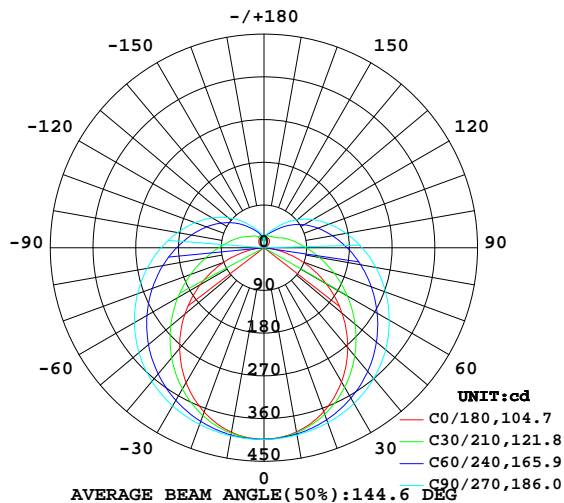


LUMINAIRE PHOTOMETRIC TEST REPORT

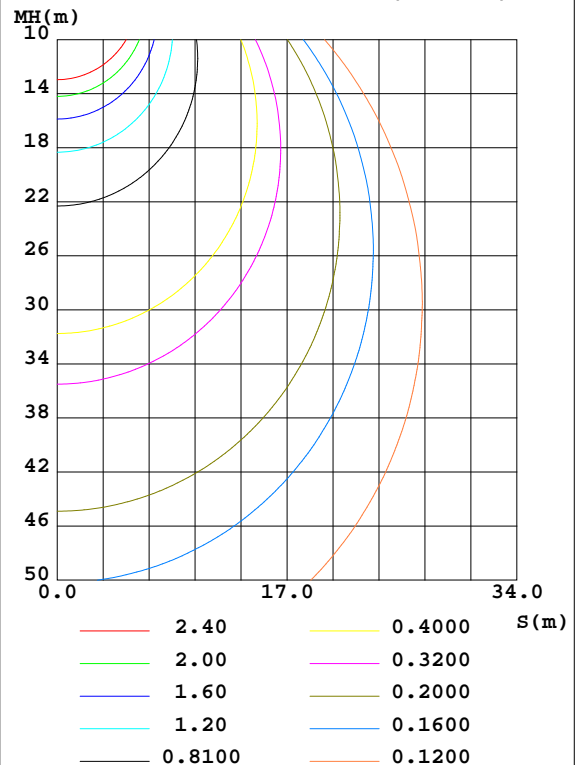
Test:U:120.0V I:0.2465A P:25.79W PF:0.8718 Freq:60.00Hz Lamp Flux:2000.52x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 77.57 lm/W			
MODEL	C06015301A	I _{max} (cd)	403.8	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)	2000.5	η UP,DN(C0-180)	10.9,38.4
NOMINAL FLUX(lm)	2000.52	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	11.5,39.3
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	394.0	397.2	400.5	397.5	394.7	398.6	402.3	398.4	0- 10	38.24	38.24	1.91,1.91
20	367.6	379.7	392.4	380.2	368.4	383.1	396.0	382.5	10- 20	110.4	148.6	7.43,7.43
30	326.6	353.4	379.1	353.8	328.0	357.9	384.6	357.2	20- 30	170.3	319.0	15.9,15.9
40	274.3	319.6	359.7	320.0	276.4	325.7	367.3	324.2	30- 40	212.2	531.1	26.5,26.5
50	214.6	281.8	334.6	282.4	217.7	289.2	343.8	287.4	40- 50	233.0	764.2	38.2,38.2
60	151.3	242.3	304.6	242.7	154.5	250.2	315.2	248.2	50- 60	233.1	997.3	49.9,49.9
70	86.73	203.6	272.4	204.1	90.88	211.9	283.4	209.3	60- 70	215.6	1213	60.6,60.6
80	28.46	168.3	239.3	168.7	32.38	176.2	250.0	173.7	70- 80	186.4	1399	69.9,69.9
90	0.1402	137.8	206.7	137.9	0.1758	145.5	217.0	142.8	80- 90	153.6	1553	77.6,77.6
100	1.473	112.3	175.4	112.3	1.374	119.7	184.6	117.3	90-100	125.2	1678	83.9,83.9
110	4.585	91.11	146.3	91.32	4.328	98.02	154.9	95.90	100-110	100.1	1778	88.9,88.9
120	9.350	72.33	118.8	72.60	8.975	78.58	126.0	76.66	110-120	77.11	1855	92.7,92.7
130	14.04	55.60	92.15	56.10	13.65	61.19	98.67	59.71	120-130	56.43	1912	95.6,95.6
140	18.01	42.74	67.77	42.76	17.39	47.02	73.49	46.37	130-140	38.78	1951	97.5,97.5
150	21.23	34.55	48.09	34.24	20.86	37.25	52.93	38.18	140-150	25.02	1976	98.8,98.8
160	22.57	29.74	35.45	29.72	22.79	26.92	38.82	33.31	150-160	15.18	1991	99.5,99.5
170	16.78	26.40	28.45	22.11	16.89	19.99	29.56	28.96	160-170	7.845	1999	99.9,99.9
180	21.85	15.33	8.010	18.47	20.48	18.37	9.044	12.00	170-180	1.886	2001	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 646.38 lm

%lum = 32.3%

%lamp = 32.3%

Conical surface Flux(120deg): 997.27 lm

%lum = 49.9%

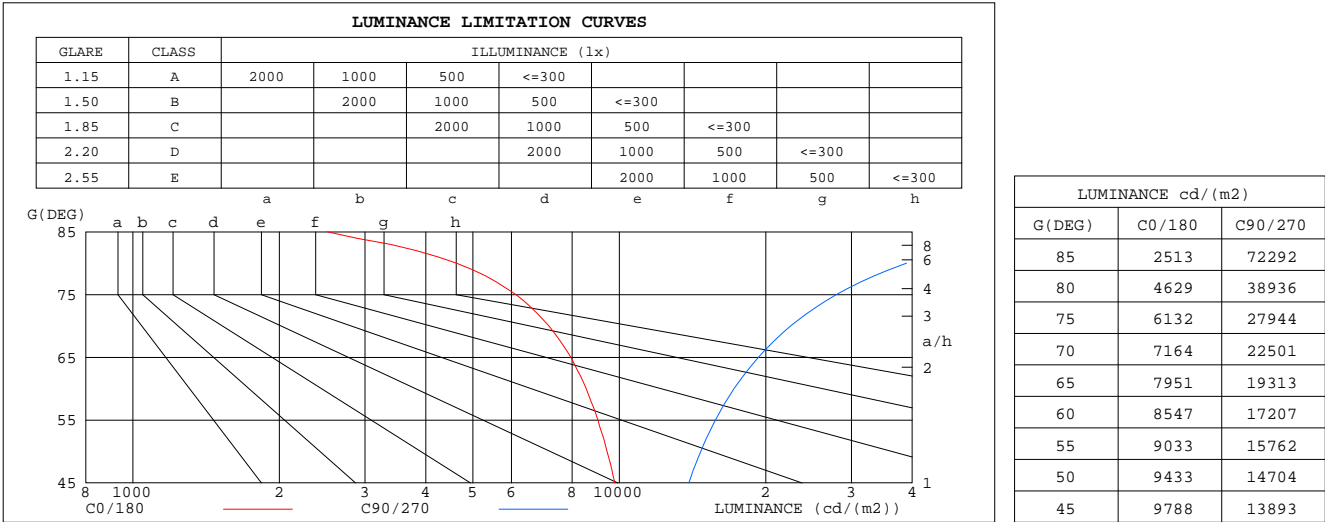
%lamp = 49.9%

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:0.2465A P:25.79W PF:0.8718 Freq:60.00Hz Lamp Flux:2000.52x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:



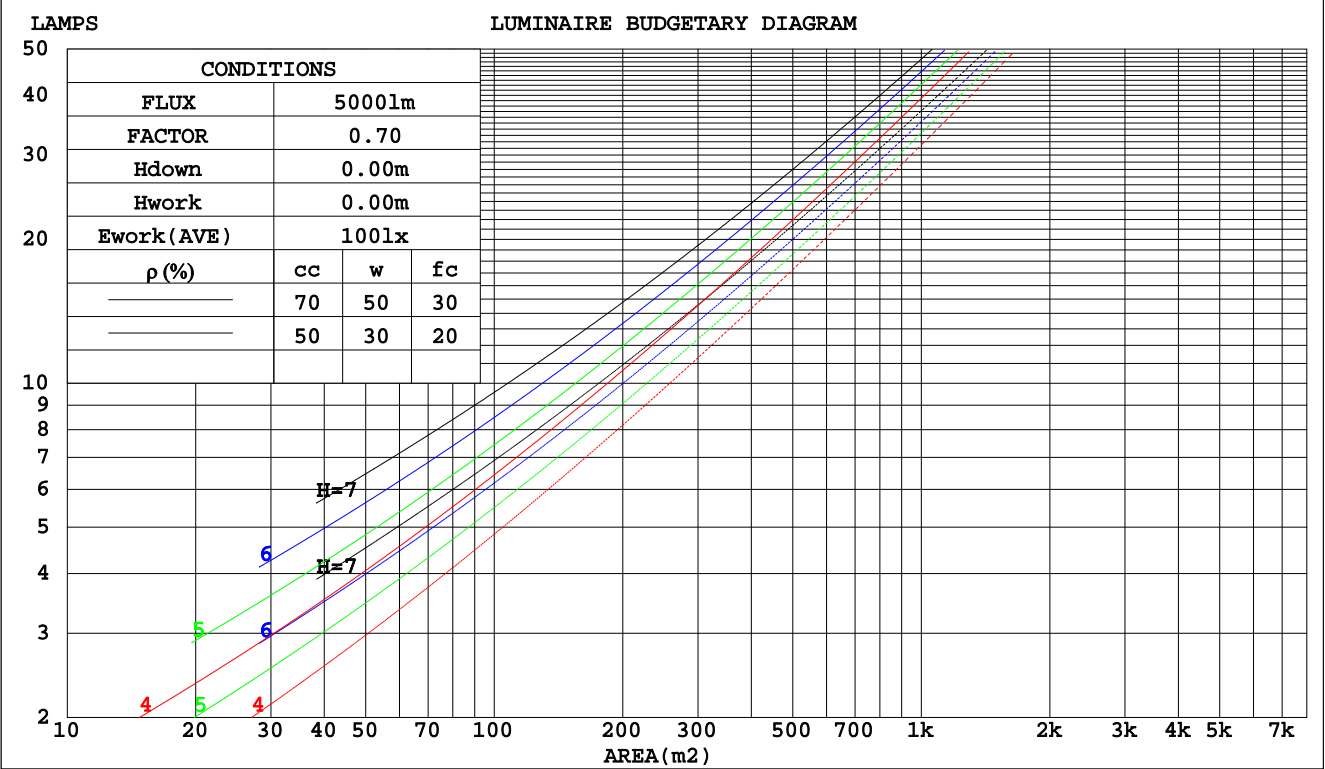
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.9DEG
Operators: Alan Wang
Test Date: 27 December 2024

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:0.2465A P:25.79W PF:0.8718 Freq:60.00Hz Lamp Flux:2000.52x1 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															



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:0.2465A P:25.79W PF:0.8718 Freq:60.00Hz Lamp Flux:2000.52x1 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	.386	.220	.070	.372	.212	.067	.346	.198	.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	.203	.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	.308	.308	.308	.211	.211	.211	.121	.121	.121	.039	.039	.039	
1.0	.357	.327	.300	.306	.281	.258	.209	.193	.179	.120	.112	.104	.039	.036	.034	
2.0	.351	.305	.266	.300	.262	.230	.206	.181	.160	.119	.106	.094	.038	.034	.031	
3.0	.343	.288	.245	.294	.249	.212	.202	.173	.149	.117	.101	.088	.037	.033	.029	
4.0	.336	.276	.231	.288	.239	.200	.198	.166	.141	.115	.097	.083	.037	.032	.027	
5.0	.328	.266	.221	.282	.230	.192	.194	.161	.136	.112	.095	.081	.036	.031	.027	
6.0	.321	.258	.214	.275	.224	.186	.190	.157	.132	.110	.092	.078	.036	.030	.026	
7.0	.313	.252	.209	.270	.218	.182	.186	.153	.129	.108	.090	.077	.035	.030	.025	
8.0	.307	.246	.205	.264	.214	.179	.183	.150	.127	.106	.089	.076	.034	.029	.025	
9.0	.301	.242	.202	.259	.210	.176	.179	.147	.125	.105	.087	.075	.034	.029	.025	
10.0	.295	.238	.200	.254	.206	.174	.176	.145	.124	.103	.086	.074	.033	.028	.024	

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:0.2465A P:25.79W PF:0.8718 Freq:60.00Hz Lamp Flux:2000.52x1 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		18.6	20.0	19.2	20.5	21.2	21.6	22.9	22.1	23.4	24.1
3H		20.0	21.2	20.6	21.8	22.5	24.3	25.6	24.9	26.2	26.8
4H		20.5	21.6	21.1	22.2	22.9	25.9	27.0	26.5	27.7	28.4
6H		20.8	21.9	21.4	22.5	23.2	27.6	28.7	28.2	29.3	30.0
8H		20.8	21.9	21.5	22.5	23.3	28.5	29.6	29.2	30.2	31.0
12H		20.9	21.9	21.5	22.5	23.3	29.6	30.6	30.3	31.3	32.1
4H 2H		20.0	21.2	20.6	21.8	22.5	22.1	23.2	22.7	23.8	24.5
3H		21.7	22.7	22.3	23.3	24.1	25.1	26.1	25.8	26.8	27.5
4H		22.4	23.3	23.1	24.0	24.8	26.9	27.8	27.5	28.5	29.3
6H		22.9	23.7	23.6	24.4	25.3	28.8	29.6	29.5	30.3	31.2
8H		23.0	23.8	23.8	24.5	25.4	29.9	30.7	30.6	31.4	32.2
12H		23.1	23.9	23.9	24.6	25.4	31.1	31.8	31.8	32.6	33.4
8H 4H		23.7	24.5	24.5	25.2	26.1	27.2	28.0	27.9	28.7	29.5
6H		24.7	25.4	25.5	26.1	27.0	29.4	30.1	30.2	30.8	31.7
8H		25.1	25.7	25.9	26.5	27.4	30.7	31.3	31.5	32.1	33.0
12H		25.4	26.0	26.2	26.7	27.7	32.3	32.8	33.0	33.6	34.5
12H 4H		24.2	24.9	24.9	25.6	26.5	27.2	27.9	27.9	28.6	29.5
6H		25.5	26.1	26.2	26.8	27.7	29.5	30.1	30.3	30.9	31.8
8H		26.1	26.6	26.9	27.4	28.3	31.0	31.5	31.7	32.3	33.2
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, 2001 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.4$)
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:0.2465A P:25.79W PF:0.8718 Freq:60.00Hz Lamp Flux:2000.52x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

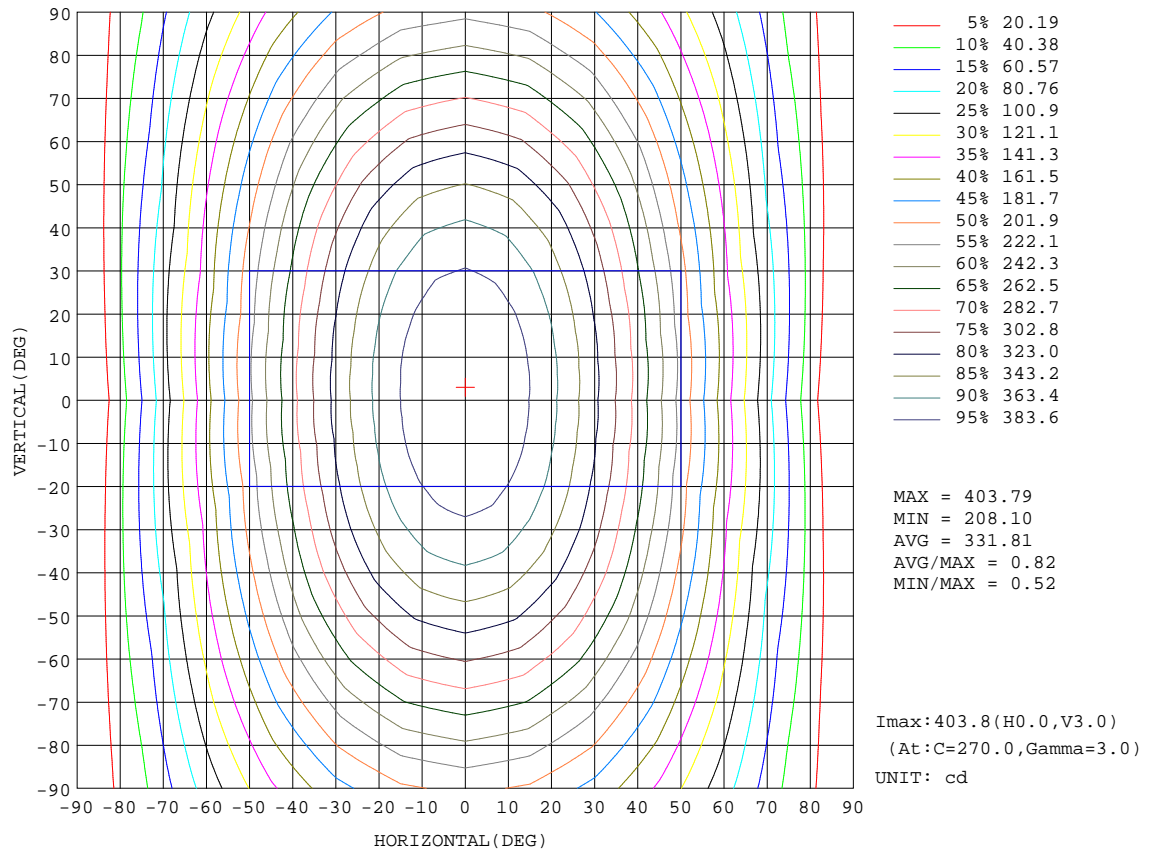
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	27	45	33	26	43	32	26	19
0.80	55	42	34	54	42	34	51	40	33	25
1.00	63	50	42	61	49	41	57	49	40	30
1.25	70	57	49	67	56	48	63	53	46	36
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	77	68	83	74	66	76	69	63	49
3.00	91	81	74	87	78	71	79	73	67	52
4.00	95	87	81	91	84	78	83	78	73	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:0.2465A P:25.79W PF:0.8718 Freq:60.00Hz Lamp Flux:2000.52x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:



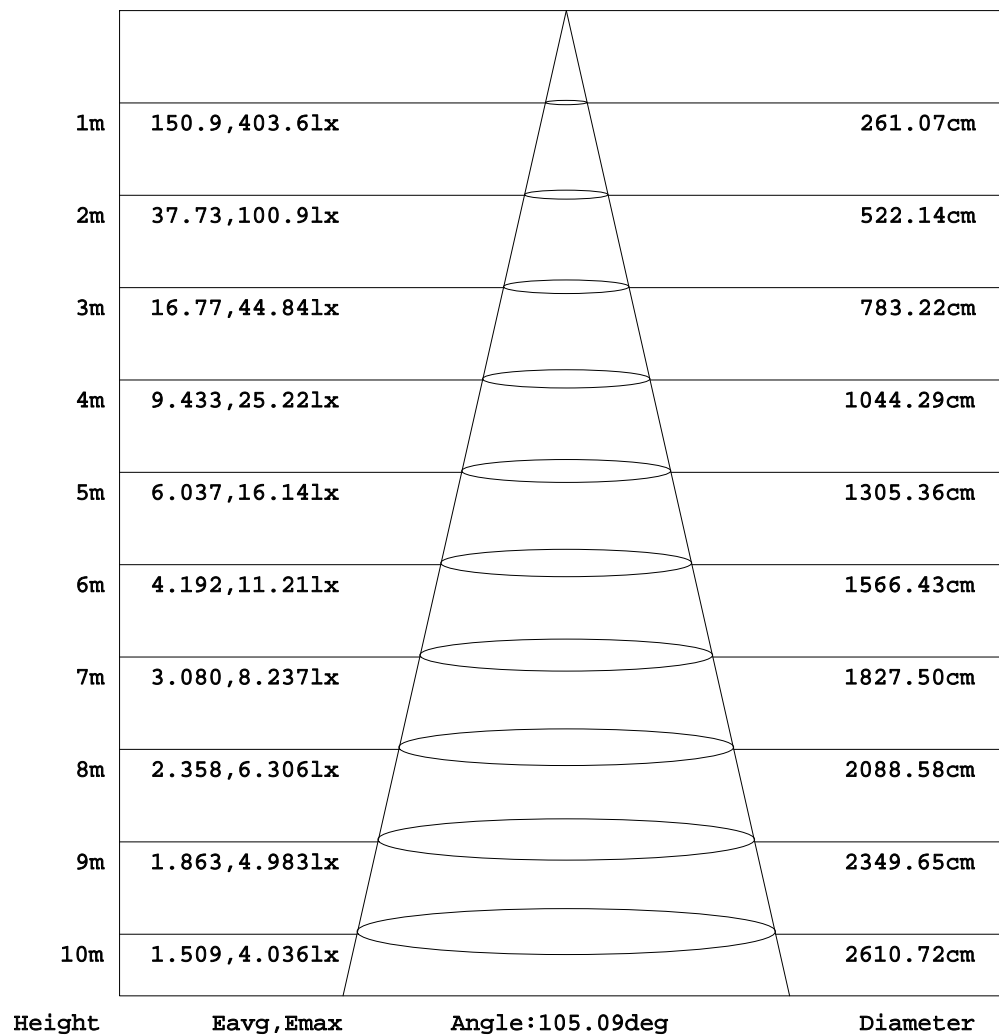
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Alan Wang
 Test Date: 27 December 2024

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:0.2465A P:25.79W PF:0.8718 Freq:60.00Hz Lamp Flux:2000.52x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

Flux out:835.0 lm



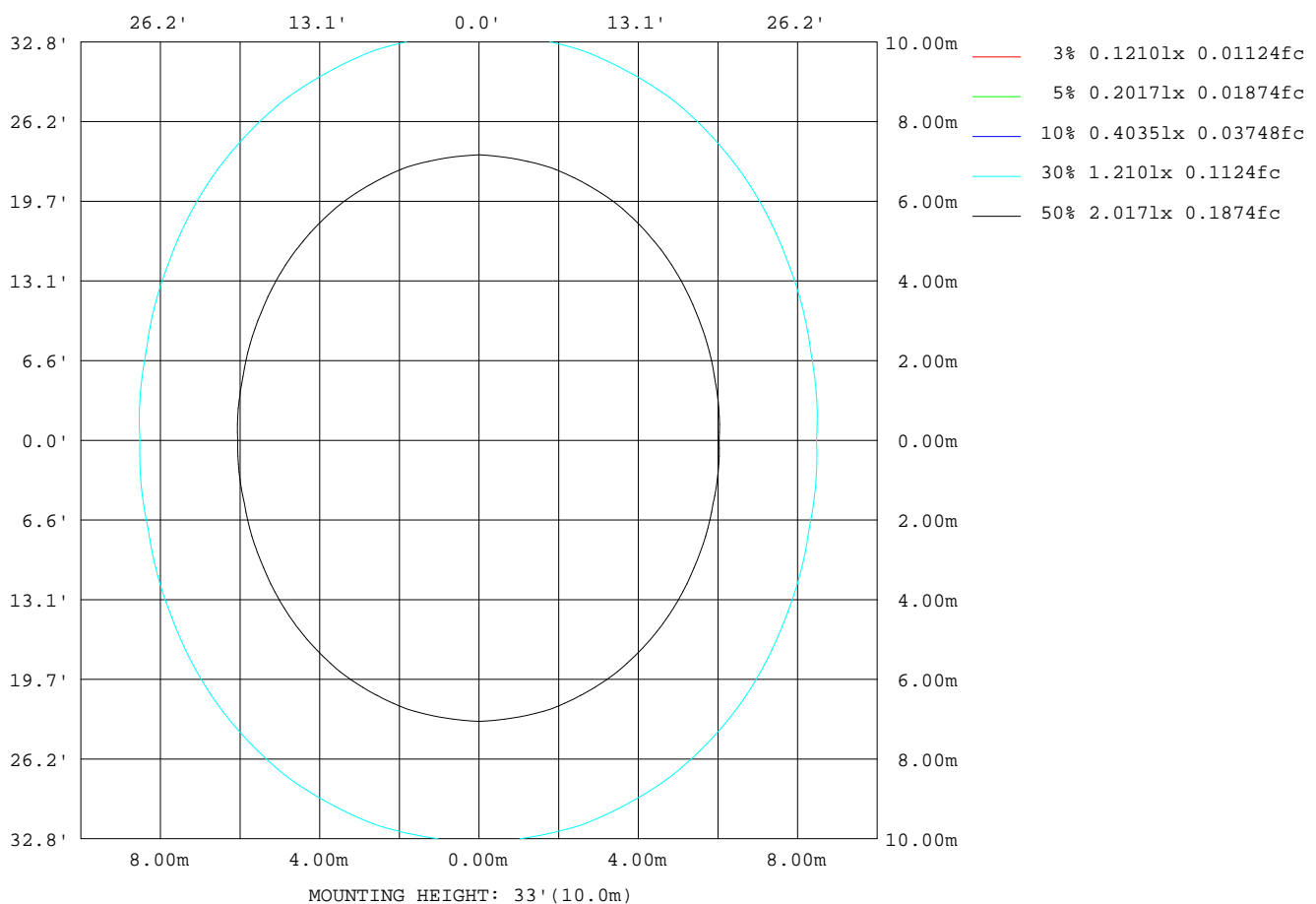
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2465A P:25.79W PF:0.8718 Freq:60.00Hz Lamp Flux:2000.52x1 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:0.2465A P:25.79W PF:0.8718 Freq:60.00Hz Lamp Flux:2000.52x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

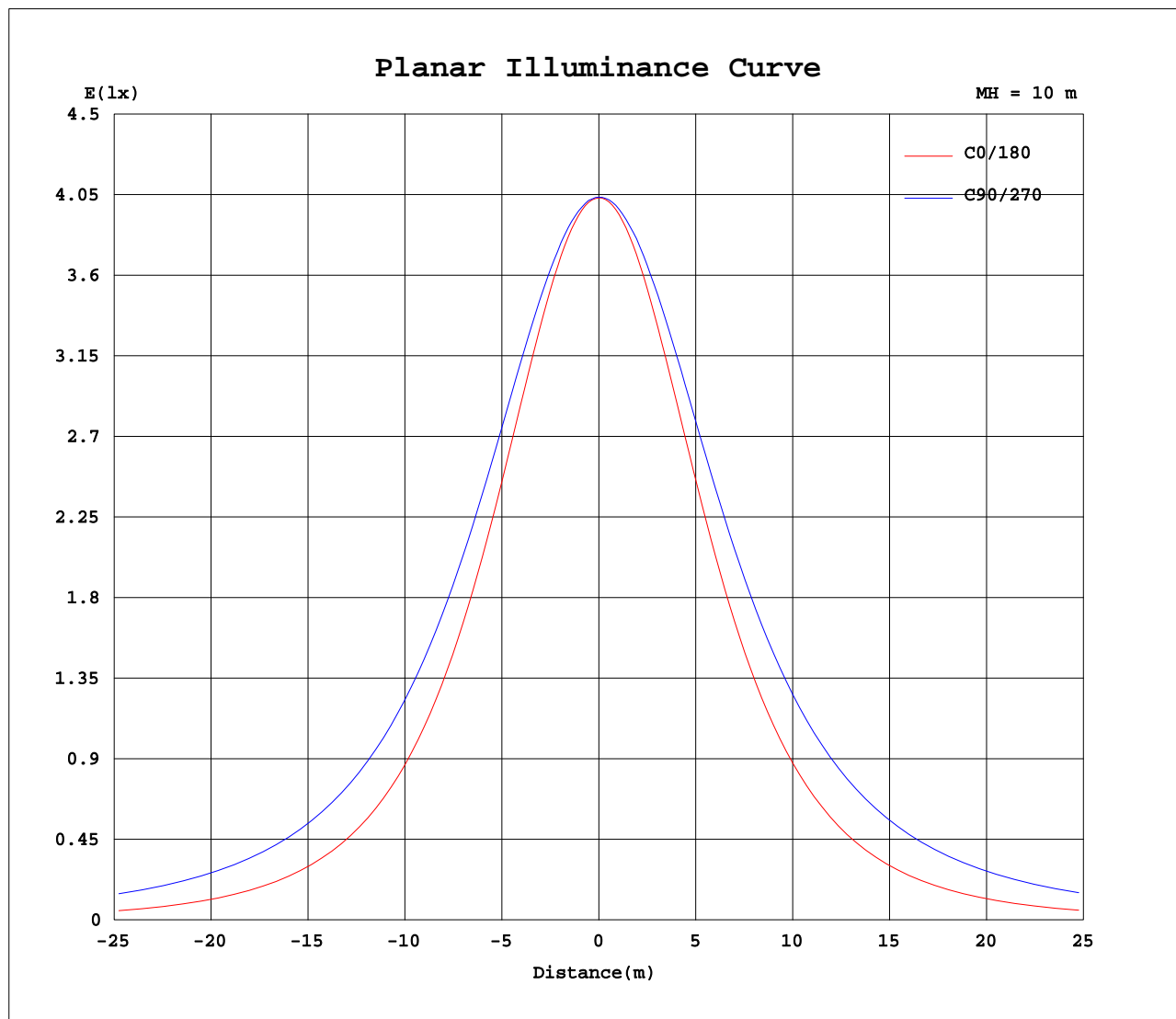
AvgL	cd/m2
L_0~180(65)av	8072
L_0~180(75)av	6354
L_0~180(85)av	2864
L_90~270(65)av	19666
L_90~270(75)av	28530
L_90~270(85)av	73947
L_45(65)av	15138
L_45(75)av	20622
L_45(85)av	50477

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:0.2465A P:25.79W PF:0.8718 Freq:60.00Hz Lamp Flux:2000.52x1 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	403	403	403	403	403	404	404	403	403	403	403	404	403	403	403	403	403	404	404
5	401	401	401	402	402	402	403	402	402	402	401	401	401	402	402	402	403	403	404
10	394	394	395	397	398	400	400	400	399	398	396	395	395	395	397	399	401	402	402
15	383	384	386	390	393	396	397	396	394	390	387	384	384	385	388	392	396	399	399
20	368	369	373	380	386	390	392	390	386	380	374	369	368	371	376	383	389	394	396
25	349	351	358	368	377	384	386	384	377	368	359	352	350	353	361	372	381	389	391
30	327	330	340	353	366	375	379	376	366	354	340	331	328	333	344	358	371	381	385
35	302	306	319	337	354	366	370	366	354	338	320	307	303	309	324	342	360	372	377
40	274	280	297	320	340	355	360	355	340	320	298	281	276	284	303	326	347	362	367
45	245	253	274	301	325	342	348	342	326	301	275	254	248	257	280	308	333	350	356
50	215	225	250	282	309	328	335	328	310	282	251	226	218	229	256	289	318	337	344
55	183	196	226	262	293	313	320	313	293	263	227	197	186	200	233	270	301	323	330
60	151	167	203	242	275	297	305	297	276	243	204	168	155	172	209	250	285	307	315
65	119	138	180	223	258	281	289	281	258	223	181	140	123	144	186	231	267	291	300
70	86.7	111	158	204	240	265	272	264	241	204	159	113	90.9	116	164	212	250	275	283
75	56.2	85.3	137	185	223	248	256	247	224	186	138	87.2	60.3	91.3	144	193	233	259	267
80	28.5	63.5	119	168	207	231	239	231	207	169	120	65.0	32.4	69.2	125	176	216	241	250
85	7.75	46.4	103	152	191	215	223	215	191	153	103	47.5	9.92	51.7	109	160	200	225	233
90	0.14	34.7	88.8	138	175	199	207	199	175	138	89.2	35.4	0.18	39.2	95.3	145	184	208	217
95	0.55	27.9	77.7	124	161	183	191	183	161	125	77.8	28.2	0.56	31.7	83.8	132	169	193	200
100	1.47	23.3	68.7	112	147	168	175	168	146	112	68.7	23.6	1.37	26.8	74.5	120	155	177	185
105	2.80	19.3	61.0	101	133	154	161	153	133	101	61.2	19.7	2.62	22.5	66.6	108	142	162	169
110	4.59	16.3	54.0	91.1	121	140	146	140	121	91.3	54.2	16.5	4.33	18.9	59.3	98.0	129	148	155
115	6.88	16.2	47.7	81.4	109	127	132	126	109	81.7	48.0	16.0	6.56	18.2	52.8	88.0	116	134	140
120	9.35	16.9	42.0	72.3	97.2	113	119	113	97.3	72.6	42.4	16.4	8.97	18.8	46.8	78.6	104	121	126
125	11.8	18.0	36.9	63.7	85.7	100	105	100	86.0	64.1	37.3	17.4	11.5	19.5	41.2	69.7	92.5	107	112
130	14.0	19.0	34.1	55.6	74.9	87.7	92.1	87.8	75.3	56.1	34.0	18.5	13.7	19.1	37.6	61.2	81.3	94.4	98.7
135	16.1	20.1	31.8	48.1	64.7	75.8	79.7	75.9	65.1	48.5	31.5	19.7	15.5	18.1	35.1	53.2	70.8	82.0	85.8
140	18.0	21.0	30.1	42.7	55.0	64.5	67.8	64.6	55.5	42.8	29.6	20.7	17.4	20.9	33.0	47.0	60.6	70.3	73.5
145	19.8	21.8	28.8	38.2	47.4	54.0	56.6	54.2	47.6	38.0	28.4	21.7	19.2	21.1	30.2	41.8	52.1	59.3	62.0
150	21.2	22.6	27.9	34.6	41.2	46.2	48.1	46.3	41.3	34.2	27.6	22.5	20.9	21.6	26.9	37.3	45.1	50.7	52.9
155	22.1	23.2	27.3	31.8	36.3	39.6	41.0	39.6	36.2	31.6	27.2	23.3	21.9	21.0	26.3	33.3	38.9	43.3	45.3
160	22.6	23.5	26.9	29.7	32.6	34.6	35.4	34.6	32.5	29.7	26.9	22.9	22.8	20.6	26.6	26.9	34.0	37.1	38.8
165	20.7	21.0	26.6	28.2	29.8	31.0	31.4	31.0	29.8	28.3	25.7	20.5	21.1	19.4	23.7	27.6	27.7	32.3	33.6
170	16.8	16.8	22.3	26.4	27.7	28.3	28.4	28.3	27.2	22.1	18.5	16.5	16.9	16.7	17.3	20.0	24.6	27.0	29.6
175	14.3	14.3	14.6	16.1	22.0	24.8	22.7	21.3	14.7	13.9	13.9	14.0	14.2	14.2	14.2	14.2	14.2	15.5	19.3
180	21.9	21.3	19.4	15.3	14.3	8.49	8.01	3.38	11.5	18.5	22.2	22.2	20.5	20.5	20.0	18.4	15.8	11.2	9.04

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:0.2465A P:25.79W PF:0.8718 Freq:60.00Hz Lamp Flux:2000.52x1 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	403	403	403	403	404														
5	403	403	402	402	402														
10	401	400	398	396	395														
15	398	396	392	388	385														
20	394	389	382	375	370														
25	388	381	371	360	353														
30	380	371	357	343	332														
35	371	359	341	323	308														
40	361	346	324	301	283														
45	349	332	306	278	255														
50	337	317	287	254	227														
55	322	300	268	230	197														
60	307	283	248	206	168														
65	291	266	229	183	140														
70	274	249	209	161	112														
75	258	232	191	140	86.5														
80	241	215	174	121	64.3														
85	224	198	158	105	47.0														
90	208	183	143	91.6	35.2														
95	192	168	130	80.5	28.4														
100	176	154	117	71.6	23.9														
105	162	140	106	63.7	19.9														
110	148	128	95.9	56.6	17.2														
115	134	115	85.9	50.3	17.2														
120	120	103	76.7	44.6	17.6														
125	107	91.3	68.0	39.5	18.0														
130	93.7	80.3	59.7	36.6	18.0														
135	81.5	69.7	52.0	34.2	19.1														
140	69.8	59.9	46.4	32.3	20.4														
145	59.2	52.1	41.7	30.3	21.4														
150	51.1	45.7	38.2	28.9	21.7														
155	44.3	40.8	35.5	28.9	22.8														
160	38.6	36.6	33.3	29.6	24.3														
165	33.8	32.9	31.2	28.8	25.0														
170	29.9	29.7	29.0	26.8	21.5														
175	24.9	25.7	23.3	16.5	14.6														
180	7.06	7.99	12.0	15.6	18.5														

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: