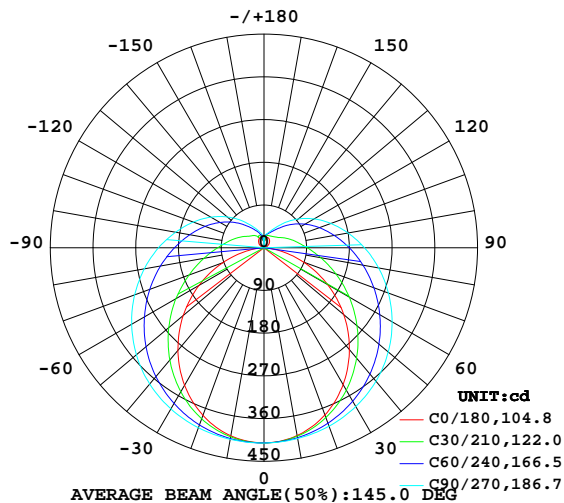


LUMINAIRE PHOTOMETRIC TEST REPORT

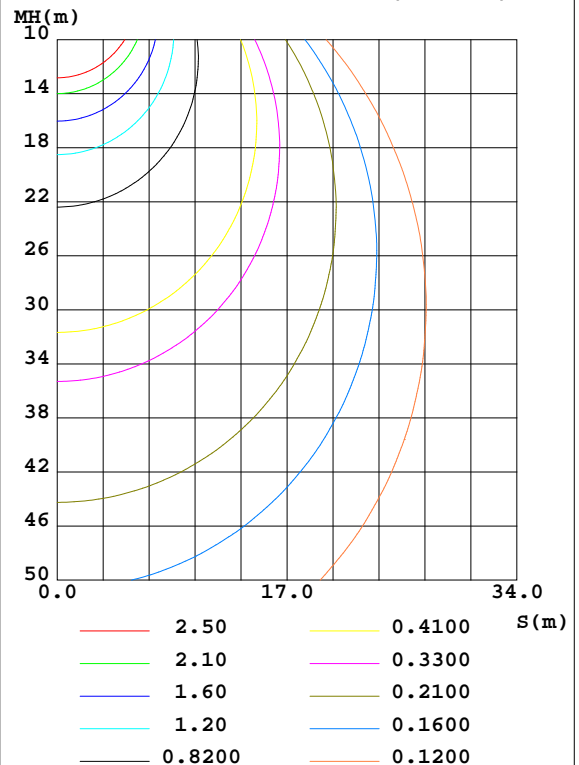
Test:U:120.0V I:0.2485A P:26.05W PF:0.8734 Freq:60.00Hz Lamp Flux:2045.83x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.53 lm/W			
MODEL	C06015301A	Imax(cd)	411.7	S/MH(C0/180)	1.22
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.44
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2045.8	η UP,DN(C0-180)	10.9,38.3
NOMINAL FLUX(lm)	2045.83	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	11.6,39.2
LAMPS INSIDE	1	η up(%)	22.4	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	77.6	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Alan Wang
Test Date:27 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity:41.5%
Test Distance:2.500m [K=1.0250]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	401.7	404.6	408.1	405.2	402.4	406.7	409.7	405.9	0- 10	38.99	38.99	1.91,1.91
20	374.9	386.9	400.1	387.9	375.9	390.4	403.7	390.0	10- 20	112.6	151.6	7.41,7.41
30	333.3	360.3	386.5	361.0	334.6	365.1	392.1	364.1	20- 30	173.7	325.3	15.9,15.9
40	279.8	326.1	367.0	326.9	282.2	332.3	374.6	330.8	30- 40	216.5	541.8	26.5,26.5
50	219.4	288.0	341.7	288.4	222.6	295.2	350.9	293.5	40- 50	238.0	779.8	38.1,38.1
60	154.7	247.6	311.6	248.0	157.8	255.8	321.9	253.8	50- 60	238.2	1018	49.8,49.8
70	88.54	208.2	278.8	208.7	92.73	216.7	289.9	214.6	60- 70	220.5	1238	60.5,60.5
80	29.08	172.3	245.1	172.7	33.06	180.6	256.0	178.0	70- 80	190.8	1429	69.9,69.9
90	0.1436	141.1	211.7	141.3	0.1805	149.2	222.3	146.5	80- 90	157.4	1587	77.6,77.6
100	1.510	115.2	179.9	115.2	1.412	122.7	189.2	120.3	90-100	128.4	1715	83.8,83.8
110	4.711	93.56	150.0	93.65	4.449	100.7	158.5	98.41	100-110	102.7	1818	88.8,88.8
120	9.613	74.23	121.8	74.49	9.233	80.61	129.2	78.69	110-120	79.12	1897	92.7,92.7
130	14.42	57.10	94.66	57.58	13.98	62.82	101.2	61.27	120-130	57.92	1955	95.5,95.5
140	18.49	43.83	69.58	43.91	17.95	48.28	75.44	47.62	130-140	39.81	1995	97.5,97.5
150	21.88	35.45	49.36	35.18	21.50	38.28	54.36	39.23	140-150	25.70	2020	98.7,98.7
160	23.25	30.54	36.35	30.48	23.58	27.83	39.86	34.28	150-160	15.59	2036	99.5,99.5
170	17.29	27.09	29.24	22.69	17.33	20.47	30.35	29.75	160-170	8.059	2044	99.9,99.9
180	22.43	15.71	0	16.85	21.01	18.86	5.871	12.27	170-180	1.935	2046	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 659.49 lm

%lum = 32.2%

%lamp = 32.2%

Conical surface Flux(120deg): 1018 lm

%lum = 49.8%

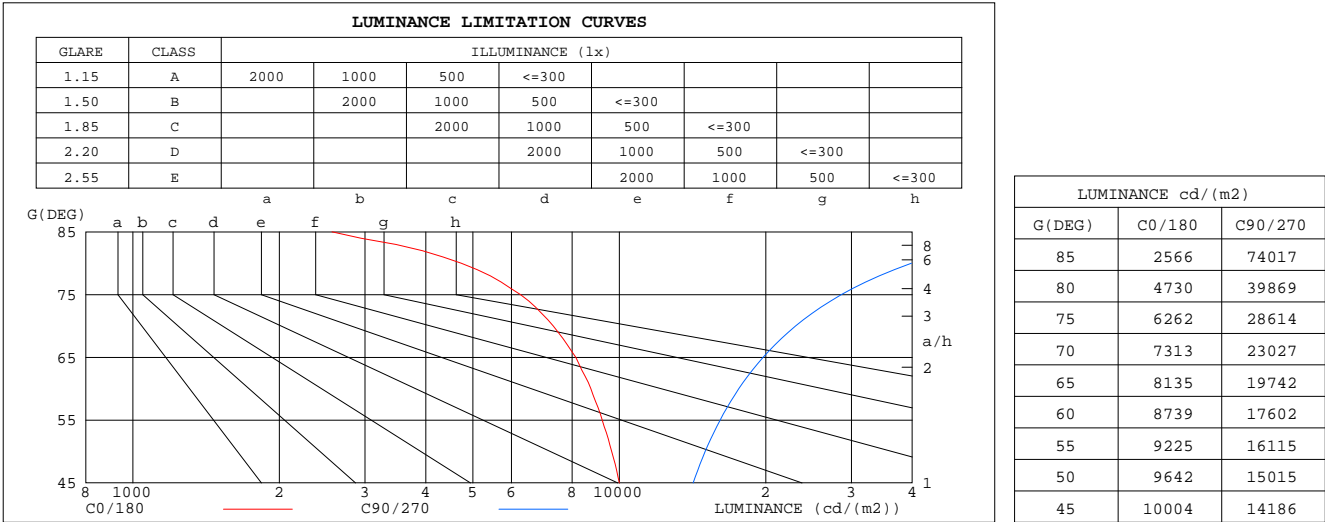
%lamp = 49.8%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Alan Wang
 Test Date:27 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity:41.5%
 Test Distance:2.500m [K=1.0250]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.2485A P:26.05W PF:0.8734 Freq:60.00Hz Lamp Flux:2045.83x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:



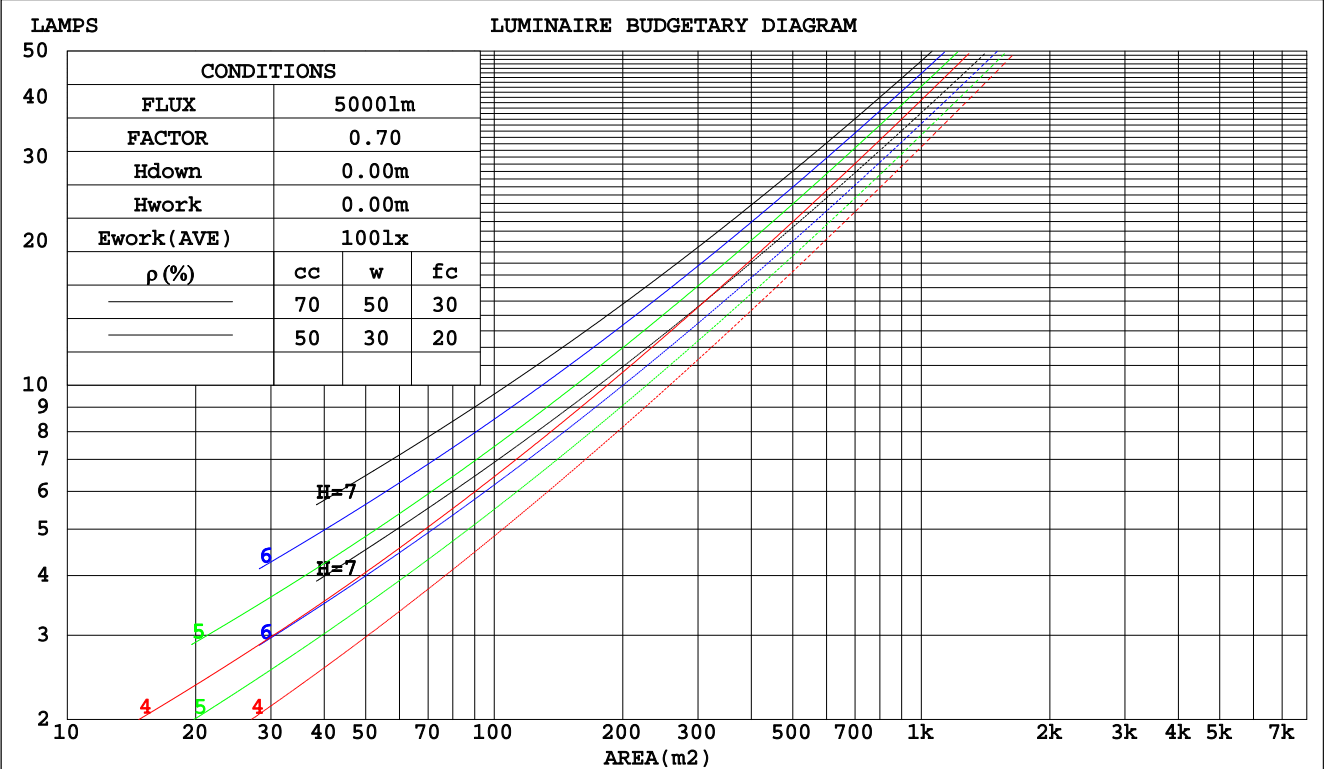
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Alan Wang
Test Date:27 December 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity:41.5%
Test Distance:2.500m [K=1.0250]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.2485A P:26.05W PF:0.8734 Freq:60.00Hz Lamp Flux:2045.83x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

pcc	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						Coefficients of Utilization(CU)									
0.0	1.14	1.14	1.14	1.08	1.08	1.08	.99	.99	.99	.90	.90	.90	.81	.81	.81	.78
1.0	.94	.89	.84	.90	.85	.81	.82	.78	.74	.74	.71	.68	.67	.64	.62	.58
2.0	.81	.73	.66	.77	.70	.64	.70	.64	.59	.63	.58	.54	.57	.53	.50	.46
3.0	.70	.61	.54	.67	.58	.52	.60	.54	.48	.55	.49	.44	.49	.45	.41	.38
4.0	.61	.52	.45	.59	.50	.43	.53	.46	.40	.48	.42	.37	.43	.39	.34	.31
5.0	.54	.45	.38	.52	.43	.37	.47	.40	.34	.43	.37	.32	.39	.34	.30	.27
6.0	.49	.39	.33	.47	.38	.32	.42	.35	.30	.39	.32	.28	.35	.30	.26	.23
7.0	.44	.35	.29	.42	.34	.28	.38	.31	.26	.35	.29	.24	.32	.27	.23	.20
8.0	.40	.31	.25	.38	.30	.24	.35	.28	.23	.32	.26	.22	.29	.24	.20	.18
9.0	.36	.28	.22	.35	.27	.22	.32	.25	.21	.29	.24	.19	.27	.22	.18	.16
10.0	.34	.26	.20	.32	.25	.20	.30	.23	.19	.27	.21	.17	.25	.20	.16	.14



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Alan Wang
Test Date:27 December 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity:41.5%
Test Distance:2.500m [K=1.0250]
Remarks:

WEC AND CCEC

Test:U:120.0V I:0.2485A P:26.05W PF:0.8734 Freq:60.00Hz Lamp Flux:2045.83x1 lm					
NAME:			TYPE:LED		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: ETi Solid State Lighting, Inc			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	.387	.220	.070	.372	.212	.067	.346	.199	.063	.322	.186	.060	.300	.174	.056	
2.0	.333	.182	.056	.320	.176	.054	.296	.165	.051	.274	.154	.048	.254	.144	.045	
3.0	.295	.157	.047	.284	.152	.046	.262	.142	.043	.242	.133	.041	.223	.124	.038	
4.0	.265	.138	.041	.255	.133	.039	.235	.125	.037	.217	.117	.035	.200	.109	.033	
5.0	.241	.123	.036	.232	.119	.035	.214	.111	.033	.197	.104	.031	.181	.097	.029	
6.0	.221	.111	.032	.212	.107	.031	.196	.100	.029	.180	.094	.028	.166	.087	.026	
7.0	.204	.101	.029	.196	.097	.028	.181	.091	.026	.167	.085	.025	.153	.080	.023	
8.0	.189	.092	.026	.181	.089	.025	.168	.084	.024	.155	.078	.023	.142	.073	.021	
9.0	.176	.085	.024	.169	.082	.023	.156	.077	.022	.144	.072	.021	.133	.068	.020	
10.0	.165	.079	.022	.158	.076	.021	.147	.072	.020	.135	.067	.019	.125	.063	.018	

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	.361	.361	.361	.309	.309	.309	.211	.211	.211	.121	.121	.121	.039	.039	.039	
1.0	.358	.328	.301	.306	.281	.259	.210	.194	.179	.121	.112	.104	.039	.036	.034	
2.0	.351	.305	.267	.301	.263	.230	.206	.182	.161	.119	.106	.094	.038	.034	.031	
3.0	.344	.289	.245	.295	.249	.213	.202	.173	.149	.117	.101	.088	.038	.033	.029	
4.0	.336	.277	.231	.288	.239	.201	.198	.167	.141	.115	.098	.084	.037	.032	.028	
5.0	.328	.267	.221	.282	.231	.193	.194	.161	.136	.113	.095	.081	.036	.031	.027	
6.0	.321	.259	.215	.276	.224	.187	.190	.157	.132	.110	.092	.079	.036	.030	.026	
7.0	.314	.253	.209	.270	.219	.182	.187	.153	.129	.108	.090	.077	.035	.030	.025	
8.0	.307	.247	.206	.265	.214	.179	.183	.150	.127	.107	.089	.076	.034	.029	.025	
9.0	.301	.242	.202	.259	.210	.177	.180	.148	.125	.105	.087	.075	.034	.029	.025	
10.0	.295	.238	.200	.255	.207	.175	.177	.146	.124	.103	.086	.074	.033	.028	.025	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Alan Wang
 Test Date:27 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity:41.5%
 Test Distance:2.500m [K=1.0250]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.2485A P:26.05W PF:0.8734 Freq:60.00Hz Lamp Flux:2045.83x1 lm											
NAME:					TYPE:LED			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: ETi Solid State Lighting, Inc					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	2H	18.7	20.0	19.3	20.6	21.3	21.6	22.9	22.2	23.5	24.2
	3H	20.0	21.3	20.6	21.9	22.5	24.4	25.6	25.0	26.2	26.9
	4H	20.5	21.7	21.1	22.3	23.0	26.0	27.1	26.6	27.7	28.4
	6H	20.8	21.9	21.5	22.6	23.3	27.7	28.8	28.3	29.4	30.1
	8H	20.9	22.0	21.6	22.6	23.4	28.6	29.7	29.3	30.3	31.1
	12H	20.9	21.9	21.6	22.6	23.4	29.7	30.7	30.4	31.4	32.1
4H	2H	20.1	21.2	20.7	21.8	22.6	22.1	23.3	22.7	23.9	24.6
	3H	21.7	22.8	22.4	23.4	24.2	25.2	26.2	25.8	26.8	27.6
	4H	22.5	23.4	23.1	24.1	24.9	26.9	27.9	27.6	28.5	29.3
	6H	23.0	23.8	23.7	24.5	25.3	28.9	29.7	29.6	30.4	31.2
	8H	23.1	23.9	23.8	24.6	25.5	30.0	30.7	30.7	31.5	32.3
	12H	23.2	23.9	23.9	24.7	25.5	31.2	31.9	31.9	32.6	33.5
8H	4H	23.8	24.6	24.5	25.3	26.2	27.3	28.0	28.0	28.7	29.6
	6H	24.8	25.5	25.6	26.2	27.1	29.5	30.2	30.3	30.9	31.8
	8H	25.2	25.8	26.0	26.6	27.5	30.8	31.4	31.6	32.2	33.1
	12H	25.5	26.0	26.3	26.8	27.7	32.3	32.9	33.1	33.6	34.6
12H	4H	24.3	25.0	25.0	25.7	26.6	27.3	28.0	28.0	28.7	29.6
	6H	25.6	26.2	26.3	26.9	27.8	29.6	30.2	30.4	31.0	31.9
	8H	26.2	26.7	27.0	27.5	28.4	31.1	31.6	31.8	32.3	33.3
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.4					+ 0.3 / - 0.4					

CIE Pub.117, 2046 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.5$)
Area: 0.0354 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Alan Wang
Test Date:27 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity:41.5%
Test Distance:2.500m [K=1.0250]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.2485A P:26.05W PF:0.8734 Freq:60.00Hz Lamp Flux:2045.83x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

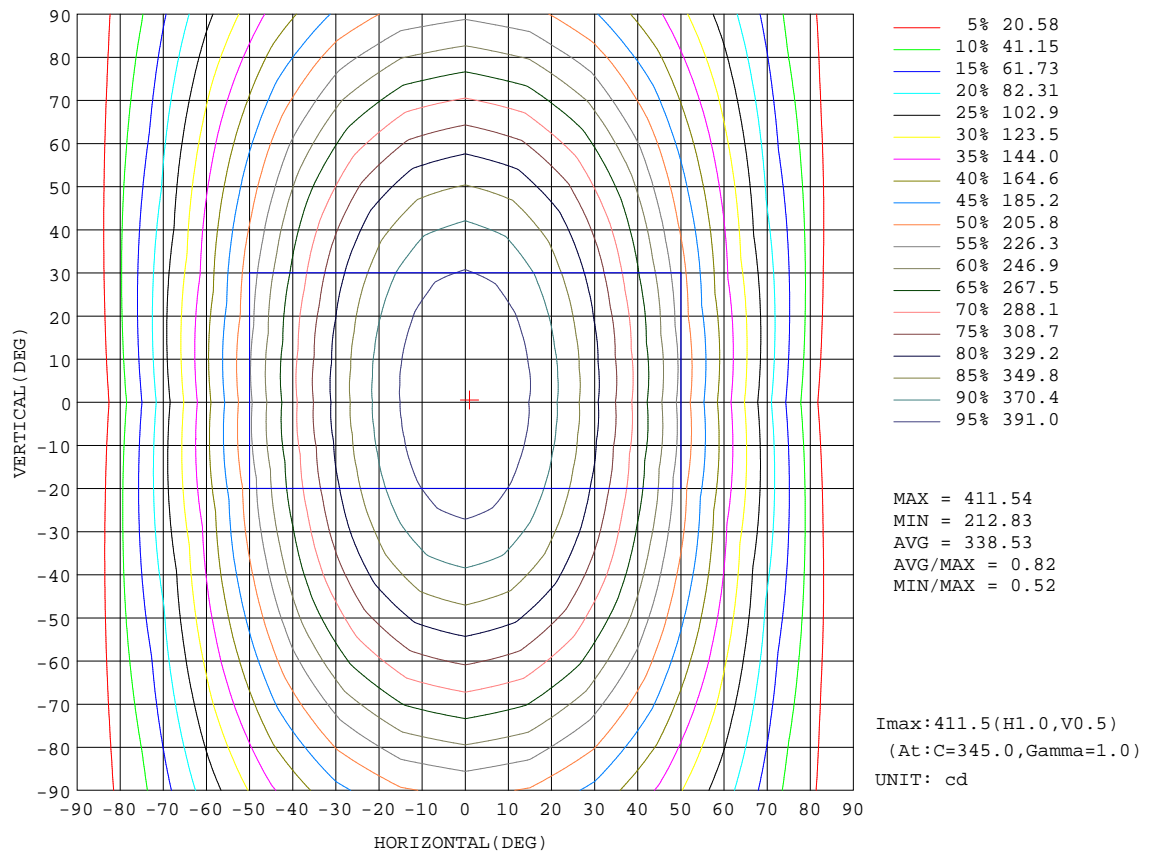
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	27	45	33	26	43	32	26	19
0.80	55	42	34	54	42	34	51	40	33	25
1.00	63	50	42	61	49	41	57	49	39	30
1.25	70	57	49	67	56	48	63	53	46	35
1.50	75	63	54	72	61	53	67	57	50	39
2.00	82	71	63	79	69	61	73	64	58	45
2.50	87	76	68	83	74	66	76	69	62	49
3.00	91	81	74	87	78	71	79	73	67	52
4.00	95	87	81	91	84	78	83	77	72	57
5.00	99	91	85	94	88	82	86	81	76	60
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:24.9DEG
 Operators:Alan Wang
 Test Date:27 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity:41.5%
 Test Distance:2.500m [K=1.0250]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2485A P:26.05W PF:0.8734 Freq:60.00Hz Lamp Flux:2045.83x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:



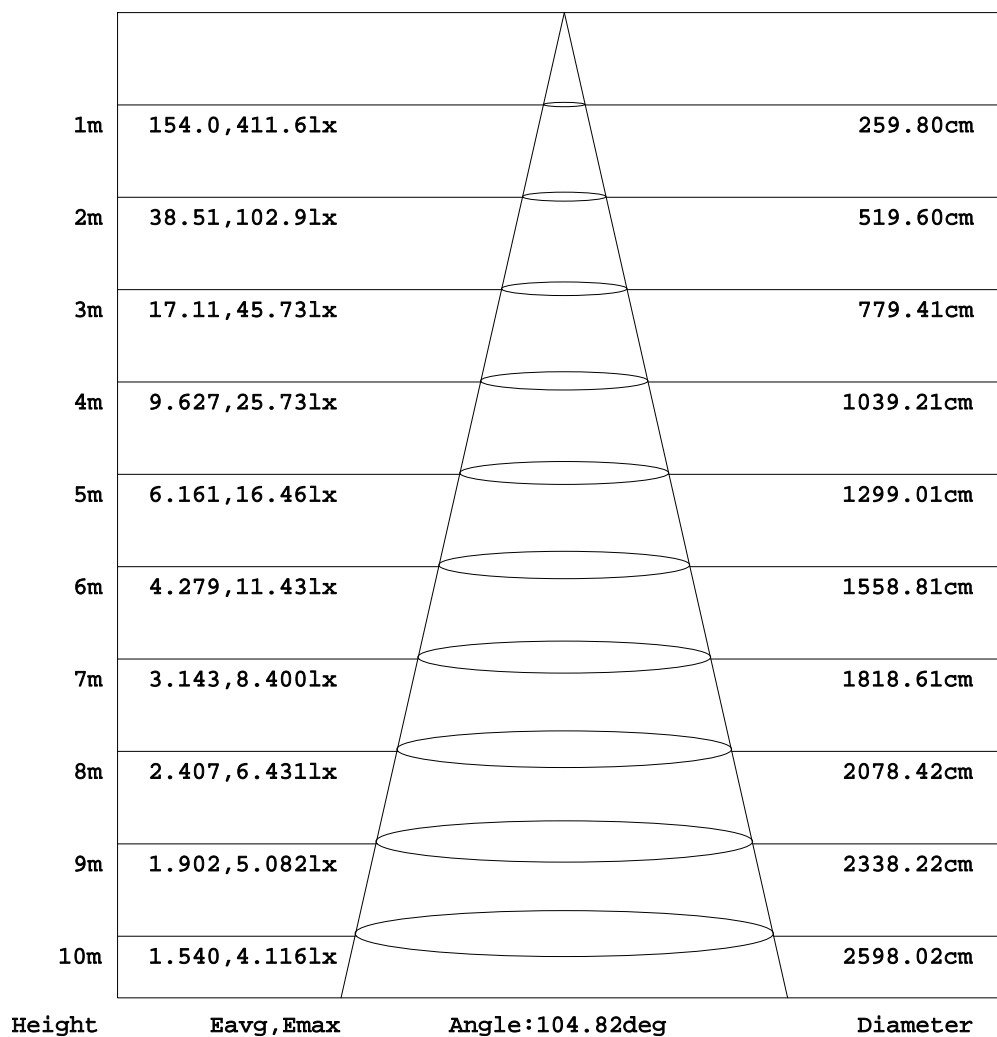
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Alan Wang
Test Date:27 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity:41.5%
Test Distance:2.500m [K=1.0250]
Remarks:

AAI Figure

Test:U:120.0V I:0.2485A P:26.05W PF:0.8734 Freq:60.00Hz Lamp Flux:2045.83x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

Flux out:852.2 lm



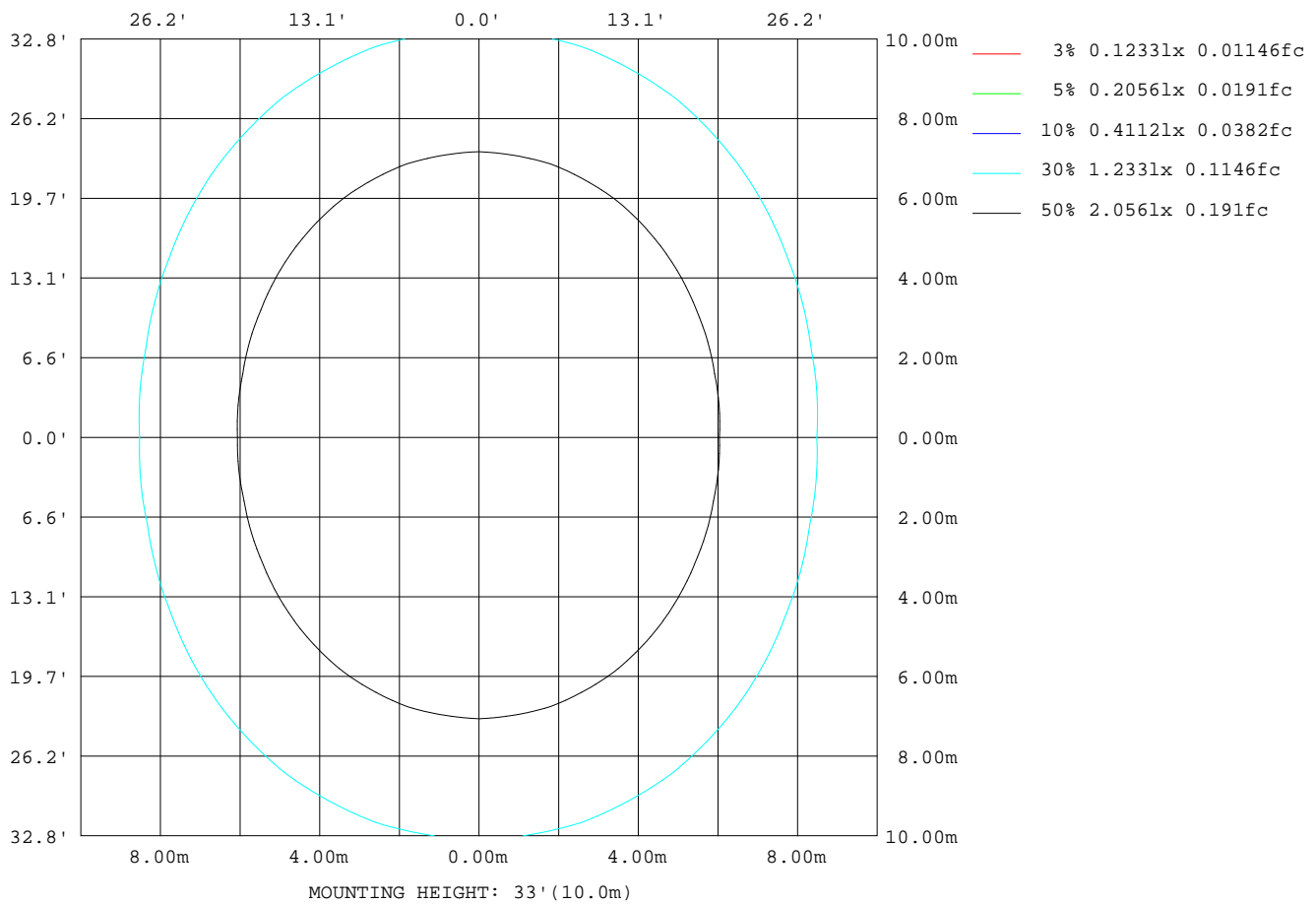
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Alan Wang
 Test Date: 27 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.5%
 Test Distance: 2.500m [K=1.0250]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.2485A P:26.05W PF:0.8734 Freq:60.00Hz Lamp Flux:2045.83x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.9DEG
Operators: Alan Wang
Test Date: 27 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 41.5%
Test Distance: 2.500m [K=1.0250]
Remarks:

LED Avg.L Report

Test:U:120.0V I:0.2485A P:26.05W PF:0.8734 Freq:60.00Hz Lamp Flux:2045.83x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

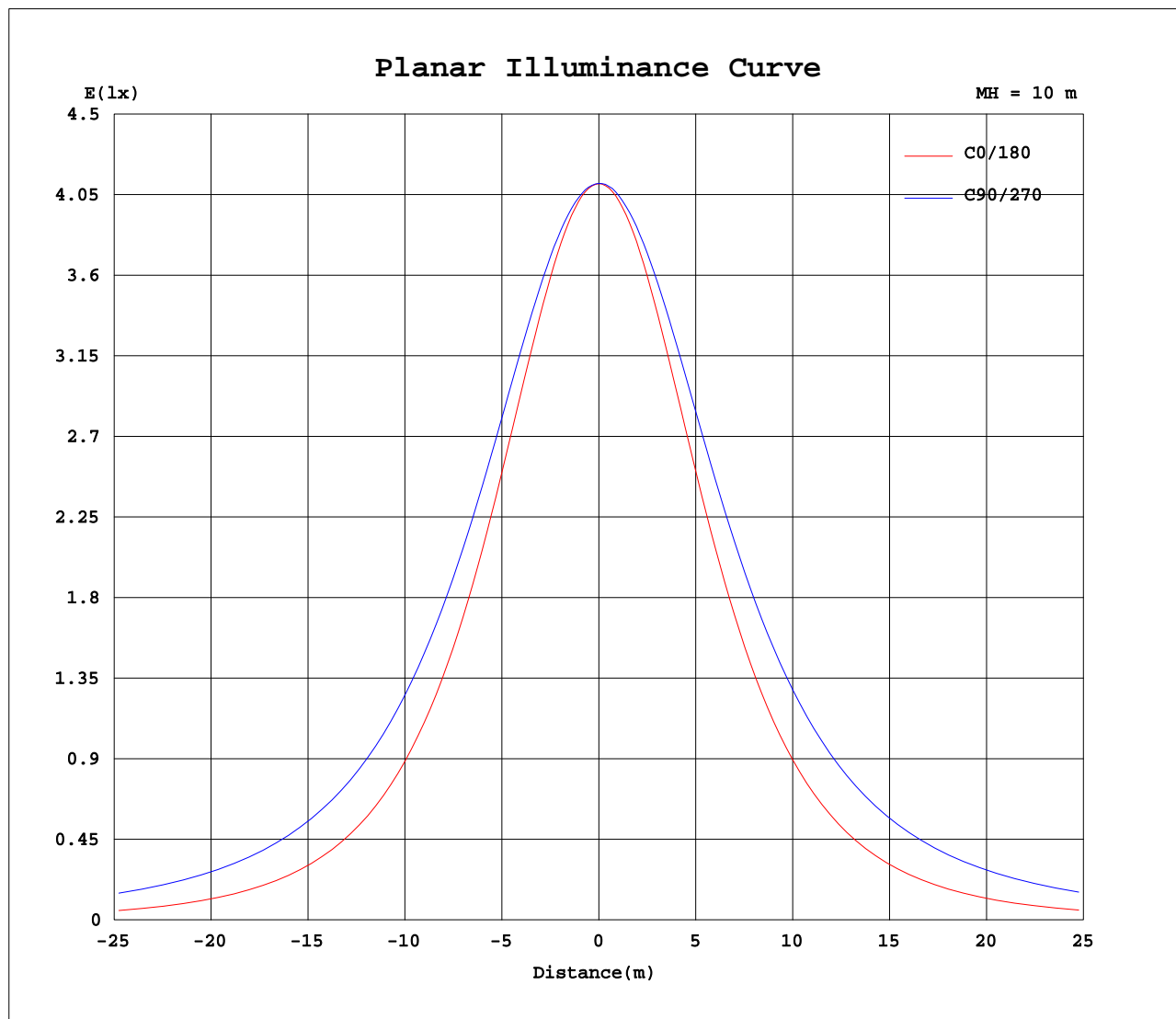
AvgL	cd/m2
L_0~180(65)av	8249
L_0~180(75)av	6487
L_0~180(85)av	2924
L_90~270(65)av	20112
L_90~270(75)av	29198
L_90~270(85)av	75734
L_45(65)av	15473
L_45(75)av	21105
L_45(85)av	51701

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Alan Wang
Test Date:27 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity:41.5%
Test Distance:2.500m [K=1.0250]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.9DEG
Operators: Alan Wang
Test Date: 27 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 41.5%
Test Distance: 2.500m [K=1.0250]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2485A P:26.05W PF:0.8734 Freq:60.00Hz Lamp Flux:2045.83x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	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	411	411	411	411	411	412	411	411	411	411	412	412	411	411	411	411	411	412	411
5	409	409	409	410	410	410	410	410	410	410	409	409	409	409	409	410	411	411	411
10	402	402	403	405	406	408	408	408	407	405	403	403	402	403	405	407	408	410	410
15	390	392	394	397	401	404	405	404	401	398	394	392	391	393	396	400	404	406	407
20	375	377	381	387	393	398	400	398	394	388	381	377	376	378	384	390	397	402	404
25	356	358	365	375	384	391	394	392	385	375	366	359	357	360	369	379	389	396	399
30	333	337	347	360	374	383	387	383	374	361	347	337	335	339	350	365	379	389	392
35	308	312	326	344	361	373	378	373	361	344	327	313	310	316	330	349	367	380	384
40	280	286	304	326	347	362	367	362	348	327	304	287	282	290	309	332	354	370	375
45	250	258	280	307	332	349	355	349	333	308	281	260	253	263	285	314	340	358	364
50	219	229	256	288	316	335	342	335	316	288	257	231	223	234	262	295	324	344	351
55	187	200	231	268	299	320	327	320	299	268	232	201	190	205	238	276	308	330	337
60	155	170	207	248	282	304	312	304	282	248	208	172	158	175	214	256	291	314	322
65	122	141	184	228	264	287	295	287	264	228	185	143	125	147	190	236	273	298	306
70	88.5	113	161	208	246	271	279	270	246	209	162	115	92.7	119	168	217	256	281	290
75	57.4	87.4	140	190	229	254	262	254	229	190	141	89.3	61.5	93.3	147	198	239	264	273
80	29.1	65.0	122	172	212	237	245	237	212	173	122	66.7	33.1	70.9	129	181	222	247	256
85	7.92	47.5	105	156	195	220	228	220	196	156	106	48.7	10.1	52.9	112	164	204	231	239
90	0.14	35.6	91.2	141	180	204	212	204	180	141	91.6	36.3	0.18	40.2	97.6	149	189	214	222
95	0.56	28.6	79.6	128	165	188	196	188	165	128	79.8	28.9	0.57	32.5	86.0	135	173	197	205
100	1.51	24.0	70.4	115	150	172	180	172	150	115	70.5	24.3	1.41	27.5	76.5	123	159	182	189
105	2.87	19.9	62.7	104	137	158	165	158	137	104	62.9	20.2	2.69	23.1	68.3	111	145	167	174
110	4.71	16.8	55.4	93.6	124	143	150	143	124	93.7	55.7	17.0	4.45	19.4	60.8	101	132	152	159
115	7.07	16.7	49.0	83.5	112	130	136	130	112	83.7	49.3	16.4	6.74	18.7	54.2	90.3	119	138	144
120	9.61	17.4	43.1	74.2	99.8	116	122	116	99.9	74.5	43.6	16.8	9.23	19.3	48.0	80.6	107	124	129
125	12.1	18.5	37.9	65.4	88.0	103	108	103	88.3	65.8	38.3	17.9	11.8	20.1	42.4	71.5	94.9	110	115
130	14.4	19.5	35.0	57.1	77.0	90.0	94.7	90.1	77.3	57.6	34.9	19.0	14.0	19.7	38.7	62.8	83.5	96.8	101
135	16.5	20.6	32.6	49.3	66.5	77.7	81.8	77.9	66.8	49.8	32.4	20.2	15.9	18.8	36.1	54.7	72.6	84.2	88.1
140	18.5	21.6	30.9	43.8	56.5	66.1	69.6	66.4	57.0	43.9	30.4	21.3	17.9	21.5	33.9	48.3	62.2	72.1	75.4
145	20.3	22.4	29.6	39.1	48.7	55.5	58.1	55.6	48.9	39.0	29.2	22.3	19.8	21.7	31.1	42.9	53.6	60.9	63.6
150	21.9	23.2	28.7	35.5	42.3	47.4	49.4	47.5	42.4	35.2	28.4	23.1	21.5	22.3	27.2	38.3	46.3	52.0	54.4
155	22.9	23.9	28.0	32.7	37.2	40.7	42.1	40.7	37.2	32.5	27.9	23.4	22.6	21.7	27.2	34.2	40.0	44.4	46.5
160	23.2	24.1	27.6	30.5	33.5	35.6	36.4	35.6	33.4	30.5	27.6	23.6	23.6	21.2	27.3	27.8	34.9	38.1	39.9
165	21.4	21.6	27.3	29.0	30.6	31.8	32.3	31.8	30.6	29.0	26.4	21.1	21.7	19.9	24.4	28.4	28.5	33.2	34.5
170	17.3	17.2	22.9	27.1	28.5	29.0	29.2	29.1	27.9	22.7	19.1	17.0	17.3	17.1	17.8	20.5	25.4	27.8	30.3
175	14.7	14.6	15.0	16.5	22.6	25.5	23.4	21.9	15.1	14.2	14.3	14.4	14.6	14.6	14.6	14.6	14.6	16.0	19.8
180	22.4	21.9	19.9	15.7	13.1	5.59	0.00	7.88	12.3	16.9	19.7	21.9	21.0	21.0	20.5	18.9	16.2	11.5	5.87

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:24.9DEG

Operators:Alan Wang

Test Date:27 December 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416

Humidity:41.5%

Test Distance:2.500m [K=1.0250]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2485A P:26.05W PF:0.8734 Freq:60.00Hz Lamp Flux:2045.83x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	411	411	411	412	412														
5	411	411	410	410	410														
10	409	408	406	405	403														
15	406	403	399	395	393														
20	402	397	390	383	378														
25	396	388	378	367	360														
30	388	378	364	350	338														
35	379	366	348	329	315														
40	369	354	331	307	289														
45	357	339	313	284	261														
50	344	324	293	260	232														
55	329	307	274	235	202														
60	313	290	254	211	172														
65	297	272	234	187	143														
70	280	255	215	164	114														
75	263	237	195	143	88.5														
80	247	220	178	124	65.9														
85	230	203	162	108	48.1														
90	213	187	146	94.0	36.1														
95	197	172	133	82.6	29.2														
100	181	158	120	73.4	24.5														
105	166	144	109	65.4	20.5														
110	151	131	98.4	58.1	17.7														
115	137	118	88.2	51.7	17.6														
120	123	106	78.7	45.8	18.1														
125	109	93.7	69.8	40.6	18.6														
130	96.2	82.4	61.3	37.6	18.6														
135	83.7	71.6	53.4	35.1	19.6														
140	71.7	61.5	47.6	33.2	20.9														
145	60.9	53.5	42.8	31.3	21.9														
150	52.4	47.0	39.2	29.8	22.2														
155	45.5	41.9	36.5	29.8	23.5														
160	39.7	37.6	34.3	30.4	25.2														
165	34.7	33.8	32.0	29.4	25.9														
170	30.7	30.5	29.8	27.5	22.1														
175	25.2	26.3	23.9	17.0	15.0														
180	7.22	6.65	12.3	16.0	19.0														

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:24.9DEG

Operators:Alan Wang

Test Date:27 December 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416

Humidity:41.5%

Test Distance:2.500m [K=1.0250]

Remarks: