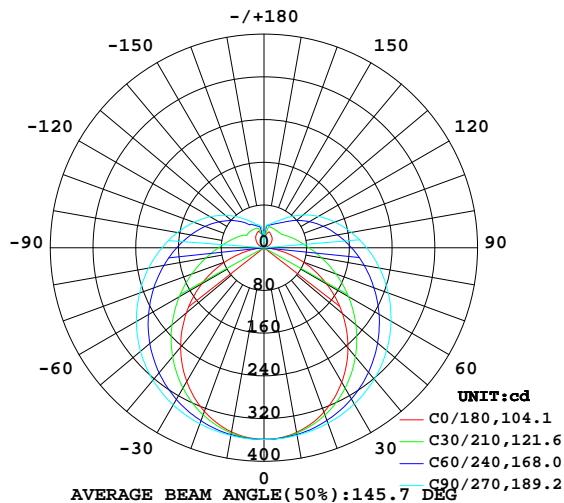


LUMINAIRE PHOTOMETRIC TEST REPORT

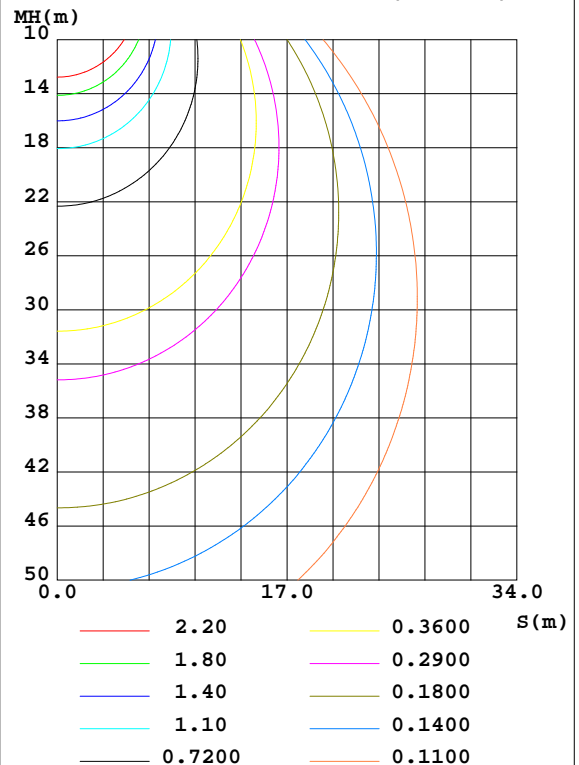
Test:U:120.0V I:0.2429A P:25.42W PF:0.8721 Freq:60.00Hz Lamp Flux:1828.33x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 71.93 lm/W			
MODEL	C06018301A	I _{max} (cd)	359.2	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)	1828.3	η UP,DN(C0-180)	12.3,37.7
NOMINAL FLUX(lm)	1828.33	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	12.2,37.8
LAMPS INSIDE	1	η up(%)	24.5	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	75.5	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	351.1	353.6	356.7	353.3	350.3	354.0	357.1	354.5	0- 10	34.03	34.03	1.86,1.86
20	327.7	339.0	349.7	337.6	326.2	339.0	350.8	339.8	10- 20	98.17	132.2	7.23,7.23
30	291.1	315.6	337.9	313.7	289.3	316.0	340.0	316.4	20- 30	151.3	283.5	15.5,15.5
40	244.7	286.0	321.2	283.6	242.9	286.7	323.6	286.5	30- 40	188.2	471.7	25.8,25.8
50	191.8	253.0	299.7	250.2	190.0	253.8	301.8	252.7	40- 50	206.5	678.1	37.1,37.1
60	135.4	218.5	274.6	215.6	134.2	219.5	275.9	217.7	50- 60	206.4	884.6	48.4,48.4
70	78.46	185.3	247.5	182.4	77.98	185.5	247.9	182.9	60- 70	191.3	1076	58.8,58.8
80	26.95	155.2	219.8	152.4	26.77	155.4	219.6	152.2	70- 80	166.2	1242	67.9,67.9
90	0.1552	129.5	192.4	126.9	0.1998	129.5	191.1	126.1	80- 90	138.3	1380	75.5,75.5
100	2.222	108.2	166.0	106.0	2.326	108.2	164.8	104.8	90-100	114.6	1495	81.8,81.8
110	7.036	90.29	141.2	88.61	6.991	90.21	139.7	87.43	100-110	93.69	1589	86.9,86.9
120	13.72	74.87	117.8	73.83	12.50	74.85	116.4	72.66	110-120	74.67	1663	91.91
130	19.12	61.70	95.73	61.32	18.69	61.41	94.67	60.13	120-130	57.57	1721	94.1,94.1
140	23.86	52.02	75.69	51.95	24.45	48.61	74.99	50.99	130-140	42.68	1763	96.5,96.5
150	27.12	46.72	59.83	46.77	28.73	44.91	59.11	46.70	140-150	30.27	1794	98.1,98.1
160	31.20	43.56	49.82	43.95	32.49	41.62	46.44	44.63	150-160	20.35	1814	99.2,99.2
170	24.96	41.53	43.59	32.22	25.29	29.36	41.93	42.16	160-170	11.36	1825	99.8,99.8
180	34.55	23.07	2.150	25.46	31.96	28.49	12.74	18.38	170-180	2.856	1828	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 573.81 lm

%lum = 31.4%

%lamp = 31.4%

Conical surface Flux(120deg): 884.57 lm

%lum = 48.4%

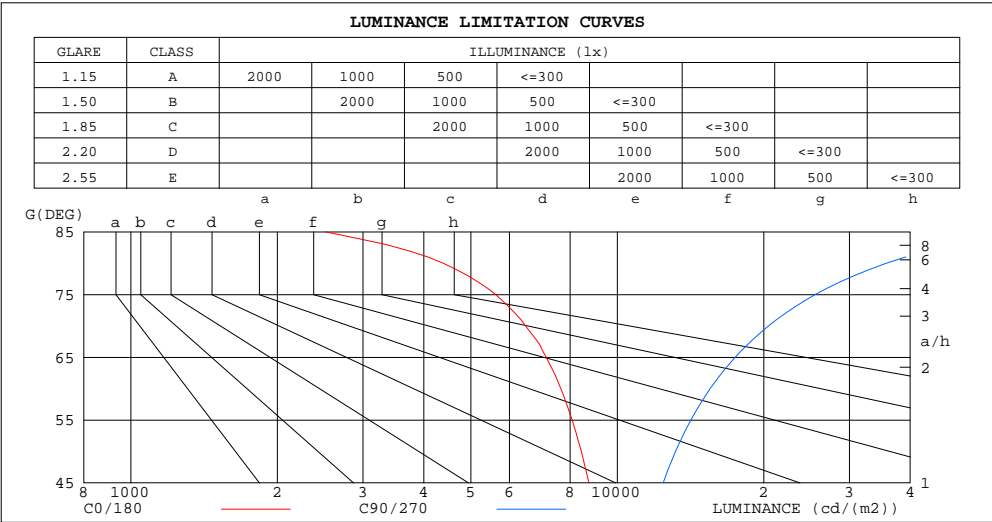
%lamp = 48.4%

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:0.2429A P:25.42W PF:0.8721 Freq:60.00Hz Lamp Flux:1828.33x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2513	66726
80	4385	35749
75	5621	25496
70	6480	20442
65	7146	17464
60	7652	15513
55	8075	14161
50	8430	13171
45	8744	12423

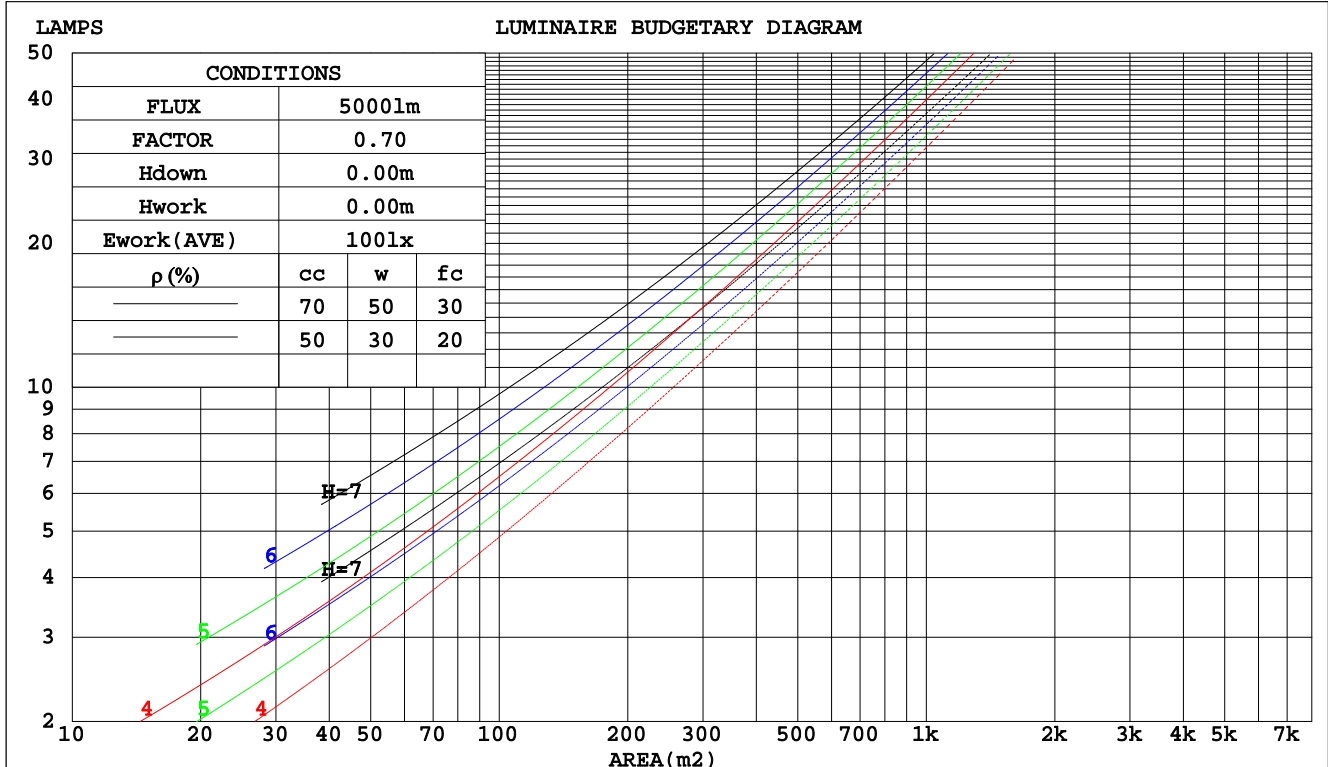
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.7DEG
Operators:Alan Wang
Test Date:26 December 2024

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:0.2429A P:25.42W PF:0.8721 Freq:60.00Hz Lamp Flux:1828.33x1 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	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio	1.13	1.13	1.13	1.08	1.08	1.08	.97	.97	.97	.88	.88	.88	.80	.80	.80	.75
1.0	.94	.89	.84	.89	.85	.80	.81	.77	.73	.72	.69	.67	.65	.63	.60	.57
2.0	.80	.73	.66	.76	.69	.63	.69	.63	.58	.62	.57	.53	.55	.52	.49	.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	.40	.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	.34	.28	.38	.31	.26	.35	.28	.24	.31	.26	.22	.20
8.0	.40	.31	.25	.38	.30	.24	.35	.28	.23	.32	.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	.20	.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:0.2429A P:25.42W PF:0.8721 Freq:60.00Hz Lamp Flux:1828.33x1 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	.182	.059	.293	.170	.055		
2.0	.331	.181	.056	.317	.175	.054	.292	.163	.051	.269	.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	.377	.377	.377	.322	.322	.322	.220	.220	.220	.126	.126	.126	.040	.040	.040	
1.0	.374	.344	.317	.320	.295	.273	.219	.203	.189	.126	.117	.110	.040	.038	.035	
2.0	.367	.321	.283	.314	.277	.244	.215	.191	.171	.124	.111	.100	.040	.036	.033	
3.0	.359	.305	.262	.308	.263	.227	.212	.183	.159	.122	.107	.094	.039	.035	.031	
4.0	.352	.293	.248	.302	.253	.215	.208	.176	.151	.120	.103	.090	.039	.034	.029	
5.0	.344	.283	.238	.296	.245	.207	.204	.171	.146	.118	.100	.087	.038	.033	.029	
6.0	.337	.275	.231	.290	.238	.201	.200	.167	.142	.116	.098	.085	.037	.032	.028	
7.0	.330	.269	.226	.284	.233	.197	.196	.163	.139	.114	.096	.083	.037	.031	.027	
8.0	.323	.263	.222	.278	.228	.193	.193	.160	.137	.112	.095	.082	.036	.031	.027	
9.0	.317	.258	.219	.273	.224	.191	.189	.158	.136	.110	.093	.081	.036	.031	.027	
10.0	.311	.254	.216	.268	.221	.189	.186	.155	.134	.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:0.2429A P:25.42W PF:0.8721 Freq:60.00Hz Lamp Flux:1828.33x1 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	18.2	19.5	18.8	20.1	20.8	21.1	22.4	21.7	23.0	23.7
	3H	19.5	20.7	20.1	21.3	22.1	23.9	25.1	24.5	25.7	26.5
	4H	20.0	21.2	20.7	21.8	22.6	25.5	26.6	26.1	27.3	28.0
	6H	20.4	21.4	21.0	22.1	22.9	27.2	28.3	27.9	28.9	29.7
	8H	20.4	21.5	21.1	22.1	22.9	28.2	29.2	28.8	29.9	30.7
	12H	20.5	21.5	21.1	22.1	22.9	29.3	30.3	30.0	31.0	31.8
4H	2H	19.6	20.7	20.2	21.3	22.1	21.6	22.7	22.2	23.4	24.1
	3H	21.2	22.2	21.9	22.9	23.7	24.7	25.7	25.4	26.4	27.2
	4H	22.0	22.9	22.7	23.6	24.4	26.5	27.4	27.2	28.1	28.9
	6H	22.5	23.3	23.2	24.0	24.9	28.4	29.2	29.2	30.0	30.8
	8H	22.7	23.4	23.4	24.2	25.1	29.5	30.3	30.3	31.0	31.9
	12H	22.8	23.5	23.5	24.2	25.1	30.8	31.5	31.5	32.2	33.1
8H	4H	23.4	24.1	24.1	24.8	25.7	26.8	27.5	27.5	28.3	29.2
	6H	24.4	25.0	25.1	25.8	26.7	29.1	29.7	29.8	30.5	31.4
	8H	24.8	25.4	25.6	26.2	27.1	30.4	31.0	31.2	31.8	32.7
	12H	25.1	25.6	25.9	26.4	27.4	31.9	32.4	32.7	33.2	34.2
12H	4H	23.8	24.5	24.6	25.3	26.2	26.8	27.5	27.5	28.2	29.1
	6H	25.1	25.7	25.9	26.5	27.4	29.2	29.8	30.0	30.5	31.5
	8H	25.8	26.3	26.6	27.1	28.1	30.6	31.1	31.4	31.9	32.9
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, 1828 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.1$)
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:0.2429A P:25.42W PF:0.8721 Freq:60.00Hz Lamp Flux:1828.33x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

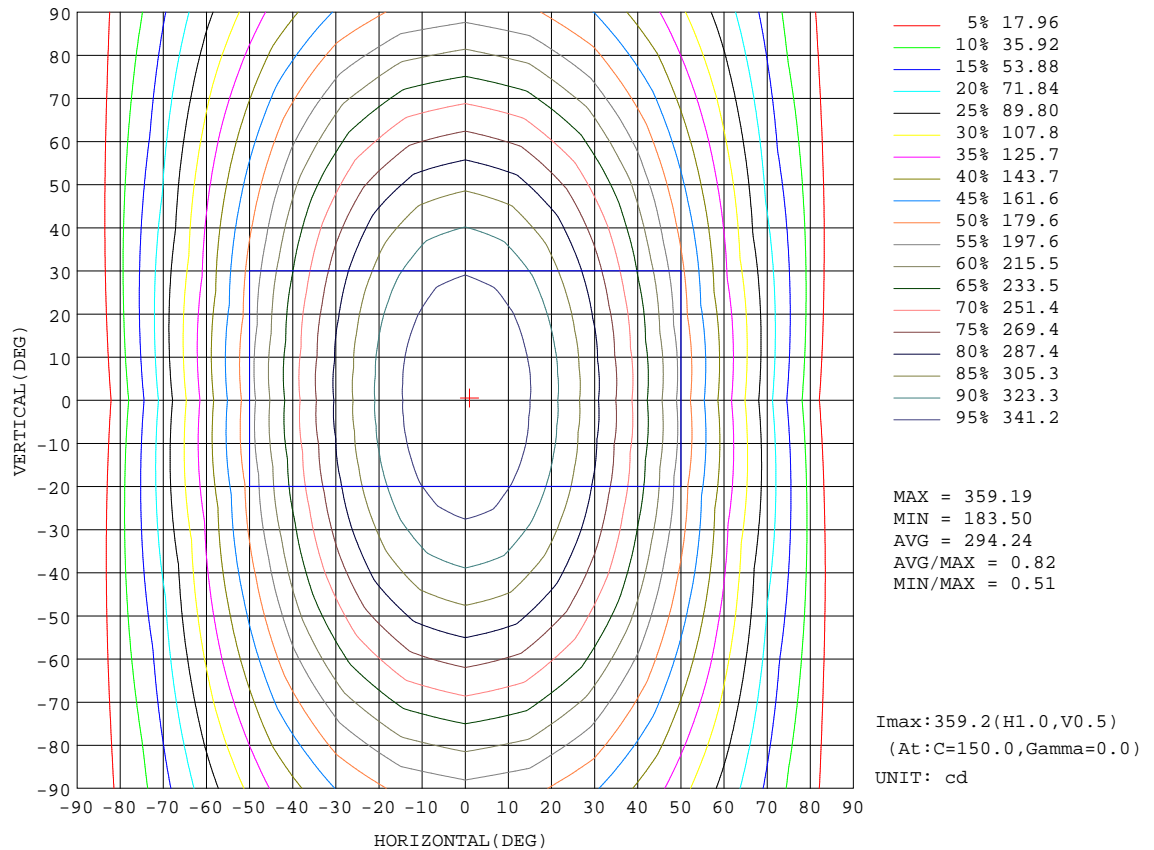
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	26	45	33	26	42	32	25	19
0.80	55	42	34	53	41	33	50	39	32	24
1.00	63	50	41	60	48	40	56	48	39	30
1.25	69	57	48	67	55	47	62	52	45	35
1.50	75	62	54	71	60	52	66	57	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	48
3.00	90	81	73	86	78	71	78	72	66	51
4.00	95	87	80	90	83	77	82	76	72	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:0.2429A P:25.42W PF:0.8721 Freq:60.00Hz Lamp Flux:1828.33x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:



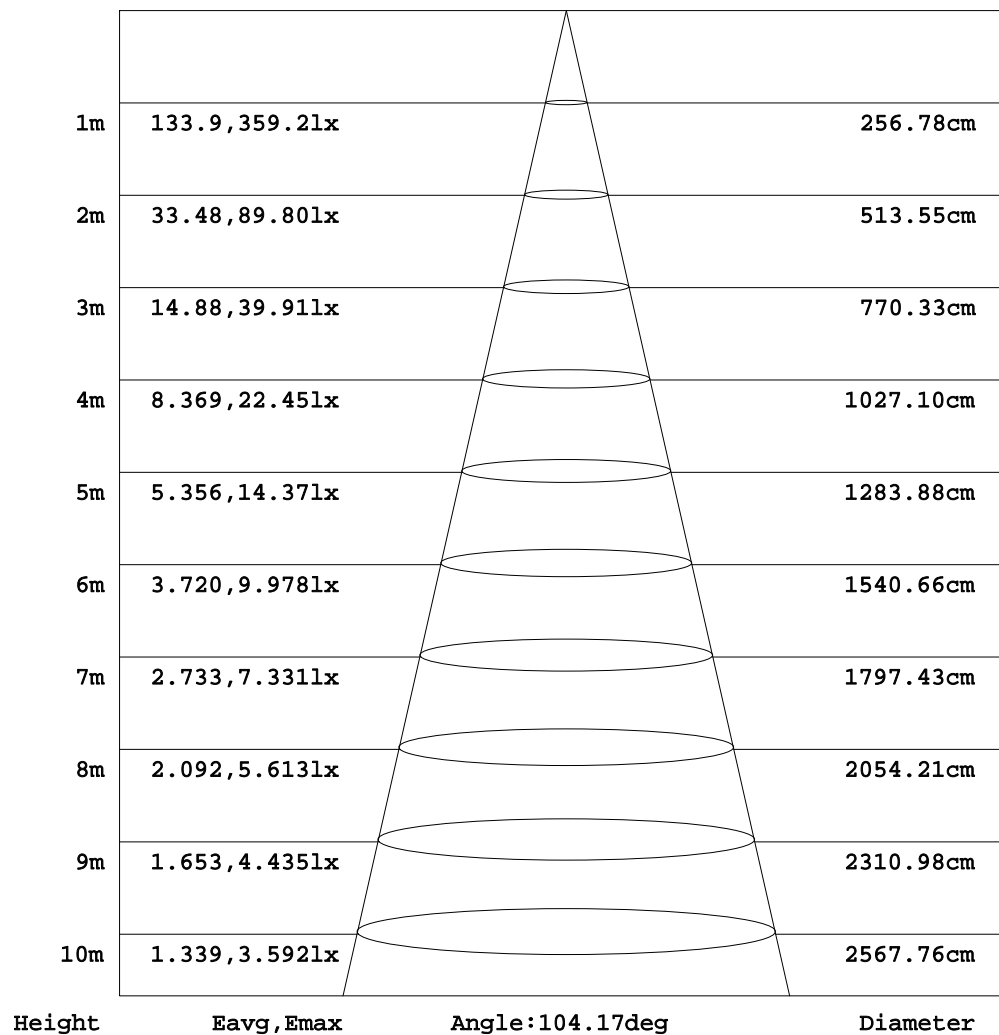
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.7DEG
 Operators: Alan Wang
 Test Date: 26 December 2024

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:0.2429A P:25.42W PF:0.8721 Freq:60.00Hz Lamp Flux:1828.33x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

Flux out:740.8 lm



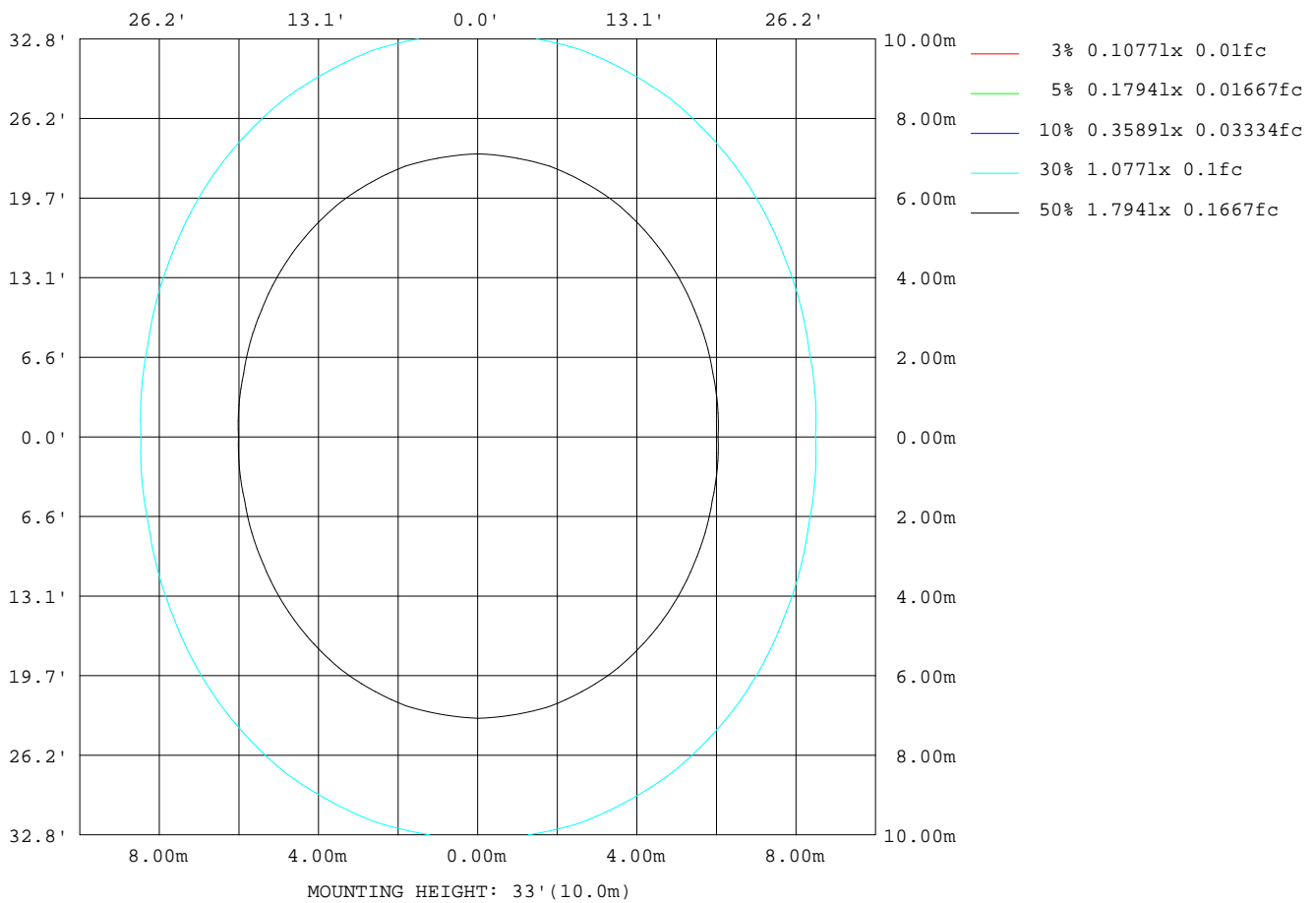
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2429A P:25.42W PF:0.8721 Freq:60.00Hz Lamp Flux:1828.33x1 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:0.2429A P:25.42W PF:0.8721 Freq:60.00Hz Lamp Flux:1828.33x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

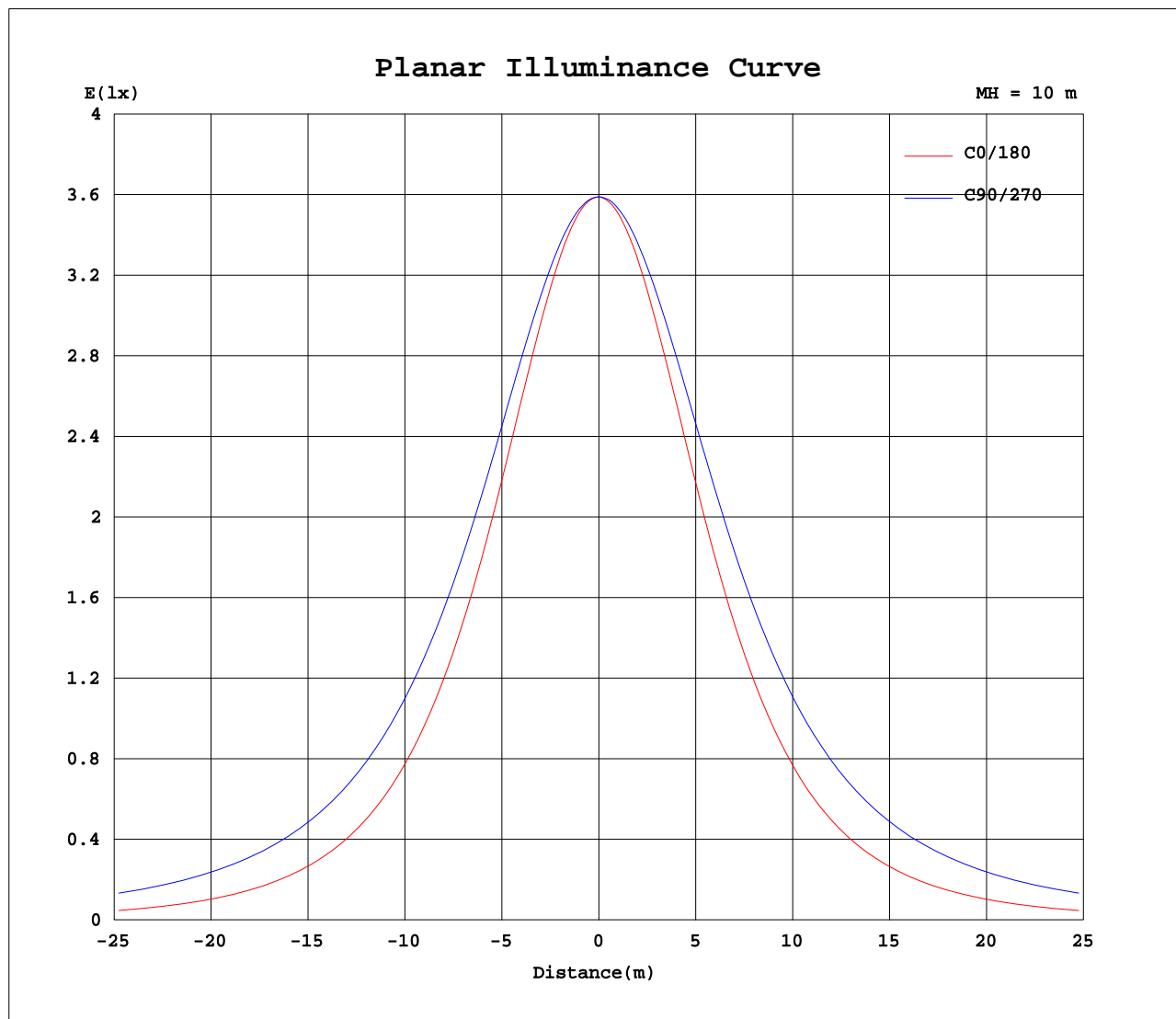
AvgL	cd/m2
L_0~180(65)av	7112
L_0~180(75)av	5601
L_0~180(85)av	2482
L_90~270(65)av	17494
L_90~270(75)av	25504
L_90~270(85)av	66565
L_45(65)av	13401
L_45(75)av	18382
L_45(85)av	45478

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:0.2429A P:25.42W PF:0.8721 Freq:60.00Hz Lamp Flux:1828.33x1 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	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359	359
5	357	357	358	358	358	358	358	358	358	357	357	357	357	357	357	358	358	359	359
10	351	351	353	354	355	356	357	356	355	353	352	351	350	351	352	354	355	357	357
15	341	342	344	348	351	353	354	353	350	347	343	341	340	341	344	348	351	354	355
20	328	329	333	339	344	349	350	348	344	338	332	328	326	328	333	339	345	350	351
25	311	313	320	328	336	343	344	342	336	327	318	311	309	312	319	328	337	344	346
30	291	294	304	316	327	335	338	334	326	314	301	292	289	293	303	316	328	337	340
35	269	273	286	301	316	327	330	326	315	299	283	271	267	273	286	302	317	328	332
40	245	251	266	286	304	317	321	316	303	284	264	248	243	250	266	287	306	319	324
45	219	226	246	270	291	306	311	305	290	267	243	224	217	226	246	271	293	308	313
50	192	201	225	253	278	294	300	293	276	250	222	199	190	200	225	254	279	296	302
55	164	176	204	236	263	282	288	280	261	233	200	173	162	175	204	237	265	283	289
60	135	150	183	219	249	268	275	267	247	216	179	147	134	150	183	219	250	269	276
65	107	125	162	202	234	255	261	254	232	199	159	122	106	125	163	202	235	255	262
70	78.5	101	143	185	219	241	247	240	217	182	140	97.5	78.0	101	144	186	220	241	248
75	51.5	78.4	126	170	205	227	234	225	202	167	122	75.3	51.1	79.6	126	170	204	227	234
80	27.0	59.2	110	155	191	213	220	211	189	152	106	56.2	26.8	60.6	110	155	190	212	220
85	7.75	44.2	96.0	142	177	199	206	198	175	139	92.8	41.3	7.56	45.7	96.7	142	176	198	205
90	0.16	33.9	84.3	129	164	186	192	185	162	127	81.4	31.3	0.20	35.4	85.2	129	163	184	191
95	0.78	28.0	75.0	118	152	172	179	171	150	116	72.4	25.8	0.90	29.3	75.8	118	151	171	178
100	2.22	24.2	67.4	108	140	160	166	159	138	106	65.0	22.3	2.33	25.3	68.1	108	139	158	165
105	4.29	21.2	61.0	99.0	129	147	153	146	127	97.0	58.9	19.8	4.37	22.3	61.6	98.8	128	146	152
110	7.04	19.4	55.4	90.3	118	136	141	135	117	88.6	53.7	18.5	6.99	20.4	55.9	90.2	117	134	140
115	10.5	20.3	50.6	82.3	108	124	129	124	107	80.9	49.2	19.8	10.0	20.6	51.1	82.2	107	123	128
120	13.7	22.2	46.5	74.9	98.1	113	118	112	97.3	73.8	45.5	21.9	12.5	22.2	46.6	74.9	97.4	112	116
125	16.5	24.4	42.9	68.0	88.6	102	107	102	88.1	67.3	42.3	24.3	15.6	24.3	41.0	68.0	88.2	101	105
130	19.1	26.7	41.3	61.7	79.8	91.6	95.7	91.4	79.5	61.3	41.0	26.3	18.7	26.7	40.3	61.4	79.5	91.0	94.7
135	21.7	28.7	40.5	56.0	71.5	81.8	85.4	81.7	71.4	55.8	40.3	28.3	21.6	29.2	40.4	54.2	71.0	81.2	84.6
140	23.9	30.7	40.1	52.0	63.8	72.6	75.7	72.5	63.9	51.9	40.0	30.1	24.4	31.1	40.3	48.6	63.2	72.1	75.0
145	25.5	32.6	40.0	49.0	57.8	64.2	66.7	64.2	57.9	49.0	40.0	31.4	26.9	32.4	40.1	47.6	55.4	63.5	66.1
150	27.1	34.4	40.0	46.7	53.2	58.0	59.8	58.0	53.3	46.8	39.3	33.5	28.7	33.6	40.0	44.9	50.7	56.8	59.1
155	28.9	36.1	40.2	45.0	49.6	53.0	54.3	53.0	49.7	45.1	39.6	35.3	30.6	32.8	39.8	42.7	47.5	48.9	53.5
160	31.2	37.1	40.6	43.6	46.7	48.9	49.8	48.9	46.9	44.0	39.2	36.5	32.5	32.7	39.3	41.6	44.1	47.1	46.4
165	29.5	33.8	41.0	42.7	44.4	45.8	46.3	45.8	44.7	41.2	38.6	33.0	30.2	28.1	35.3	41.3	41.7	43.6	45.0
170	25.0	25.8	34.6	41.5	42.8	43.4	43.6	43.4	42.0	32.2	28.6	25.1	25.3	25.0	25.8	29.4	35.8	40.7	41.9
175	21.9	21.9	22.3	24.4	34.5	39.2	38.5	31.5	22.6	21.9	22.1	22.1	22.2	22.3	22.2	22.0	21.8	22.8	31.4
180	34.5	33.5	30.4	23.1	19.7	8.18	2.15	8.16	17.0	25.5	30.4	33.5	32.0	32.0	31.1	28.5	23.8	17.6	12.7

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:0.2429A P:25.42W PF:0.8721 Freq:60.00Hz Lamp Flux:1828.33x1 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	359	359	359	359	359														
5	359	358	358	358	358														
10	357	356	354	353	352														
15	354	352	348	345	343														
20	349	346	340	334	330														
25	344	338	329	321	314														
30	337	328	316	304	295														
35	328	318	302	286	274														
40	319	306	286	267	251														
45	308	292	270	246	227														
50	296	278	253	224	201														
55	282	263	235	202	175														
60	269	248	218	181	149														
65	254	233	200	160	123														
70	240	218	183	141	98.8														
75	226	202	167	123	76.1														
80	211	188	152	106	56.4														
85	197	174	139	92.3	41.0														
90	183	161	126	80.7	30.6														
95	170	149	115	71.5	25.0														
100	157	137	105	63.9	21.4														
105	145	126	95.7	57.8	18.8														
110	133	115	87.4	52.5	17.6														
115	122	105	79.7	48.0	19.0														
120	111	95.8	72.7	44.3	21.2														
125	100	86.8	66.2	41.1	23.6														
130	90.2	78.3	60.1	39.8	25.8														
135	80.7	70.2	54.7	39.3	27.4														
140	71.7	62.9	51.0	39.2	29.1														
145	63.6	57.2	48.4	39.5	31.1														
150	57.7	53.2	46.7	39.8	33.3														
155	52.9	50.1	45.7	40.6	35.5														
160	48.8	47.1	44.6	41.3	37.4														
165	43.3	44.7	43.2	41.6	37.7														
170	42.6	41.5	42.2	39.1	30.1														
175	38.1	37.6	32.2	23.4	21.4														
180	0.62	12.4	18.4	24.2	29.0														

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: