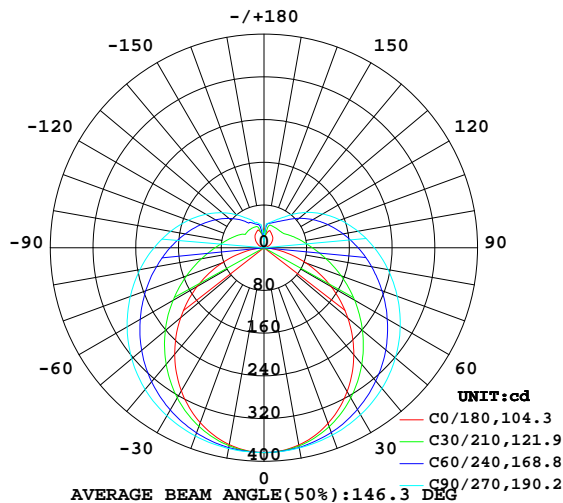


LUMINAIRE PHOTOMETRIC TEST REPORT

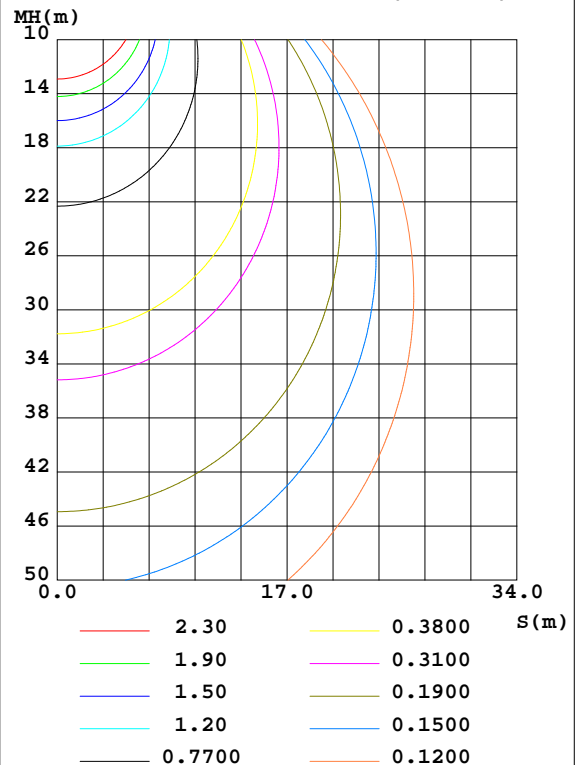
Test:U:120.0V I:0.2446A P:25.65W PF:0.8739 Freq:60.00Hz Lamp Flux:1961.77x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 76.48 lm/W			
MODEL	C06018301A	Imax(cd)	384.0	S/MH(C0/180)	1.21
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.43
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1961.8	η UP,DN(C0-180)	12.4,37.6
NOMINAL FLUX(lm)	1961.77	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	12.2,37.8
LAMPS INSIDE	1	η up(%)	24.6	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	75.4	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: 24.7DEG
Operators: Alan Wang
Test Date: 26 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 41.3%
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	375.1	378.2	380.7	377.6	374.5	378.2	381.8	379.0	0- 10	36.36	36.36	1.85,1.85
20	350.2	362.4	373.4	361.1	348.8	362.4	375.2	363.4	10- 20	104.9	141.3	7.2,7.2
30	311.2	337.5	361.3	335.3	309.6	337.9	363.6	338.5	20- 30	161.8	303.0	15.4,15.4
40	261.6	306.1	343.8	303.4	260.2	306.8	346.4	307.0	30- 40	201.4	504.4	25.7,25.7
50	205.1	270.8	321.1	267.9	203.6	271.8	323.3	271.1	40- 50	221.1	725.5	37,37
60	144.9	234.2	294.5	231.0	144.1	235.3	295.9	233.6	50- 60	221.3	946.8	48.3,48.3
70	83.97	198.9	265.6	195.7	83.81	199.3	266.3	196.6	60- 70	205.2	1152	58.7,58.7
80	28.63	166.7	235.8	163.5	28.98	167.0	235.9	163.7	70- 80	178.5	1330	67.8,67.8
90	0.1664	139.2	206.7	136.3	0.2160	139.4	205.8	135.7	80- 90	148.7	1479	75.4,75.4
100	2.416	116.5	178.7	114.0	2.486	116.4	177.6	112.9	90-100	123.3	1602	81.7,81.7
110	7.639	97.38	152.2	95.48	7.510	97.26	150.8	94.22	100-110	100.9	1703	86.8,86.8
120	14.84	80.65	126.8	79.49	13.46	80.70	125.6	78.32	110-120	80.45	1784	90.9,90.9
130	20.69	66.54	103.2	66.05	20.07	66.21	102.2	64.86	120-130	62.05	1846	94.1,94.1
140	25.71	56.07	81.48	56.00	26.37	52.50	80.94	55.01	130-140	46.02	1892	96.4,96.4
150	29.22	50.34	64.48	50.46	31.01	48.46	63.81	50.38	140-150	32.64	1924	98.1,98.1
160	33.67	46.95	53.68	47.36	35.02	44.90	50.02	48.18	150-160	21.95	1946	99.2,99.2
170	26.87	44.73	47.00	34.45	27.27	31.81	45.26	45.47	160-170	12.25	1959	99.8,99.8
180	36.91	24.80	1.806	27.35	34.47	30.75	13.73	20.03	170-180	3.079	1962	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 613.76 lm

%lum = 31.3%

%lamp = 31.3%

Conical surface Flux(120deg): 946.78 lm

%lum = 48.3%

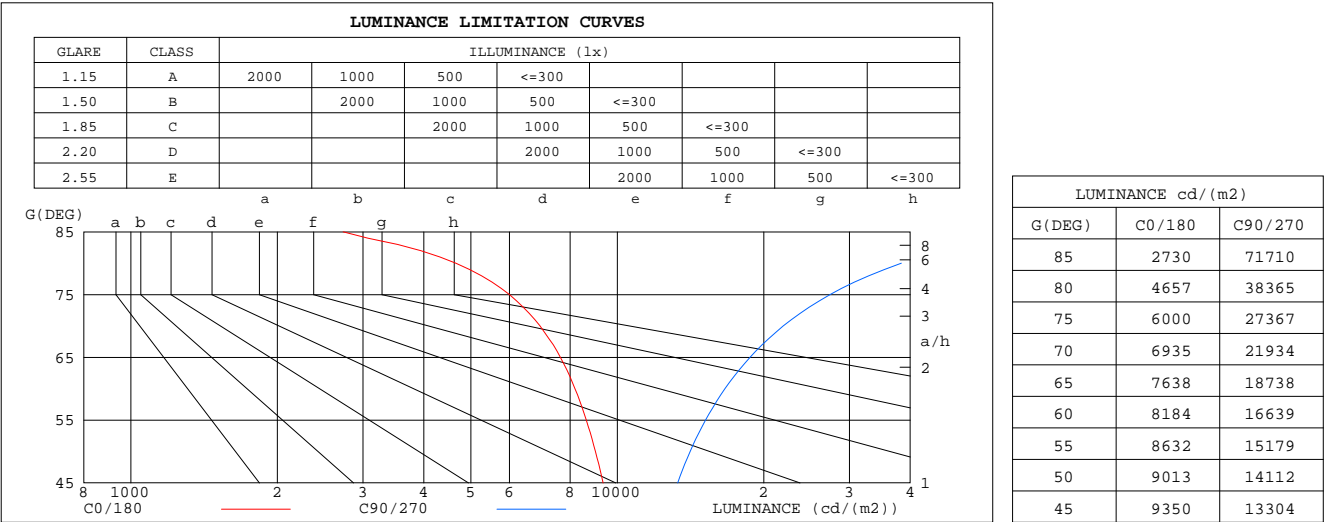
%lamp = 48.3%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.7DEG
 Operators: Alan Wang
 Test Date: 26 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.3%
 Test Distance: 2.500m [K=1.0250]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.2446A P:25.65W PF:0.8739 Freq:60.00Hz Lamp Flux:1961.77x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:



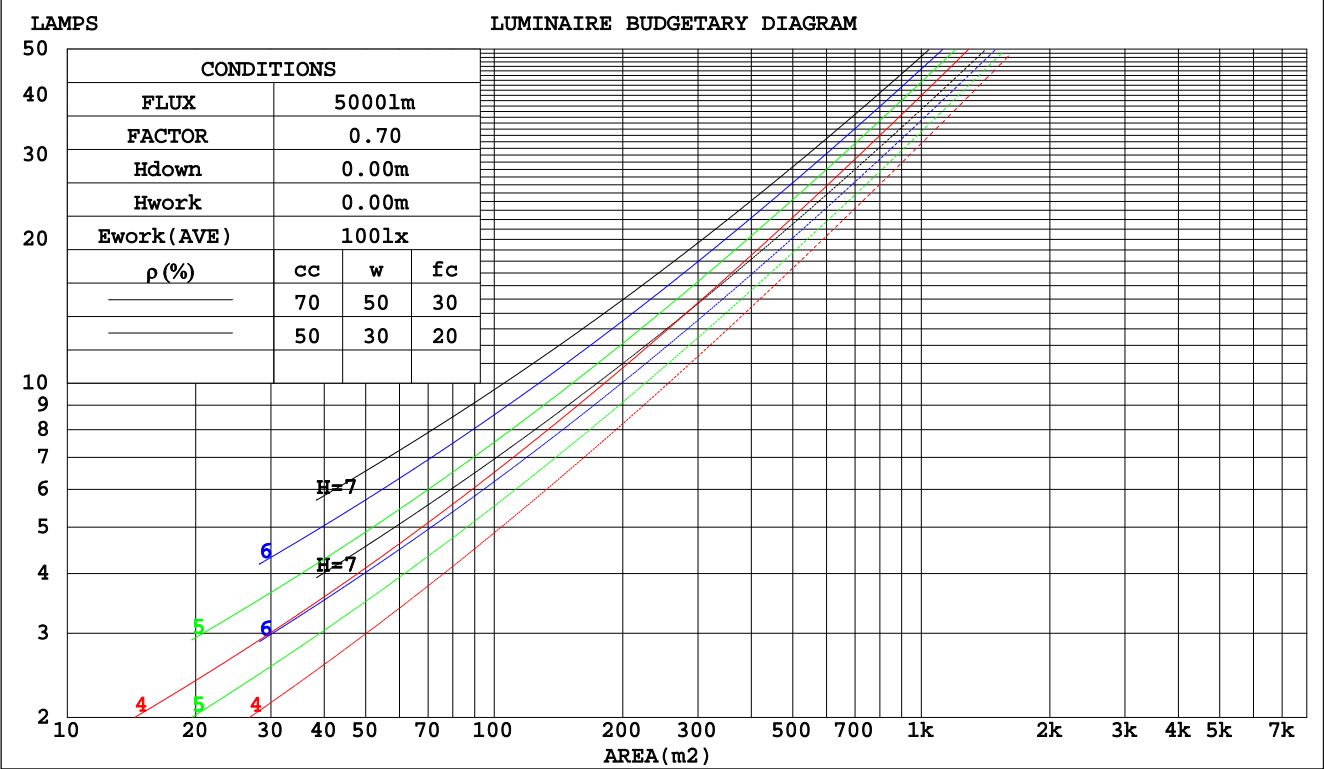
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.7DEG
Operators: Alan Wang
Test Date: 26 December 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 41.3%
Test Distance: 2.500m [K=1.0250]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.2446A P:25.65W PF:0.8739 Freq:60.00Hz Lamp Flux:1961.77x1 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						Coefficients of Utilization(CU)										
0.0	1.13	1.13	1.13	1.08	1.08	1.08	.97	.97	.97	.88	.88	.88	.79	.79	.79	.75	
1.0	.94	.89	.84	.89	.85	.80	.81	.77	.73	.72	.69	.67	.65	.63	.60	.56	
2.0	.80	.73	.66	.76	.69	.63	.69	.63	.58	.62	.57	.53	.55	.52	.48	.45	
3.0	.70	.61	.54	.66	.58	.52	.60	.53	.48	.54	.48	.44	.48	.44	.40	.37	
4.0	.61	.52	.45	.58	.50	.43	.53	.45	.40	.47	.41	.37	.42	.38	.34	.31	
5.0	.54	.45	.38	.52	.43	.37	.47	.39	.34	.42	.36	.31	.38	.33	.29	.26	
6.0	.49	.39	.33	.46	.38	.32	.42	.35	.29	.38	.32	.27	.34	.29	.25	.22	
7.0	.44	.35	.29	.42	.33	.28	.38	.31	.26	.34	.28	.24	.31	.26	.22	.20	
8.0	.40	.31	.25	.38	.30	.24	.35	.28	.23	.31	.26	.21	.29	.23	.20	.17	
9.0	.36	.28	.22	.35	.27	.22	.32	.25	.20	.29	.23	.19	.26	.21	.18	.16	
10.0	.33	.25	.20	.32	.25	.20	.29	.23	.18	.27	.21	.17	.24	.19	.16	.14	



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.7DEG
Operators: Alan Wang
Test Date: 26 December 2024

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 41.3%
Test Distance: 2.500m [K=1.0250]
Remarks:

WEC AND CCEC

Test:U:120.0V I:0.2446A P:25.65W PF:0.8739 Freq:60.00Hz Lamp Flux:1961.77x1 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	.384	.218	.069	.369	.211	.067	.342	.196	.063	.316	.183	.059	.293	.170	.055	
2.0	.331	.181	.056	.318	.175	.054	.293	.163	.051	.270	.151	.047	.248	.140	.044	
3.0	.293	.156	.047	.281	.151	.045	.259	.140	.043	.238	.130	.040	.218	.121	.037	
4.0	.264	.137	.040	.253	.132	.039	.232	.123	.037	.213	.114	.035	.195	.106	.032	
5.0	.240	.122	.035	.230	.118	.034	.211	.110	.032	.193	.102	.030	.177	.095	.028	
6.0	.220	.110	.032	.210	.106	.031	.193	.099	.029	.177	.092	.027	.162	.085	.025	
7.0	.202	.100	.028	.194	.097	.028	.178	.090	.026	.164	.084	.024	.150	.078	.023	
8.0	.188	.092	.026	.180	.089	.025	.166	.083	.024	.152	.077	.022	.139	.071	.021	
9.0	.175	.085	.024	.168	.082	.023	.154	.076	.022	.142	.071	.020	.130	.066	.019	
10.0	.164	.079	.022	.157	.076	.021	.145	.071	.020	.133	.066	.019	.122	.061	.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	.378	.378	.378	.323	.323	.323	.220	.220	.220	.127	.127	.127	.040	.040	.040	
1.0	.374	.344	.317	.320	.296	.273	.219	.203	.189	.126	.118	.110	.040	.038	.036	
2.0	.368	.322	.284	.315	.277	.245	.216	.192	.171	.124	.112	.100	.040	.036	.033	
3.0	.360	.306	.262	.309	.264	.227	.212	.183	.160	.122	.107	.094	.039	.035	.031	
4.0	.353	.293	.248	.303	.254	.216	.208	.177	.152	.120	.104	.090	.039	.034	.030	
5.0	.345	.284	.239	.296	.246	.208	.204	.172	.147	.118	.101	.087	.038	.033	.029	
6.0	.338	.276	.232	.290	.239	.202	.200	.167	.143	.116	.098	.085	.037	.032	.028	
7.0	.331	.269	.227	.284	.234	.197	.197	.164	.140	.114	.096	.083	.037	.032	.028	
8.0	.324	.264	.223	.279	.229	.194	.193	.161	.138	.112	.095	.082	.036	.031	.027	
9.0	.318	.259	.220	.274	.225	.192	.190	.158	.136	.111	.093	.081	.036	.031	.027	
10.0	.312	.255	.217	.269	.222	.190	.187	.156	.135	.109	.092	.080	.035	.030	.027	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.7DEG
 Operators: Alan Wang
 Test Date: 26 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.3%
 Test Distance: 2.500m [K=1.0250]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.2446A P:25.65W PF:0.8739 Freq:60.00Hz Lamp Flux:1961.77x1 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	18.4	19.7	19.0	20.3	21.0	21.3	22.6	21.9	23.2	23.9
3H	19.8	20.9	20.4	21.6	22.3	24.2	25.3	24.8	26.0	26.7
4H	20.3	21.4	20.9	22.0	22.8	25.7	26.9	26.4	27.5	28.2
6H	20.6	21.7	21.3	22.3	23.1	27.5	28.5	28.1	29.2	30.0
8H	20.7	21.7	21.3	22.4	23.2	28.4	29.4	29.1	30.1	30.9
12H	20.7	21.7	21.4	22.4	23.2	29.5	30.5	30.2	31.2	32.0
4H 2H	19.8	20.9	20.4	21.6	22.3	21.8	23.0	22.5	23.6	24.4
3H	21.5	22.5	22.1	23.1	23.9	24.9	25.9	25.6	26.6	27.4
4H	22.2	23.1	22.9	23.8	24.6	26.7	27.6	27.4	28.3	29.1
6H	22.7	23.5	23.5	24.3	25.1	28.7	29.5	29.4	30.2	31.1
8H	22.9	23.7	23.6	24.4	25.3	29.8	30.5	30.5	31.3	32.2
12H	23.0	23.7	23.8	24.5	25.4	31.0	31.7	31.8	32.5	33.4
8H 4H	23.6	24.3	24.3	25.1	26.0	27.0	27.8	27.8	28.5	29.4
6H	24.6	25.3	25.4	26.0	26.9	29.3	30.0	30.1	30.7	31.6
8H	25.0	25.6	25.8	26.4	27.3	30.6	31.2	31.4	32.0	32.9
12H	25.4	25.9	26.1	26.7	27.6	32.2	32.7	33.0	33.5	34.4
12H 4H	24.1	24.8	24.8	25.5	26.4	27.0	27.7	27.8	28.5	29.4
6H	25.4	25.9	26.2	26.7	27.7	29.4	30.0	30.2	30.8	31.7
8H	26.0	26.5	26.8	27.3	28.3	30.9	31.4	31.7	32.2	33.1
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, 1962 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.3$)
Area: 0.0354 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.7DEG
Operators: Alan Wang
Test Date: 26 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 41.3%
Test Distance: 2.500m [K=1.0250]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.2446A P:25.65W PF:0.8739 Freq:60.00Hz Lamp Flux:1961.77x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

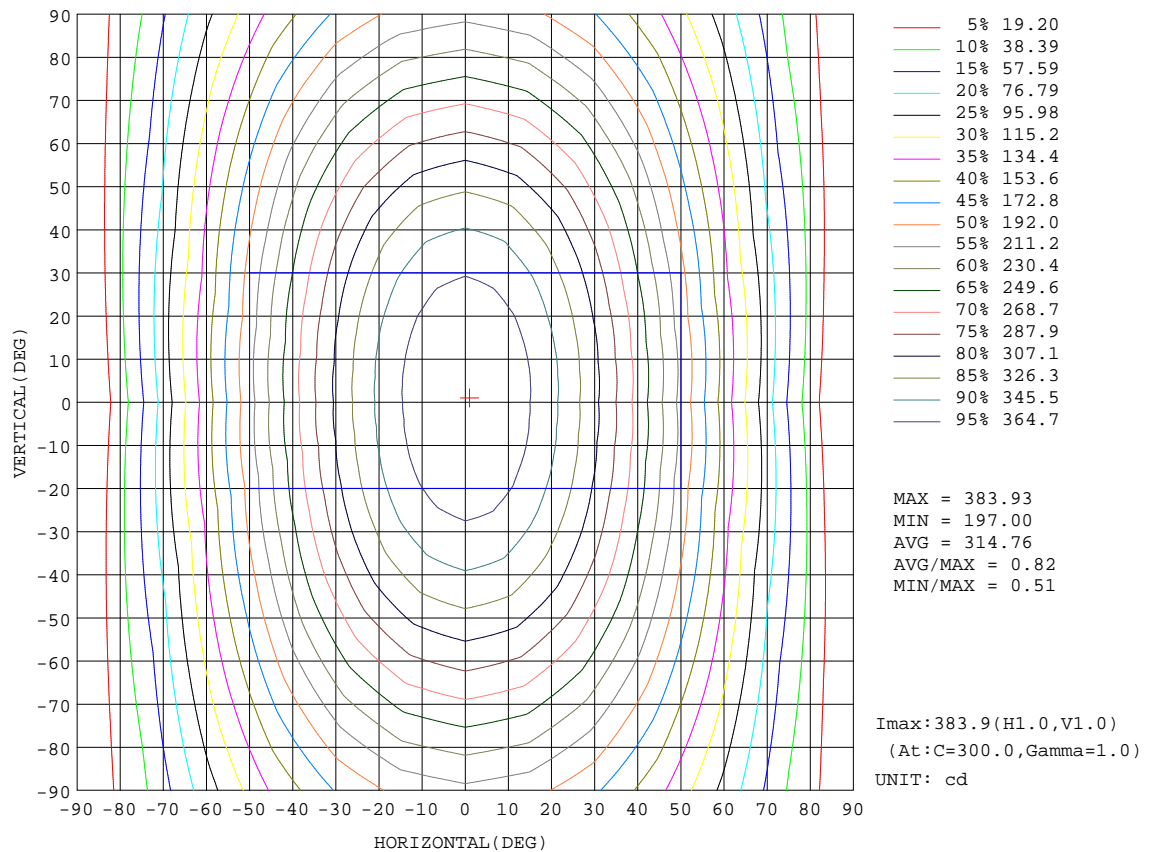
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	26	45	33	26	42	32	25	19
0.80	55	42	34	53	41	33	50	39	32	24
1.00	63	49	41	60	48	40	56	48	39	29
1.25	69	57	48	67	55	47	62	52	45	34
1.50	75	62	53	71	60	52	66	56	50	38
2.00	82	71	62	78	68	60	72	63	57	44
2.50	86	76	68	83	73	66	75	68	62	47
3.00	90	81	73	86	77	71	78	72	66	51
4.00	95	87	80	90	83	77	82	76	71	55
5.00	98	91	85	93	87	82	85	80	75	58
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: 24.7DEG
 Operators: Alan Wang
 Test Date: 26 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.3%
 Test Distance: 2.500m [K=1.0250]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2446A P:25.65W PF:0.8739 Freq:60.00Hz Lamp Flux:1961.77x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:



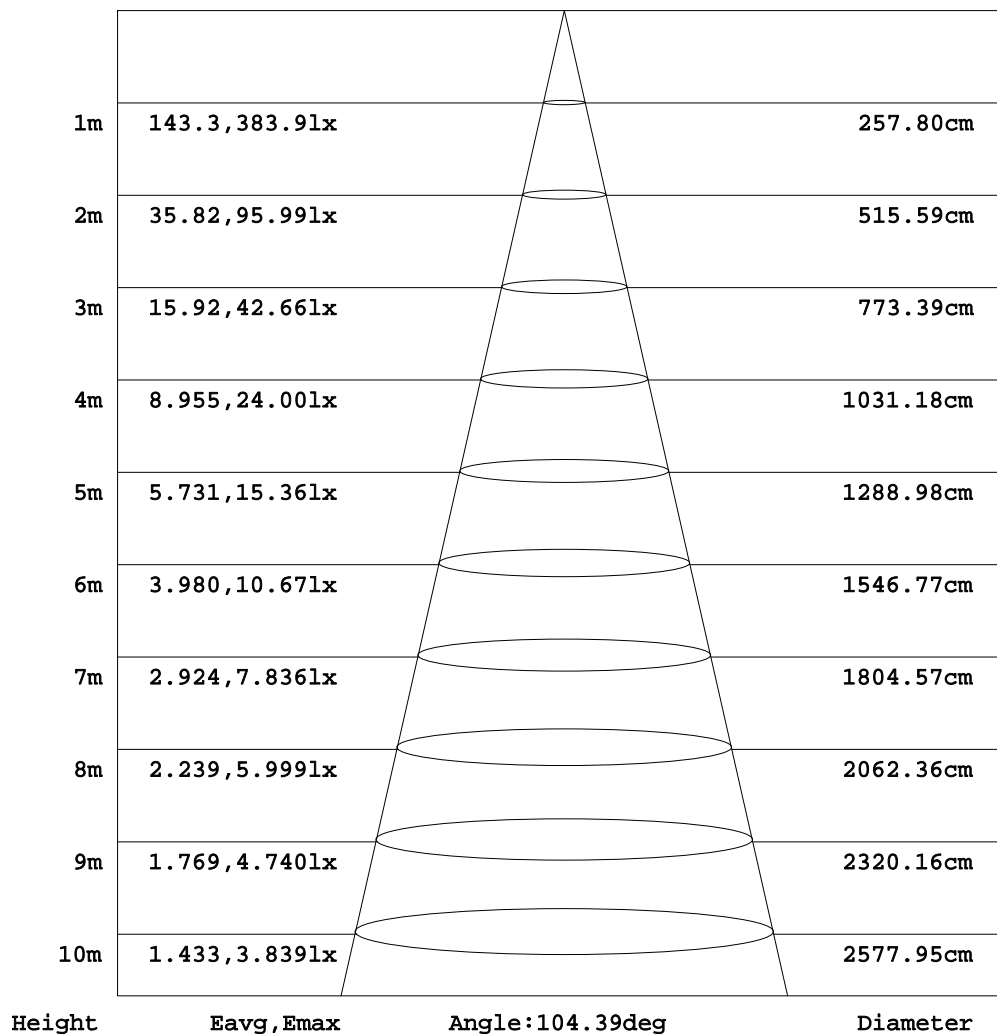
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.7DEG
 Operators: Alan Wang
 Test Date: 26 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.3%
 Test Distance: 2.500m [K=1.0250]
 Remarks:

AAI Figure

Test:U:120.0V I:0.2446A P:25.65W PF:0.8739 Freq:60.00Hz Lamp Flux:1961.77x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

Flux out:792.7 lm



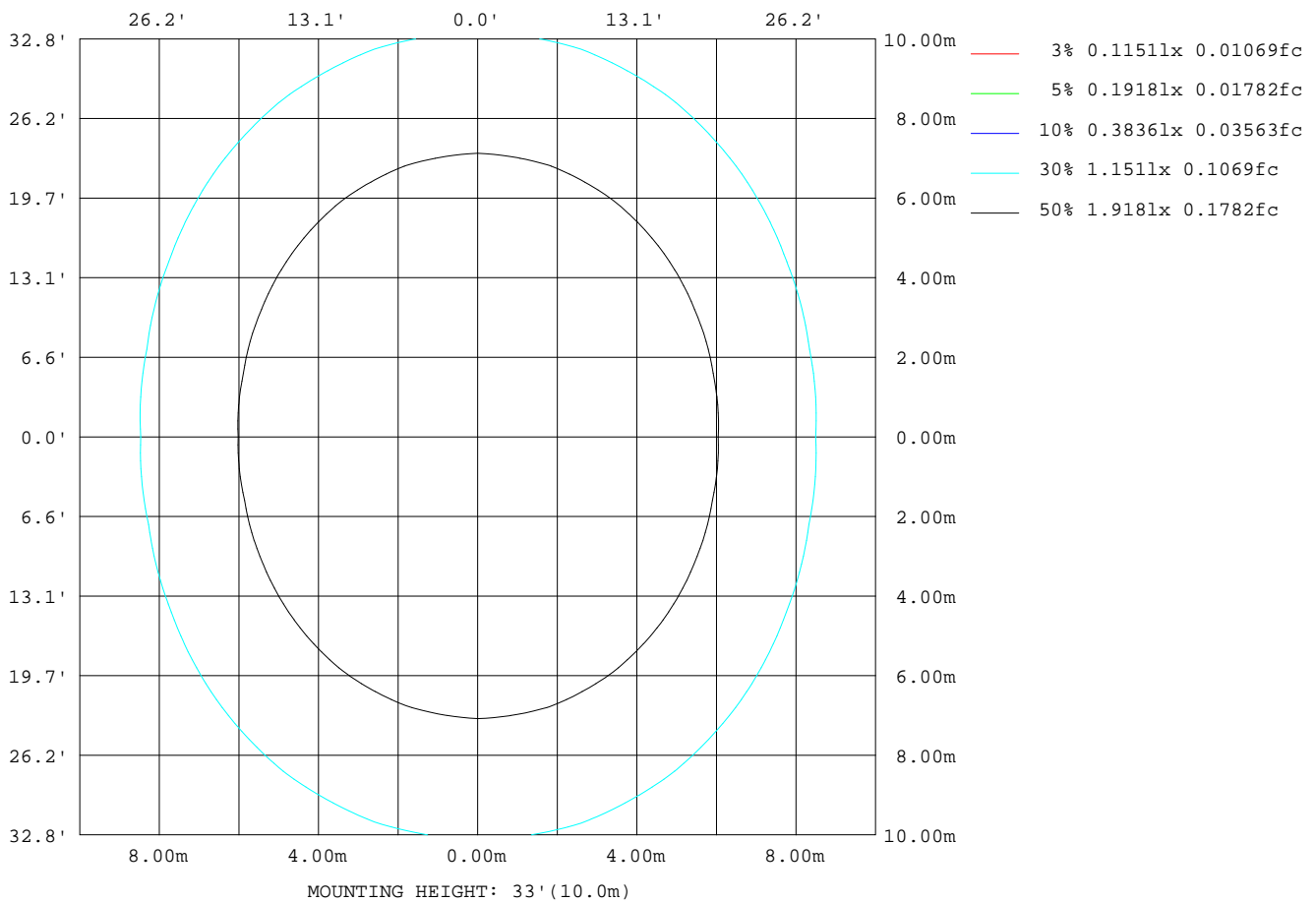
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.7DEG
 Operators: Alan Wang
 Test Date: 26 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.3%
 Test Distance: 2.500m [K=1.0250]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.2446A P:25.65W PF:0.8739 Freq:60.00Hz Lamp Flux:1961.77x1 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: 24.7DEG
 Operators: Alan Wang
 Test Date: 26 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.3%
 Test Distance: 2.500m [K=1.0250]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.2446A P:25.65W PF:0.8739 Freq:60.00Hz Lamp Flux:1961.77x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

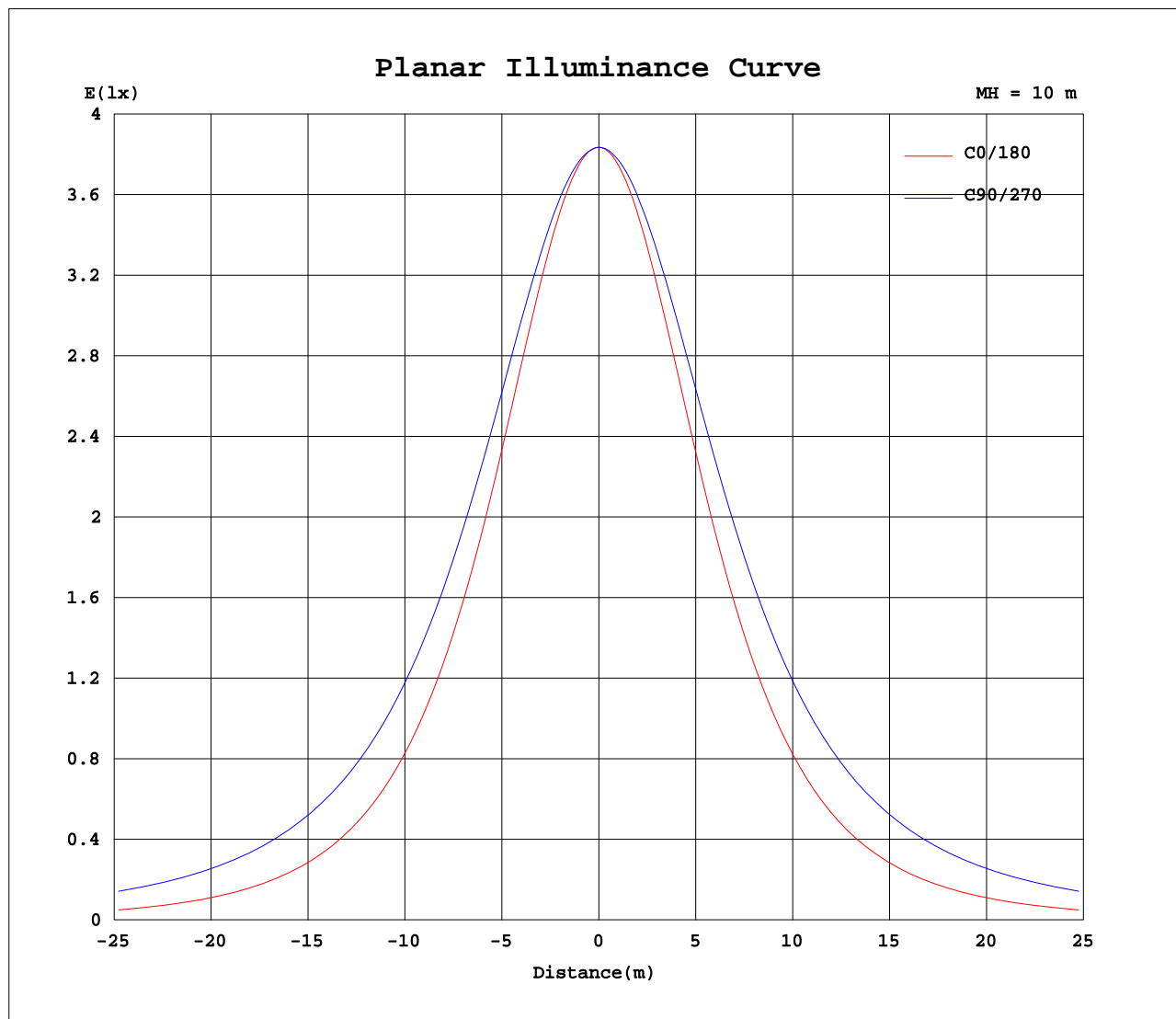
AvgL	cd/m2
L_0~180(65)av	7621
L_0~180(75)av	6005
L_0~180(85)av	2706
L_90~270(65)av	18768
L_90~270(75)av	27390
L_90~270(85)av	71662
L_45(65)av	14400
L_45(75)av	19743
L_45(85)av	48905

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.7DEG
Operators: Alan Wang
Test Date: 26 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 41.3%
Test Distance: 2.500m [K=1.0250]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.7DEG
Operators: Alan Wang
Test Date: 26 December 2024

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 41.3%
Test Distance: 2.500m [K=1.0250]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2446A P:25.65W PF:0.8739 Freq:60.00Hz Lamp Flux:1961.77x1 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	384	383	384	384	383	384	384	384	384	384	384	384	384	383	384	384	383	384	384
5	382	382	382	382	382	383	383	383	383	382	382	381	381	381	382	382	382	383	383
10	375	376	377	378	380	381	381	380	379	378	376	375	374	375	377	378	380	381	382
15	365	366	368	372	375	377	378	377	374	370	367	364	363	365	368	371	375	378	379
20	350	352	357	362	368	372	373	372	367	361	355	350	349	351	356	362	369	373	375
25	332	335	342	351	360	366	368	365	359	349	340	332	331	334	342	351	361	368	370
30	311	315	325	338	350	358	361	357	348	335	322	312	310	314	325	338	351	360	364
35	288	292	306	322	338	350	353	348	337	320	303	290	286	292	306	323	340	352	356
40	262	268	285	306	326	340	344	338	324	303	282	265	260	267	285	307	328	341	346
45	234	242	263	289	312	328	333	326	310	286	260	239	233	242	263	290	314	330	335
50	205	215	241	271	298	315	321	314	295	268	237	212	204	215	241	272	299	317	323
55	175	188	218	253	282	302	308	300	280	249	214	185	174	188	219	254	284	303	310
60	145	160	196	234	266	288	295	286	264	231	192	157	144	161	196	235	268	289	296
65	114	134	174	216	251	273	280	272	248	213	170	130	114	134	175	217	252	274	281
70	84.0	108	154	199	235	258	266	257	233	196	150	104	83.8	109	155	199	236	259	266
75	55.0	84.0	135	182	220	243	251	242	217	179	131	80.6	55.1	85.6	136	183	220	243	251
80	28.6	63.6	118	167	205	228	236	227	202	164	114	60.1	29.0	65.3	119	167	204	228	236
85	8.42	47.4	103	152	190	214	221	212	188	149	99.6	44.2	8.27	49.3	104	153	190	213	221
90	0.17	36.5	90.6	139	176	199	207	198	174	136	87.3	33.6	0.22	38.2	91.8	139	176	199	206
95	0.85	30.2	80.7	127	163	185	193	184	161	125	77.7	27.8	0.96	31.6	81.7	127	163	185	191
100	2.42	26.1	72.5	116	151	172	179	171	149	114	69.8	24.0	2.49	27.3	73.4	116	150	171	178
105	4.65	22.9	65.7	106	138	159	165	158	137	104	63.4	21.3	4.69	24.1	66.4	107	138	158	164
110	7.64	20.9	59.7	97.4	127	146	152	145	126	95.5	57.7	20.0	7.51	22.0	60.3	97.3	126	145	151
115	11.3	21.9	54.5	88.6	116	134	139	133	115	87.1	53.0	21.4	10.8	22.2	55.1	88.6	116	133	138
120	14.8	24.0	50.1	80.7	106	122	127	121	105	79.5	48.9	23.7	13.5	23.9	50.3	80.7	105	121	126
125	17.8	26.4	46.2	73.3	95.5	110	115	109	95.0	72.5	45.5	26.2	16.7	26.2	44.2	73.3	95.1	109	114
130	20.7	28.8	44.5	66.5	86.0	98.8	103	98.5	85.6	66.1	44.1	28.3	20.1	28.7	43.4	66.2	85.8	98.1	102
135	23.4	31.0	43.6	60.3	77.1	88.2	92.0	87.9	76.9	60.1	43.4	30.5	23.2	31.5	43.6	58.3	76.6	87.6	91.3
140	25.7	33.2	43.2	56.1	68.7	78.2	81.5	78.1	68.8	56.0	43.2	32.3	26.4	33.5	43.5	52.5	68.2	77.7	80.9
145	27.5	35.3	43.2	52.8	62.4	69.2	71.8	69.1	62.3	52.8	43.0	34.0	29.1	34.9	43.2	51.3	59.7	68.5	71.4
150	29.2	37.2	43.2	50.3	57.4	62.6	64.5	62.5	57.5	50.5	42.4	36.2	31.0	36.2	43.1	48.5	54.7	61.2	63.8
155	31.2	39.0	43.4	48.5	53.4	57.1	58.6	57.2	53.6	48.7	42.7	38.1	33.1	35.3	42.9	46.1	51.3	52.6	57.7
160	33.7	40.0	43.8	47.0	50.3	52.7	53.7	52.8	50.5	47.4	42.0	39.4	35.0	35.3	42.4	44.9	47.6	50.8	50.0
165	31.8	36.4	44.2	46.0	48.0	49.4	49.9	49.4	48.1	44.3	41.4	35.5	32.6	30.4	38.1	44.6	45.0	47.1	48.6
170	26.9	27.8	37.2	44.7	46.2	46.8	47.0	46.8	45.1	34.4	30.7	27.0	27.3	27.0	27.8	31.8	38.8	43.9	45.3
175	23.6	23.6	24.0	26.3	27.0	28.3	28.7	28.3	27.0	24.2	23.6	23.8	24.0	24.0	23.9	23.7	23.5	24.7	33.9
180	36.9	35.9	32.7	24.8	20.9	8.45	1.81	8.74	18.2	27.3	32.6	35.9	34.5	34.5	33.6	30.7	25.7	18.9	13.7

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 24.7DEG

Operators: Alan Wang

Test Date: 26 December 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416

Humidity: 41.3%

Test Distance: 2.500m [K=1.0250]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2446A P:25.65W PF:0.8739 Freq:60.00Hz Lamp Flux:1961.77x1 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	384	384	384	384	384														
5	383	383	383	383	382														
10	381	380	379	378	376														
15	378	376	372	369	366														
20	373	370	363	357	353														
25	368	361	352	343	336														
30	360	351	339	326	316														
35	352	340	324	307	294														
40	342	327	307	286	269														
45	330	313	289	263	243														
50	317	298	271	240	216														
55	303	282	252	217	188														
60	288	266	234	194	160														
65	273	250	215	172	133														
70	258	234	197	151	106														
75	242	218	180	132	81.9														
80	227	202	164	114	60.8														
85	212	187	149	99.4	44.1														
90	197	173	136	87.0	33.0														
95	183	160	124	77.0	26.9														
100	170	148	113	68.9	23.1														
105	156	136	103	62.3	20.3														
110	144	124	94.2	56.6	19.0														
115	132	114	85.9	51.8	20.5														
120	120	103	78.3	47.8	22.8														
125	108	93.6	71.3	44.3	25.5														
130	97.4	84.5	64.9	43.0	27.8														
135	87.1	75.9	59.0	42.4	29.6														
140	77.4	67.9	55.0	42.3	31.5														
145	68.6	61.7	52.2	42.6	33.5														
150	62.4	57.4	50.4	43.0	35.9														
155	57.1	54.0	49.3	43.8	38.4														
160	52.7	50.8	48.2	44.6	40.3														
165	46.8	48.2	46.6	44.9	40.7														
170	46.0	44.9	45.5	42.2	32.7														
175	41.3	40.5	35.0	25.3	23.1														
180	1.26	13.5	20.0	26.1	31.3														

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 24.7DEG

Operators: Alan Wang

Test Date: 26 December 2024

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416

Humidity: 41.3%

Test Distance: 2.500m [K=1.0250]

Remarks: