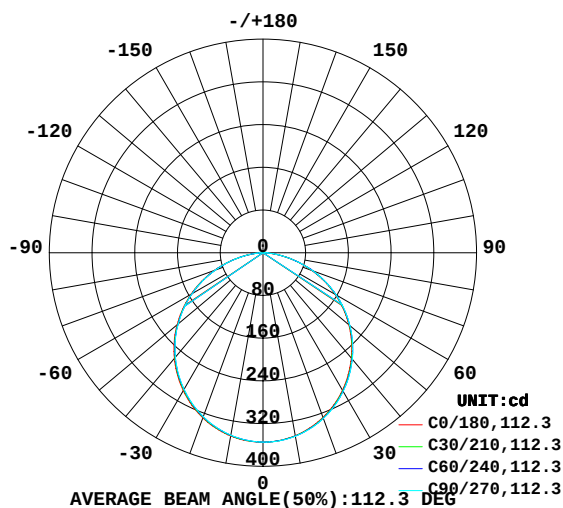


LUMINAIRE PHOTOMETRIC TEST REPORT

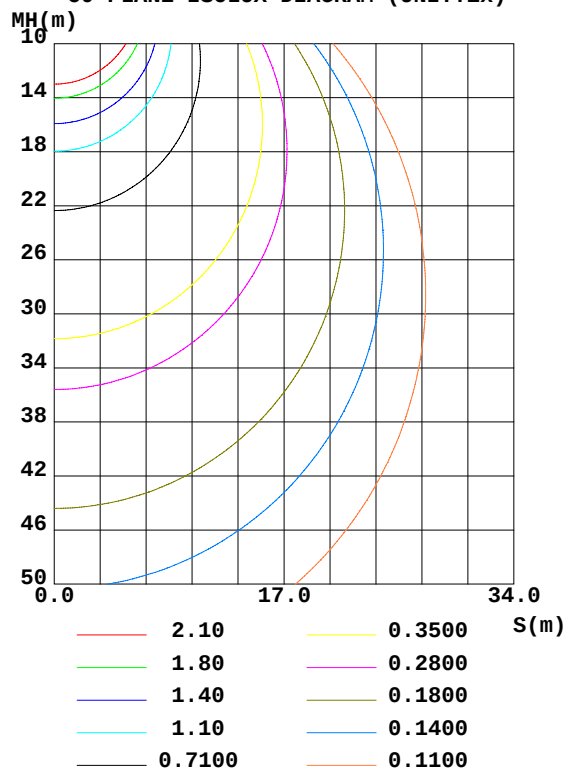
Test:U:120.00V I:0.0990A P:11.140W PF:0.9353 Freq:60.00Hz Lamp Flux:1009.4x1 lm		
NAME: LED down light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETI Solid State Lighting(Zhuhai)Ltd	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 90.61 lm/W			
MODEL	558161010	I _{max} (cd)	354.9	S/MH(C0/180)	1.25
NOMINAL POWER(W)	14	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1009.4	η UP, DN(C0-180)	0.1, 50.3
NOMINAL FLUX(lm)	1009.4	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 49.6
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	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: 25.0DEG
 Operators: Alan Wang
 Test Date: 10 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0300]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	347.9	348.5	348.9	348.5	348.4	347.5	346.9	347.0	0- 10	33.53	33.53	3.32, 3.32
20	328.3	329.7	330.2	329.7	329.2	327.6	326.9	327.1	10- 20	95.87	129.4	12.8, 12.8
30	297.5	299.2	300.1	299.3	298.5	296.5	295.6	296.1	20- 30	144.9	274.3	27.2, 27.2
40	257.4	259.4	260.2	259.3	258.2	256.1	255.3	256.1	30- 40	174.4	448.7	44.5, 44.5
50	209.9	211.8	212.4	211.4	209.9	207.9	207.3	208.3	40- 50	181.0	629.8	62.4, 62.4
60	156.2	158.0	158.4	157.2	155.7	153.8	153.6	154.8	50- 60	164.0	793.8	78.6, 78.6
70	97.72	99.17	99.50	98.03	96.71	95.21	95.29	96.65	60- 70	125.6	919.4	91.1, 91.1
80	38.98	40.08	40.20	38.85	37.83	36.75	37.34	38.57	70- 80	71.16	990.5	98.1, 98.1
90	0.7793	0.9745	0.9823	0.7034	0.4645	0.3949	0.7221	0.8475	80- 90	17.57	1008	99.9, 99.9
100	0.0587	0.0580	0.0587	0.0593	0.1137	0.1146	0.1146	0.1137	90-100	0.1168	1008	99.9, 99.9
110	0.0906	0.0903	0.0900	0.0900	0.1469	0.1482	0.1491	0.1469	100-110	0.1091	1008	99.9, 99.9
120	0.1381	0.1371	0.1371	0.1377	0.1912	0.1925	0.1935	0.1914	110-120	0.1387	1008	99.9, 99.9
130	0.1890	0.1868	0.1875	0.1884	0.2733	0.2751	0.2754	0.2751	120-130	0.1763	1009	99.9, 99.9
140	0.2377	0.2358	0.2348	0.2354	0.3460	0.3471	0.3481	0.3473	130-140	0.2030	1009	99.9, 99.9
150	0.2758	0.2746	0.2743	0.2736	0.4141	0.4148	0.4162	0.4150	140-150	0.1996	1009	100, 100
160	0.3316	0.3295	0.3287	0.3313	0.4734	0.4744	0.4757	0.4742	150-160	0.1727	1009	100, 100
170	0.3843	0.3830	0.3840	0.3843	0.4863	0.4850	0.4853	0.4853	160-170	0.1192	1009	100, 100
180	0.4688	0.4670	0.4686	0.4670	0.4679	0.4669	0.4663	0.4647	170-180	0.0425	1009	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 539.91 lm

%lum = 53.5%

%lamp = 53.5%

Conical surface Flux(120deg): 793.8 lm

%lum = 78.6%

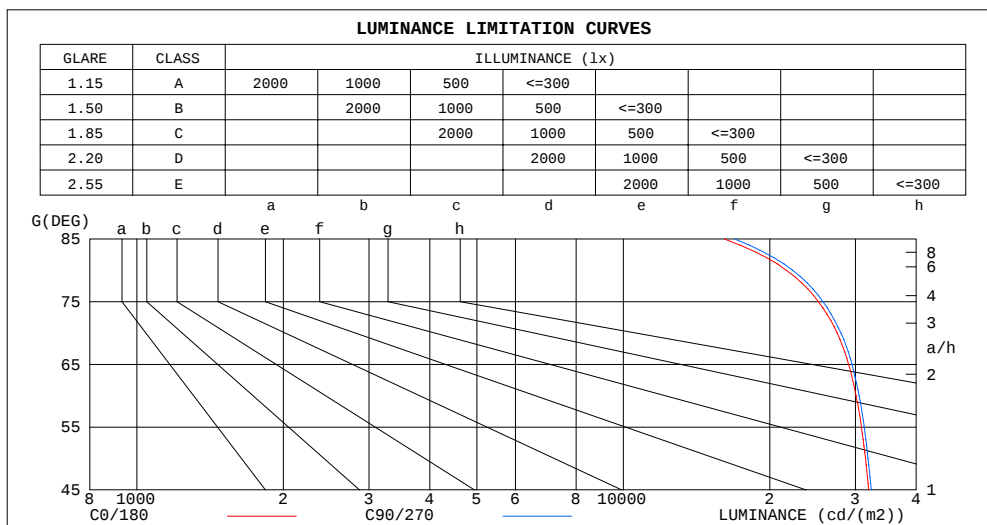
%lamp = 78.6%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 10 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0300]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.0990A P:11.140W PF:0.9353 Freq:60.00Hz Lamp Flux:1009.4x1 lm		
NAME: LED down light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETI Solid State Lighting(Zhuhai)Ltd	SUR.:	Shielding Angle:



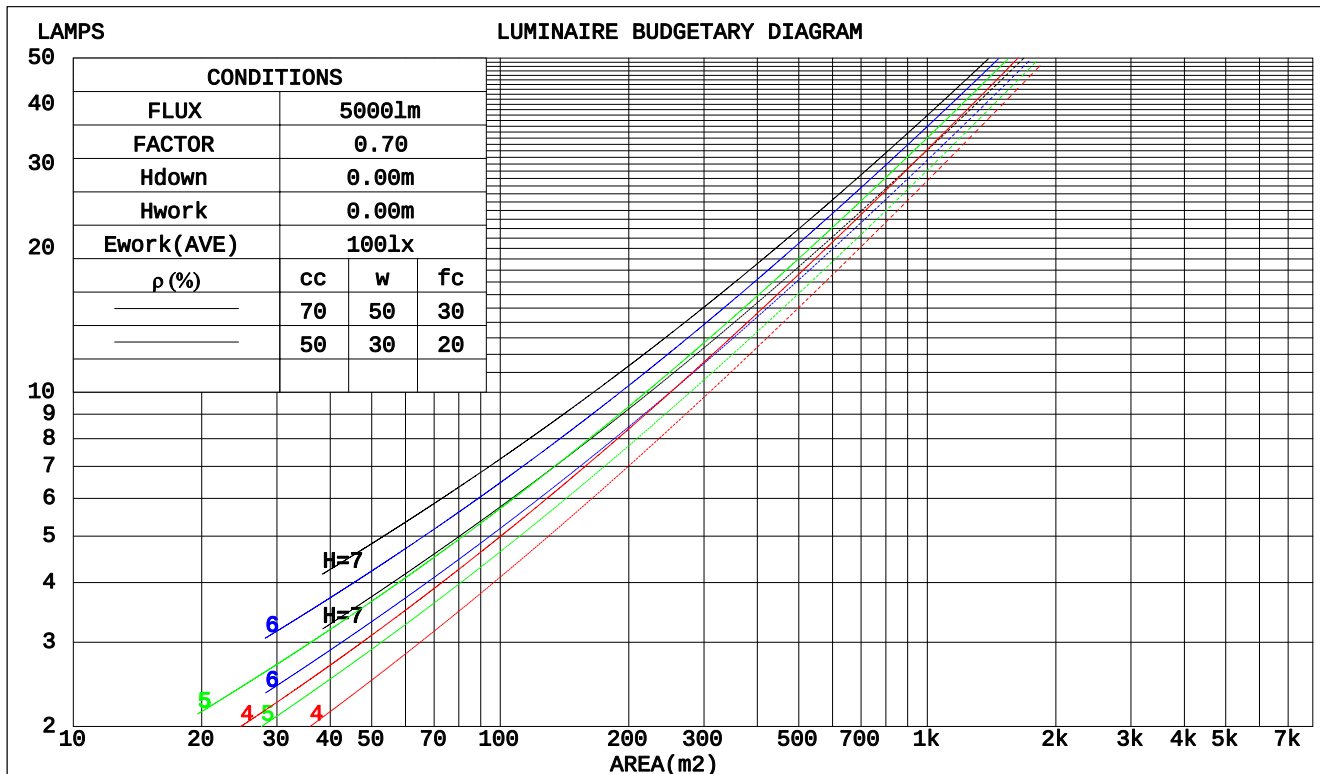
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 10 January 2022

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 45.1%
Test Distance: 2.500m [K=1.0300]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.0990A P:11.140W PF:0.9353 Freq:60.00Hz Lamp Flux:1009.4x1 lm		
NAME: LED down light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETI Solid State Lighting(Zhuhai)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	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	1.04	.90	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.90	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.69
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.58
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.57	.51	.46	.56	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.38
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.31	.30
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.39	.32	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 10 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0300]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:0.0990A P:11.140W PF:0.9353 Freq:60.00Hz Lamp Flux:1009.4x1 lm									
NAME: LED down light					TYPE: LED			WEIGHT:	
SPEC.:					DIM.:			SERIAL No.:	
MFR.: ETI Solid State Lighting(Zhuhai)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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.309	.176	.056	.302	.172	.055	.288	.165	.053	.276	.159	.051	.265	.154	.050	
2.0	.291	.160	.049	.285	.157	.048	.273	.152	.047	.263	.147	.046	.253	.143	.045	
3.0	.270	.144	.043	.264	.142	.043	.254	.138	.042	.244	.134	.041	.235	.130	.040	
4.0	.249	.130	.038	.244	.128	.038	.235	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.230	.117	.034	.226	.116	.034	.218	.113	.033	.210	.111	.033	.203	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.189	.100	.030	
7.0	.199	.098	.028	.195	.097	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.024	.171	.084	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.164	.078	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.148	.074	.021	

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	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.181	.157	.135	.155	.135	.117	.106	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.173	.133	.099	.148	.114	.086	.102	.079	.060	.059	.046	.035	.019	.015	.011	
3.0	.165	.115	.075	.142	.099	.065	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.158	.102	.059	.135	.088	.052	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.092	.048	.129	.079	.042	.089	.055	.030	.052	.032	.018	.017	.011	.006	
6.0	.143	.083	.040	.123	.072	.035	.085	.050	.025	.049	.030	.015	.016	.010	.005	
7.0	.136	.076	.034	.117	.066	.030	.081	.046	.021	.047	.027	.013	.015	.009	.004	
8.0	.130	.071	.030	.112	.061	.026	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.066	.026	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.037	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 10 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0300]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.0990A P:11.140W PF:0.9353 Freq:60.00Hz Lamp Flux:1009.4x1 lm											
NAME: LED down light					TYPE: LED			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: ETI Solid State Lighting(Zhuhai)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	24.1	25.8	24.5	26.1	26.4	24.2	25.8	24.6	26.1	26.5	
	3H	26.0	27.5	26.3	27.8	28.1	26.0	27.5	26.4	27.8	28.2
	4H	26.6	28.0	27.0	28.4	28.8	26.7	28.1	27.1	28.5	28.8
	6H	27.1	28.4	27.5	28.8	29.2	27.2	28.5	27.6	28.8	29.2
	8H	27.2	28.5	27.7	28.9	29.3	27.3	28.6	27.7	29.0	29.4
	12H	27.3	28.5	27.7	28.9	29.3	27.4	28.6	27.8	29.0	29.4
4H	2H	24.8	26.2	25.2	26.5	26.9	24.8	26.2	25.2	26.6	27.0
	3H	26.8	28.0	27.3	28.4	28.8	26.9	28.1	27.3	28.5	28.9
	4H	27.6	28.7	28.1	29.1	29.6	27.7	28.7	28.1	29.2	29.6
	6H	28.2	29.2	28.7	29.6	30.1	28.3	29.2	28.7	29.7	30.1
	8H	28.4	29.3	28.9	29.7	30.2	28.5	29.3	28.9	29.8	30.2
	12H	28.5	29.3	29.0	29.8	30.2	28.6	29.4	29.1	29.8	30.3
8H	4H	28.0	28.8	28.4	29.3	29.7	28.0	28.9	28.4	29.3	29.8
	6H	28.7	29.4	29.1	29.9	30.3	28.7	29.4	29.2	29.9	30.4
	8H	28.9	29.5	29.4	30.0	30.5	28.9	29.6	29.4	30.1	30.6
	12H	29.1	29.6	29.6	30.1	30.7	29.1	29.7	29.6	30.2	30.7
12H	4H	28.0	28.8	28.5	29.2	29.7	28.0	28.8	28.5	29.3	29.7
	6H	28.7	29.4	29.2	29.8	30.4	28.7	29.4	29.3	29.9	30.4
	8H	29.0	29.6	29.5	30.1	30.6	29.0	29.6	29.5	30.1	30.6
CIE190: 2010											

CIE190: 2010
Area: 0.0103816 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 10 January 2022

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 45.1%
Test Distance: 2.500m [K=1.0300]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.0990A P:11.140W PF:0.9353 Freq:60.00Hz Lamp Flux:1009.4x1 lm		
NAME: LED down light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETI Solid State Lighting(Zhuhai)Ltd	SUR.:	Shielding Angle:

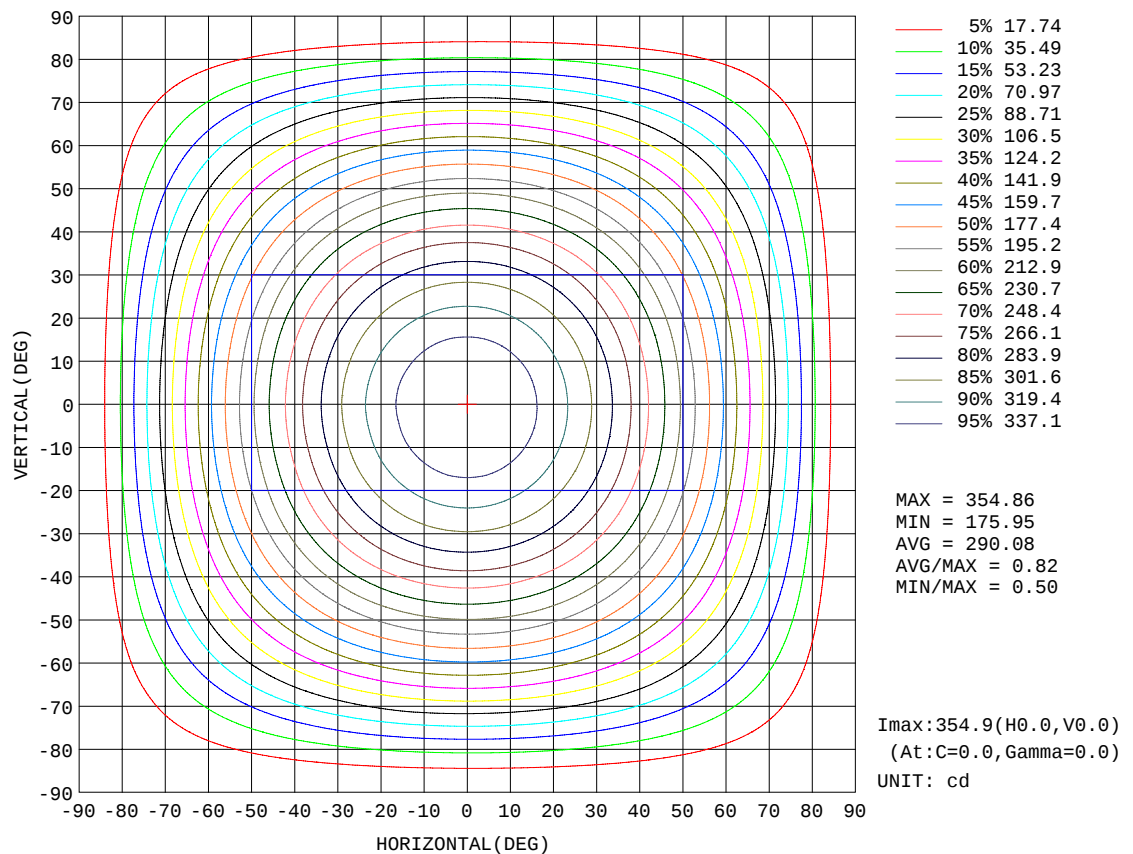
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	46	39	55	45	39	32
0.80	67	56	48	66	55	48	65	55	48	41
1.00	76	65	57	75	64	57	72	66	57	49
1.25	83	72	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	75	70	62
2.00	95	86	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	94	100	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
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: 25.0DEG
 Operators: Alan Wang
 Test Date: 10 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0300]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.0990A P:11.140W PF:0.9353 Freq:60.00Hz Lamp Flux:1009.4x1 lm		
NAME: LED down light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETI Solid State Lighting(Zhuhai)Ltd	SUR.:	Shielding Angle:



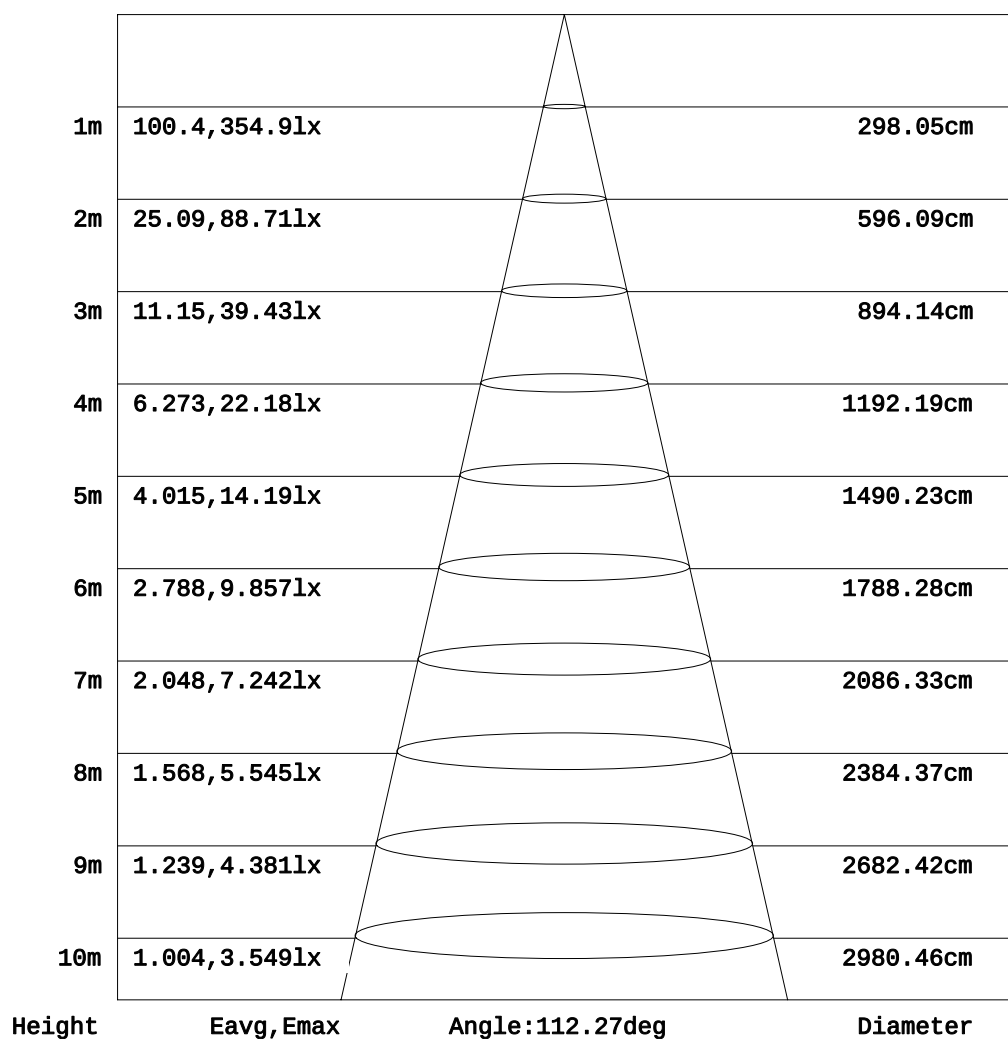
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 10 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0300]
 Remarks:

AAI Figure

Test:U:120.00V I:0.0990A P:11.140W PF:0.9353 Freq:60.00Hz Lamp Flux:1009.4x1 lm		
NAME: LED down light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETI Solid State Lighting(Zhuhai)Ltd	SUR.:	Shielding Angle:

Flux out:747.7 lm



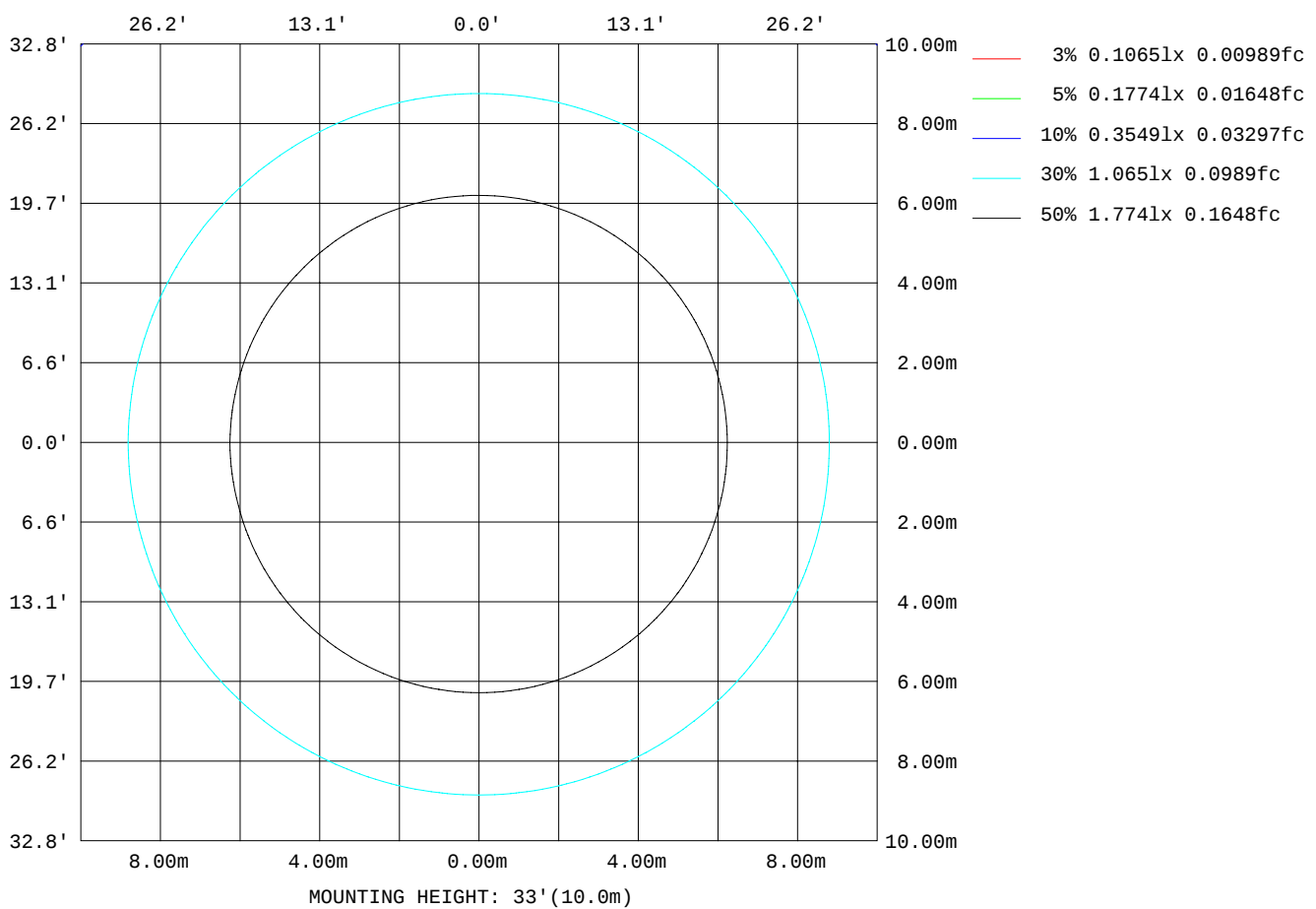
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 10 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0300]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:0.0990A P:11.140W PF:0.9353 Freq:60.00Hz Lamp Flux:1009.4x1 lm		
NAME: LED down light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETI Solid State Lighting(Zhuhai)Ltd	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 10 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0300]
 Remarks:

LED Avg.L Report

Test:U:120.00V I:0.0990A P:11.140W PF:0.9353 Freq:60.00Hz Lamp Flux:1009.4x1 lm		
NAME: LED down light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETI Solid State Lighting(Zhuhai)Ltd	SUR.:	Shielding Angle:

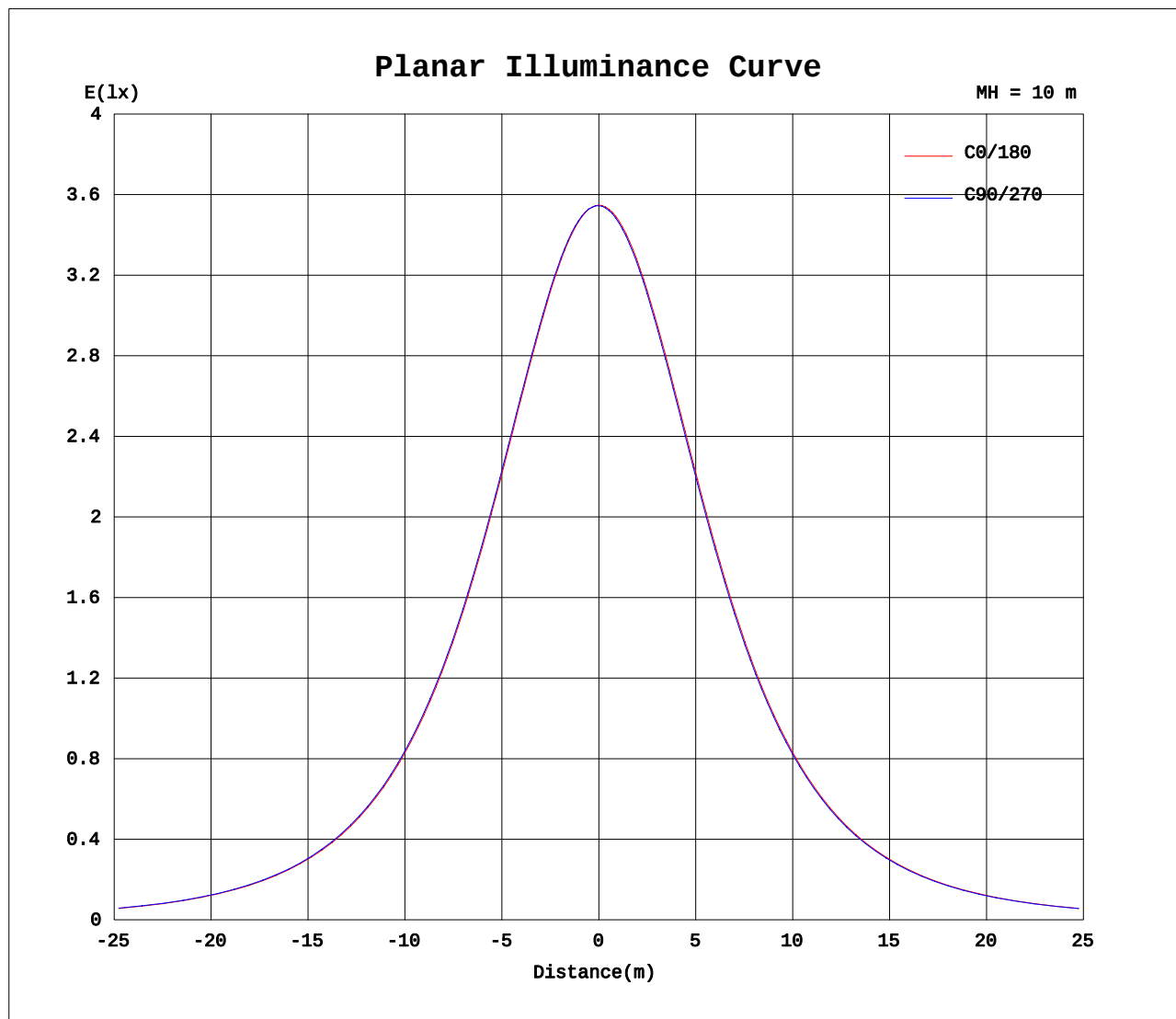
AvgL	cd/m2
L_0~180(65)av	28962
L_0~180(75)av	24985
L_0~180(85)av	15481
L_90~270(65)av	28989
L_90~270(75)av	25072
L_90~270(85)av	15933
L_45(65)av	28972
L_45(75)av	25025
L_45(85)av	15705

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 10 January 2022

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 45.1%
Test Distance: 2.500m [K=1.0300]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 10 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 45.1%
Test Distance: 2.500m [K=1.0300]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.0990A P:11.140W PF:0.9353 Freq:60.00Hz Lamp Flux:1009.4x1 lm		
NAME: LED down light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETI Solid State Lighting(Zhuhai)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	355	355	355	355	355	355	355	355	354	354	354	355	355	355	355	355	355	355	355
5	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	352	353	352
10	348	348	348	348	349	349	349	349	349	349	348	348	348	348	348	348	347	347	347
15	340	340	340	341	341	341	341	341	341	341	340	340	340	340	339	339	339	339	338
20	328	329	329	330	330	330	330	330	330	330	329	329	329	329	328	328	327	327	327
25	314	315	315	316	316	316	317	316	316	316	315	315	315	315	314	313	313	313	312
30	297	298	299	299	300	300	300	300	300	299	299	298	298	298	297	296	296	296	296
35	278	279	280	280	281	281	281	281	281	280	280	279	279	279	278	277	277	277	276
40	257	258	259	259	260	260	260	260	260	259	259	258	258	258	257	256	256	255	255
45	235	235	236	236	237	237	237	237	237	236	236	235	235	234	234	233	233	232	232
50	210	211	211	212	212	213	212	212	212	211	211	210	210	209	208	208	208	207	207
55	184	185	185	186	186	186	186	186	186	185	184	183	183	183	182	182	181	181	181
60	156	157	158	158	158	159	158	158	158	157	156	155	156	155	154	154	154	154	154
65	127	128	129	129	129	129	130	129	129	128	127	126	127	126	125	125	125	125	125
70	97.7	98.3	98.8	99.2	99.5	99.6	99.5	99.2	98.7	98.0	97.4	96.4	96.7	96.1	95.5	95.2	95.1	95.2	95.3
75	67.6	68.1	68.7	69.0	69.2	69.3	69.1	68.9	68.3	67.7	67.0	66.2	66.6	66.0	65.5	65.3	65.2	65.4	65.6
80	39.0	39.4	39.8	40.1	40.3	40.3	40.2	39.9	39.5	38.9	38.2	37.4	37.8	37.3	36.9	36.8	36.8	37.0	37.3
85	14.6	14.8	15.0	15.2	15.4	15.4	15.3	15.1	14.8	14.3	13.8	13.3	13.4	13.0	12.8	12.7	12.9	13.1	13.5
90	0.78	0.83	0.91	0.97	1.01	1.02	0.98	0.89	0.81	0.70	0.57	0.42	0.46	0.37	0.33	0.39	0.51	0.62	0.72
95	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.09	0.09	0.09	0.09	0.09	0.09	0.09
100	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.11	0.11	0.11	0.11	0.11	0.12	0.11
105	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.13	0.13	0.13	0.13	0.13	0.13	0.13
110	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.15	0.15	0.15	0.15	0.15	0.15	0.15
115	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.17	0.17	0.17	0.17	0.17	0.17	0.17
120	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.19	0.19	0.19	0.19	0.19	0.19	0.19
125	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.23	0.23	0.23	0.23	0.23	0.23	0.23
130	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.27	0.27	0.27	0.28	0.28	0.28	0.28
135	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.31	0.31	0.31	0.31	0.31	0.32	0.32
140	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.35	0.35	0.35	0.35	0.35	0.35	0.35
145	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.38	0.38	0.38	0.38	0.38	0.38	0.38
150	0.28	0.27	0.28	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.41	0.41	0.41	0.41	0.41	0.42	0.42
155	0.31	0.31	0.31	0.31	0.30	0.30	0.30	0.30	0.31	0.31	0.30	0.30	0.45	0.44	0.44	0.45	0.45	0.45	0.45
160	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.47	0.47	0.47	0.47	0.48	0.47	0.48
165	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.49	0.49	0.49	0.49	0.49	0.49	0.49
170	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.49	0.48	0.49	0.49	0.48	0.49	0.49
175	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.48	0.48	0.48	0.48	0.48	0.48	0.48
180	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 25.0DEG

Operators: Alan Wang

Test Date: 10 January 2022

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416

Humidity: 45.1%

Test Distance: 2.500m [K=1.0300]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.0990A P:11.140W PF:0.9353 Freq:60.00Hz Lamp Flux:1009.4x1 lm		
NAME: LED down light	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETI Solid State Lighting(Zhuhai)Ltd	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345													
0	355	354	354	354	355													
5	352	352	352	353	353													
10	347	347	347	347	347													
15	338	338	339	339	339													
20	327	327	327	328	328													
25	312	313	313	313	314													
30	296	296	296	297	297													
35	276	277	277	278	278													
40	255	256	256	257	257													
45	233	233	233	234	234													
50	208	208	208	209	210													
55	181	182	182	183	183													
60	154	154	155	155	156													
65	125	126	126	127	127													
70	95.7	96.1	96.6	97.4	97.9													
75	66.0	66.4	67.0	67.6	68.1													
80	37.7	38.1	38.6	39.1	39.5													
85	13.9	14.2	14.5	14.8	15.0													
90	0.77	0.81	0.85	0.88	0.94													
95	0.09	0.09	0.09	0.09	0.09													
100	0.11	0.11	0.11	0.11	0.11													
105	0.13	0.13	0.13	0.13	0.13													
110	0.15	0.15	0.15	0.15	0.15													
115	0.17	0.17	0.16	0.16	0.16													
120	0.19	0.19	0.19	0.19	0.19													
125	0.23	0.23	0.23	0.23	0.23													
130	0.28	0.28	0.28	0.27	0.27													
135	0.31	0.32	0.31	0.31	0.31													
140	0.35	0.35	0.35	0.35	0.35													
145	0.38	0.38	0.38	0.38	0.38													
150	0.42	0.42	0.42	0.41	0.41													
155	0.45	0.45	0.45	0.45	0.45													
160	0.48	0.48	0.47	0.47	0.47													
165	0.49	0.49	0.49	0.49	0.49													
170	0.49	0.49	0.49	0.48	0.49													
175	0.48	0.48	0.48	0.48	0.48													
180	0.47	0.46	0.46	0.46	0.47													

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 10 January 2022

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 45.1%
 Test Distance: 2.500m [K=1.0300]
 Remarks: