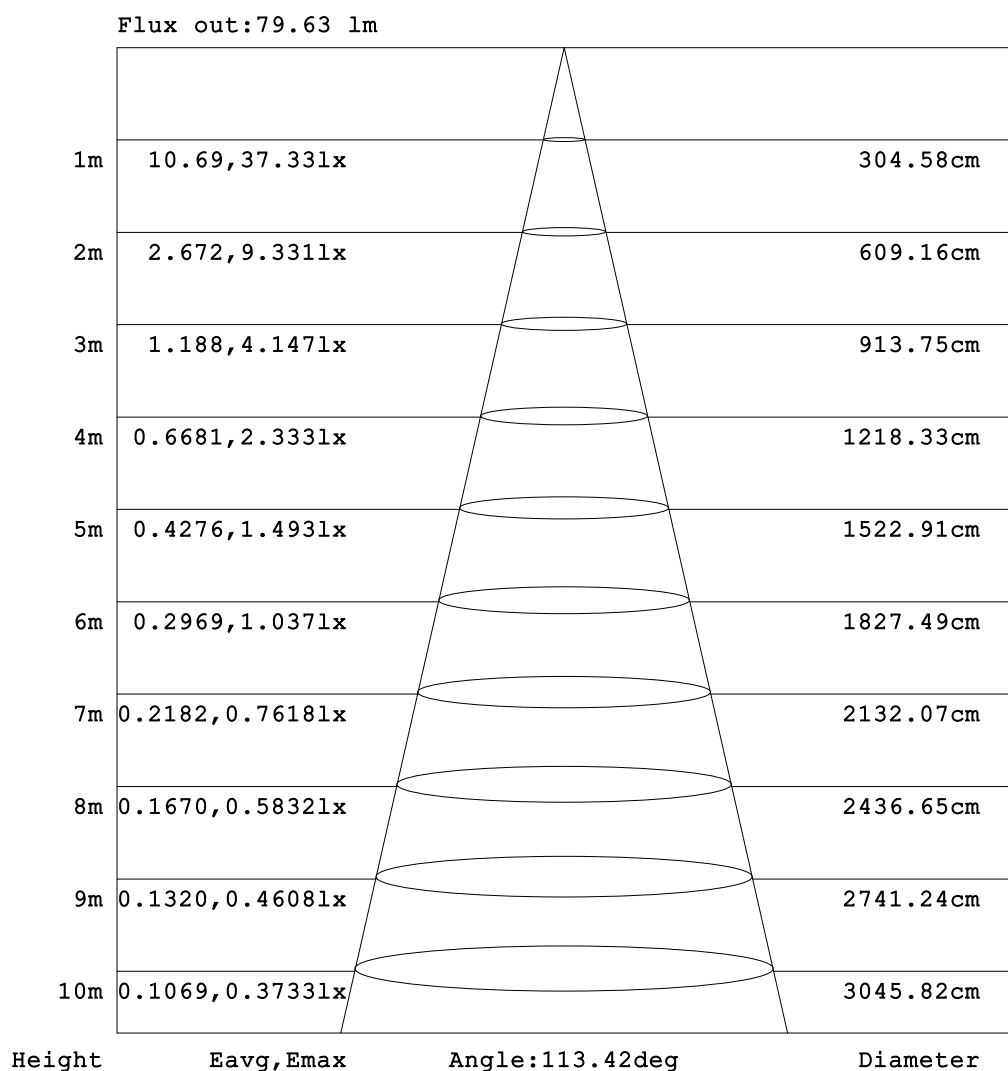


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: SEN PU
Test Date: 2020-09-26

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:12.000V I:0.1080A P:1.2960W PF:1.0000 Freq:0Hz Lamp Flux:105.599x1 lm		
NAME: Hardscape Light 3W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Lutou Technology Co., LTD	SUR.:	Shielding Angle:



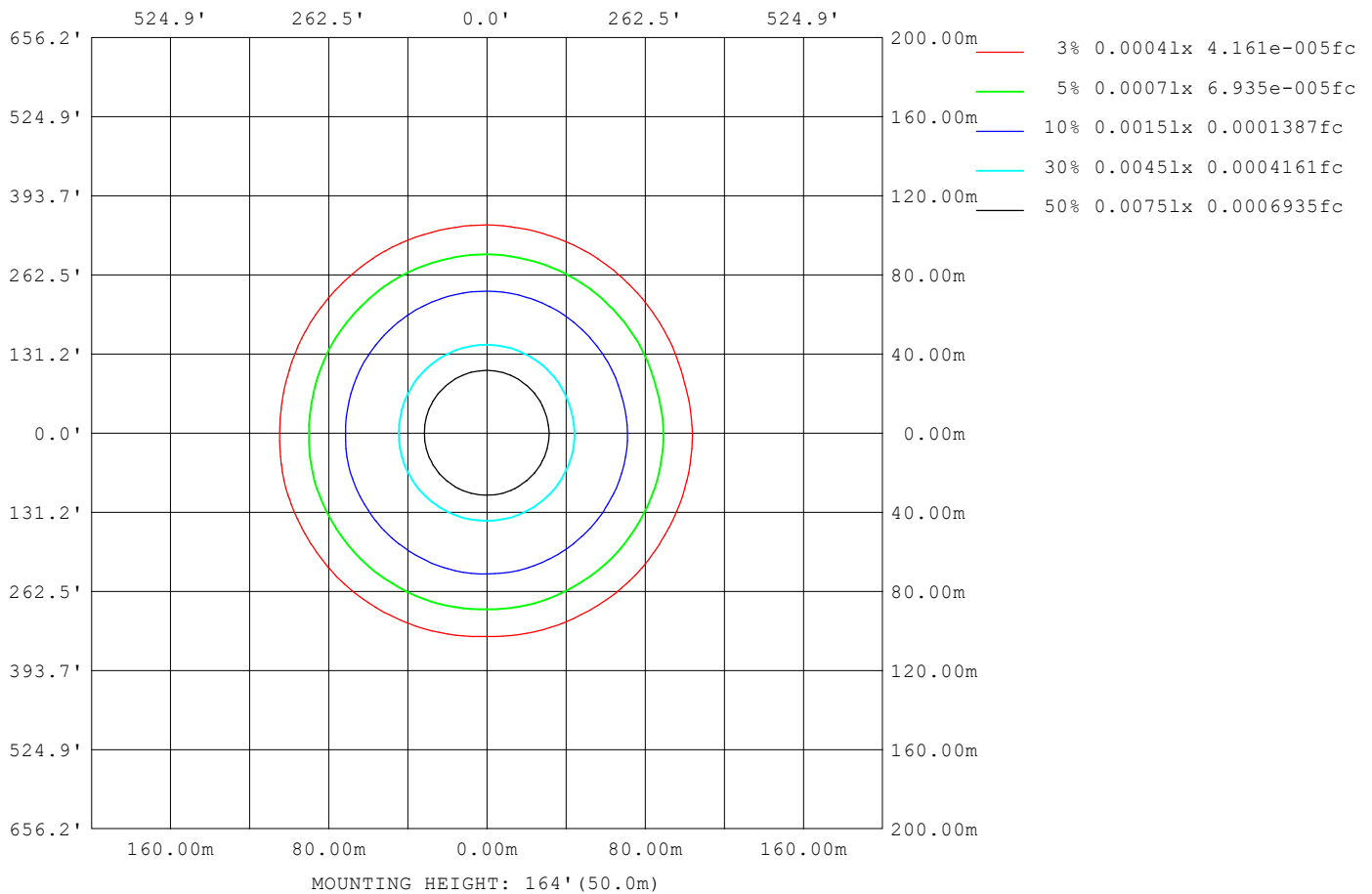
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: SEN PU
 Test Date: 2020-09-26

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:12.000V I:0.1080A P:1.2960W PF:1.0000 Freq:0Hz Lamp Flux:105.599x1 lm		
NAME: Hardscape Light 3W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Lutou Technology Co., LTD	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: SEN PU
Test Date: 2020-09-26

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:12.000V I:0.1080A P:1.2960W PF:1.0000 Freq:0Hz Lamp Flux:105.599x1 lm		
NAME: Hardscape Light 3W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Lutou Technology Co., LTD	SUR.:	Shielding Angle:

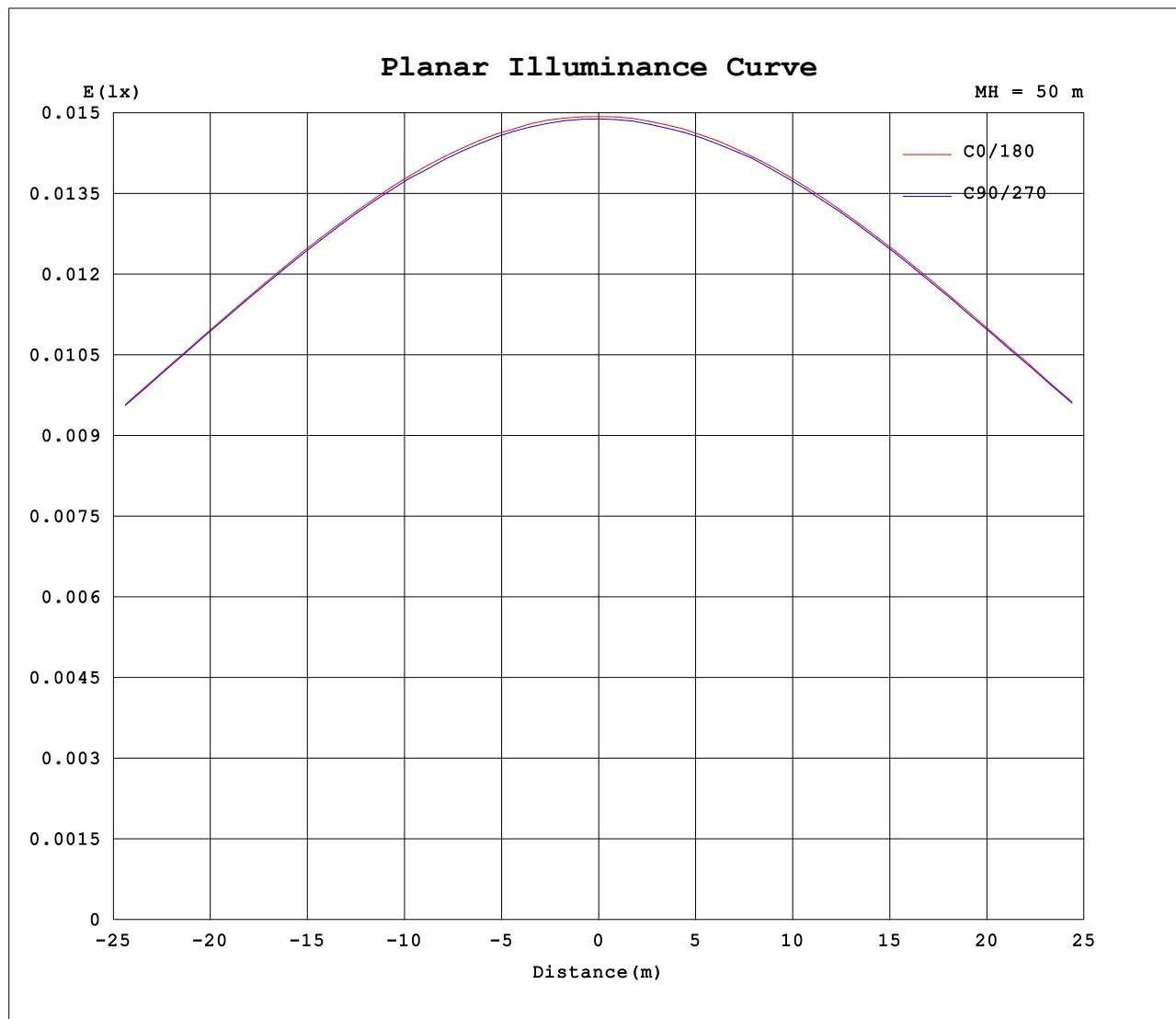
AvgL	cd/m2
L_0~180 (65) av	3188
L_0~180 (75) av	2611
L_0~180 (85) av	390
L_90~270 (65) av	3133
L_90~270 (75) av	2232
L_90~270 (85) av	209
L_45 (65) av	3208
L_45 (75) av	2524
L_45 (85) av	449

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:SEN PU
 Test Date:2020-09-26

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: SEN PU
Test Date: 2020-09-26

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.000V I:0.1080A P:1.2960W PF:1.0000 Freq:0Hz Lamp Flux:105.599x1 lm		
NAME: Hardscape Light 3W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Lutou Technology Co., LTD	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	37.3	37.3	37.2	37.2	37.2	37.2	37.2	37.2	37.1	37.1	37.1	37.1	37.3	37.3	37.2	37.2	37.2	37.2	37.2
5	37.2	37.1	37.1	37.0	37.1	37.0	37.1	37.0	37.0	37.0	37.1	37.0	37.2	37.2	37.1	37.2	37.1	37.1	37.0
10	36.7	36.6	36.6	36.5	36.6	36.5	36.5	36.5	36.6	36.5	36.6	36.6	36.7	36.7	36.7	36.7	36.6	36.7	36.6
15	35.9	35.8	35.8	35.7	35.7	35.7	35.8	35.7	35.8	35.8	35.9	35.9	35.9	36.0	35.9	36.0	35.9	35.9	35.8
20	34.7	34.6	34.6	34.6	34.6	34.6	34.6	34.7	34.7	34.7	34.8	34.8	34.8	34.9	34.8	34.9	34.8	34.8	34.7
25	33.3	33.2	33.2	33.2	33.2	33.2	33.2	33.3	33.3	33.4	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.4	33.4
30	31.6	31.5	31.5	31.5	31.5	31.6	31.6	31.6	31.7	31.7	31.8	31.9	31.8	31.8	31.8	31.9	31.9	31.8	31.8
35	29.6	29.6	29.5	29.5	29.6	29.6	29.6	29.7	29.8	29.8	29.9	30.0	29.9	29.9	29.9	30.0	30.0	29.9	29.9
40	27.4	27.4	27.3	27.3	27.4	27.4	27.5	27.6	27.6	27.7	27.8	27.8	27.7	27.7	27.8	27.8	27.8	27.8	27.7
45	25.0	25.0	24.9	24.9	24.9	25.0	25.0	25.2	25.2	25.3	25.4	25.5	25.3	25.3	25.4	25.4	25.5	25.4	25.4
50	22.3	22.3	22.2	22.3	22.3	22.4	22.4	22.6	22.6	22.8	22.8	22.9	22.7	22.7	22.8	22.8	22.9	22.8	22.8
55	19.5	19.5	19.4	19.5	19.5	19.6	19.6	19.8	19.8	20.0	20.0	20.1	19.9	19.9	20.0	20.0	20.1	20.0	20.0
60	16.4	16.4	16.3	16.4	16.4	16.5	16.4	16.7	16.8	17.0	17.0	17.1	16.9	16.9	17.1	17.1	17.1	17.0	17.0
65	13.2	13.3	13.2	13.3	13.0	12.9	12.6	13.1	13.5	13.8	13.8	14.0	13.7	13.7	13.9	13.9	14.0	13.9	13.9
70	9.91	9.94	9.84	9.72	9.19	9.17	8.95	9.41	9.65	10.4	10.6	10.7	10.4	10.4	10.6	10.6	10.6	10.3	10.1
75	6.52	6.56	6.38	6.03	5.57	5.52	5.29	5.78	6.00	6.64	7.19	7.39	6.99	7.05	7.29	7.08	6.59	6.41	6.26
80	3.06	3.15	2.78	2.60	2.36	2.22	2.13	2.47	2.70	3.23	3.61	4.04	3.58	3.69	3.85	3.51	3.28	2.83	2.82
85	0.29	0.23	0.27	0.17	0.11	0.06	0.09	0.10	0.32	0.49	0.55	0.65	0.39	0.52	0.58	0.63	0.56	0.42	0.28
90	0.05	0.06	0.08	0.05	0.07	0.03	0.04	0.02	0.06	0.05	0.07	0.04	0.04	0.07	0.06	0.10	0.06	0.06	0.01
95	0.05	0.06	0.07	0.05	0.07	0.04	0.04	0.03	0.05	0.05	0.07	0.04	0.04	0.06	0.06	0.08	0.06	0.04	0.01
100	0.05	0.06	0.07	0.05	0.06	0.04	0.04	0.03	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.08	0.06	0.04	0.01
105	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	0.00	0.00	0.00	0.00	0.00	0.00
110	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	0.00	0.00	0.00	0.00	0.00	0.00
115	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	0.00	0.00	0.00	0.00	0.00	0.00
120	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	0.00	0.00	0.00	0.00	0.00	0.00
125	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	0.00	0.00	0.00	0.00	0.00	0.00
130	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	0.00	0.00	0.00	0.00	0.00	0.00
135	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	0.00	0.00	0.00	0.00	0.00	0.00
140	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	0.00	0.00	0.00	0.00	0.00	0.00
145	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	0.00	0.00	0.00	0.00	0.00	0.00
150	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	0.00	0.00	0.00	0.00	0.00	0.00
155	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	0.00	0.00	0.00	0.00	0.00	0.00
160	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	0.00	0.00	0.00	0.00	0.00	0.00
165	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	0.00	0.00	0.00	0.00	0.00	0.00
170	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	0.00	0.00	0.00	0.00	0.00	0.00
175	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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:SEN PU
 Test Date:2020-09-26

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.000V I:0.1080A P:1.2960W PF:1.0000 Freq:0Hz Lamp Flux:105.599x1 lm		
NAME: Hardscape Light 3W 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Lutou Technology Co., LTD	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	37.2	37.1	37.1	37.1	37.1														
5	37.1	37.0	37.0	36.9	37.0														
10	36.6	36.5	36.5	36.4	36.4														
15	35.8	35.7	35.7	35.6	35.6														
20	34.7	34.6	34.6	34.4	34.4														
25	33.3	33.2	33.1	33.0	33.0														
30	31.7	31.6	31.5	31.3	31.2														
35	29.7	29.6	29.5	29.4	29.3														
40	27.6	27.5	27.3	27.2	27.0														
45	25.2	25.1	24.9	24.8	24.6														
50	22.6	22.5	22.3	22.2	21.9														
55	19.8	19.7	19.4	19.3	19.1														
60	16.8	16.7	16.4	16.3	16.0														
65	13.6	13.6	13.3	13.1	12.8														
70	9.96	10.2	9.99	9.85	9.53														
75	6.14	6.35	6.38	6.49	6.16														
80	2.73	2.89	2.91	2.96	2.76														
85	0.30	0.30	0.27	0.21	0.23														
90	0.05	0.04	0.09	0.07	0.04														
95	0.04	0.04	0.09	0.07	0.04														
100	0.01	0.03	0.07	0.07	0.04														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:SEN PU
 Test Date:2020-09-26

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: