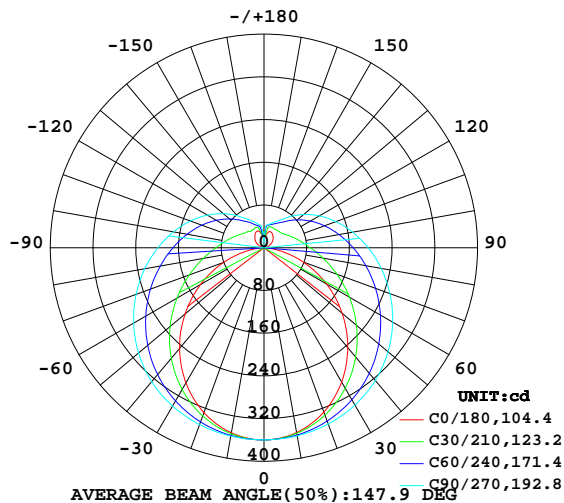


LUMINAIRE PHOTOMETRIC TEST REPORT

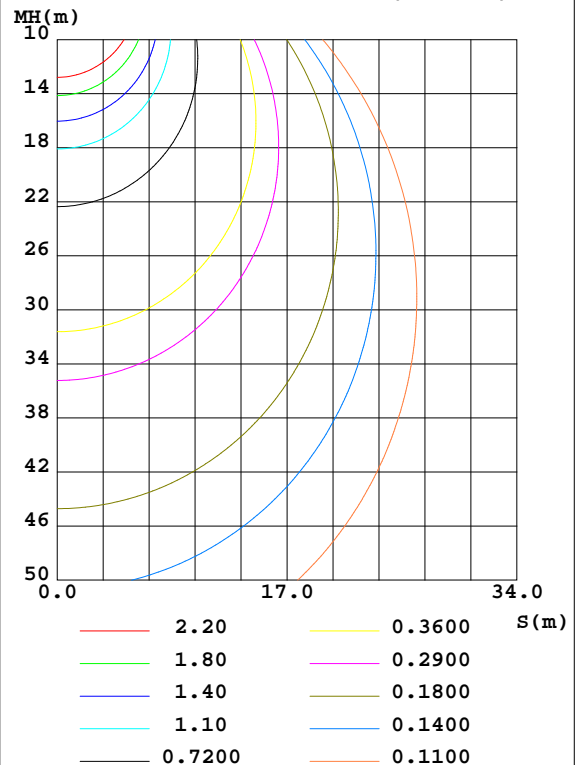
Test:U:120.0V I:0.2486A P:26.09W PF:0.8746 Freq:60.00Hz Lamp Flux:1862.98x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 71.41 lm/W			
MODEL	C06018302A	I _{max} (cd)	359.9	S/MH(C0/180)	1.21
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.44
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1863.0	η UP,DN(C0-180)	12.3,37.3
NOMINAL FLUX(lm)	1862.98	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	12.6,37.7
LAMPS INSIDE	1	η up(%)	24.9	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	75.1	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	351.5	354.4	357.6	354.6	351.9	355.5	358.1	354.9	0- 10	34.11	34.11	1.83,1.83
20	327.6	339.5	351.3	339.6	328.7	341.5	352.6	340.2	10- 20	98.48	132.6	7.12,7.12
30	290.7	316.6	340.3	316.4	292.3	319.3	342.4	317.1	20- 30	152.0	284.6	15.3,15.3
40	244.0	287.7	324.4	286.9	246.1	290.8	327.4	287.8	30- 40	189.6	474.2	25.5,25.5
50	191.2	255.2	303.2	253.6	192.8	258.8	306.6	254.8	40- 50	208.6	682.7	36.6,36.6
60	134.8	221.2	278.2	218.8	136.9	225.0	281.8	220.2	50- 60	209.2	891.9	47.9,47.9
70	77.87	188.2	250.9	185.2	80.42	191.6	254.8	186.1	60- 70	194.6	1087	58.3,58.3
80	26.40	158.2	222.8	154.7	28.81	161.6	226.8	155.9	70- 80	169.9	1256	67.4,67.4
90	0.5826	132.5	195.2	128.7	0.8705	135.8	198.7	130.2	80- 90	142.1	1398	75.1,75.1
100	3.406	111.1	168.7	107.5	3.253	114.4	172.2	109.3	90-100	118.4	1517	81.4,81.4
110	8.463	92.91	143.4	89.72	8.158	95.99	146.8	91.51	100-110	97.22	1614	86.6,86.6
120	15.38	77.23	119.7	74.55	15.08	79.86	122.4	76.10	110-120	77.66	1692	90.8,90.8
130	21.65	63.62	97.08	61.57	21.40	65.93	99.47	62.89	120-130	59.96	1752	94,94
140	26.85	53.10	76.37	51.94	26.72	54.90	78.60	53.49	130-140	44.37	1796	96.4,96.4
150	30.85	47.36	59.96	46.86	32.04	46.54	62.04	48.75	140-150	31.36	1827	98.1,98.1
160	32.63	44.17	49.96	44.19	33.68	42.03	51.09	46.39	150-160	21.01	1848	99.2,99.2
170	25.24	42.03	43.96	33.05	25.59	30.77	43.04	43.47	160-170	11.63	1860	99.8,99.8
180	34.68	23.16	2.940	25.79	32.25	28.73	13.07	19.11	170-180	2.918	1863	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 577.24 lm

%lum = 31.0%

%lamp = 31.0%

Conical surface Flux(120deg): 891.92 lm

%lum = 47.9%

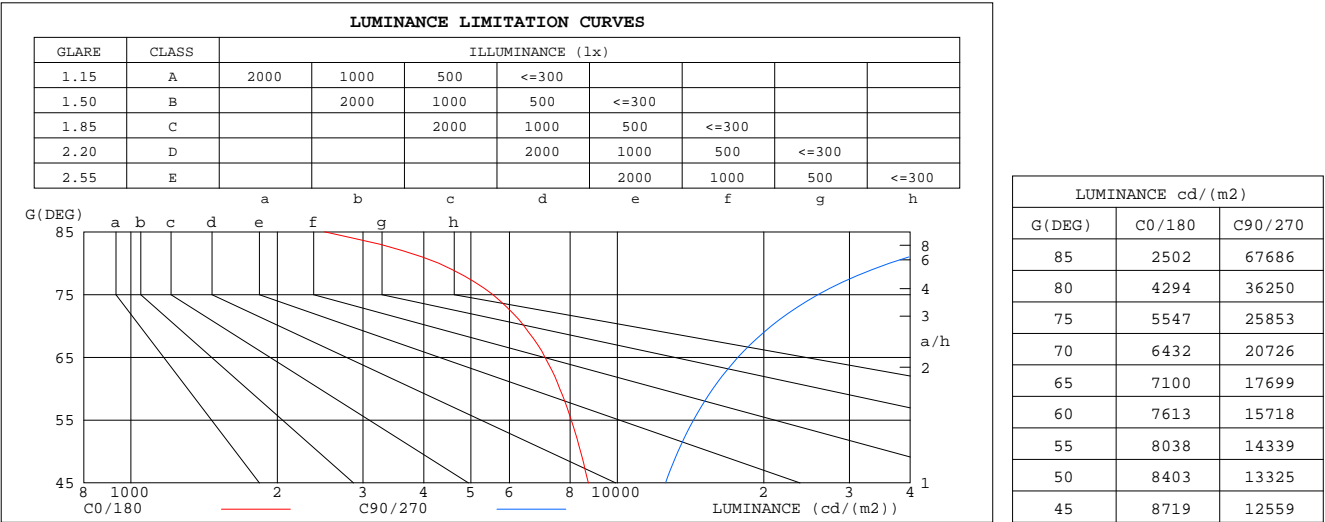
%lamp = 47.9%

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:0.2486A P:26.09W PF:0.8746 Freq:60.00Hz Lamp Flux:1862.98x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:



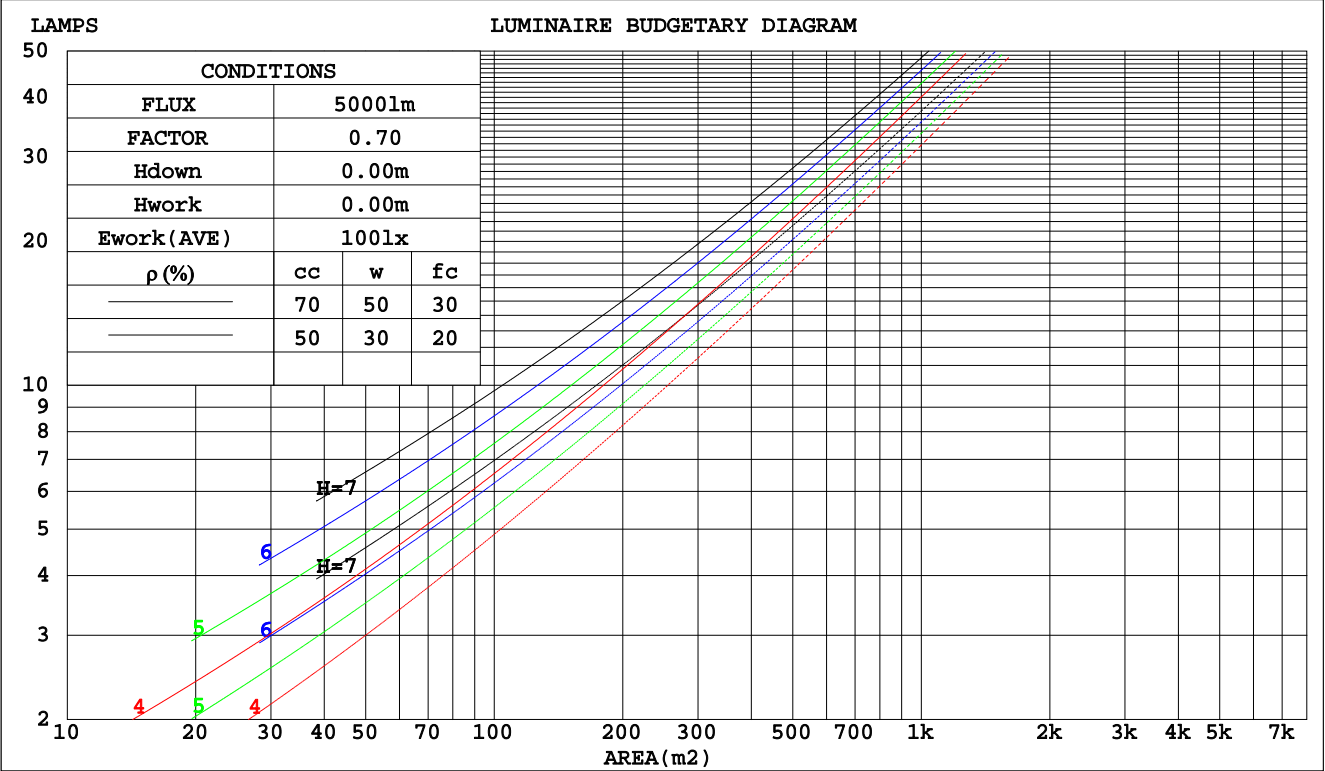
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.7DEG
Operators:Alan Wang
Test Date:26 December 2024

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:0.2486A P:26.09W PF:0.8746 Freq:60.00Hz Lamp Flux:1862.98x1 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:24.7DEG
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:0.2486A P:26.09W PF:0.8746 Freq:60.00Hz Lamp Flux:1862.98x1 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	.385	.219	.069	.370	.211	.067	.342	.196	.063	.317	.183	.059	.293	.170	.055		
2.0	.331	.182	.056	.318	.175	.054	.293	.163	.051	.269	.151	.047	.248	.140	.044		
3.0	.294	.156	.047	.281	.151	.045	.259	.140	.043	.237	.130	.040	.218	.121	.037		
4.0	.264	.137	.040	.253	.132	.039	.232	.123	.037	.213	.114	.034	.195	.106	.032		
5.0	.240	.122	.035	.230	.118	.034	.211	.110	.032	.193	.102	.030	.177	.094	.028		
6.0	.220	.110	.032	.210	.106	.031	.193	.099	.029	.177	.092	.027	.162	.085	.025		
7.0	.203	.100	.028	.194	.097	.028	.178	.090	.026	.163	.084	.024	.149	.078	.023		
8.0	.188	.092	.026	.180	.089	.025	.165	.083	.024	.152	.077	.022	.139	.071	.021		
9.0	.175	.085	.024	.168	.082	.023	.154	.076	.022	.142	.071	.020	.129	.066	.019		
10.0	.164	.079	.022	.157	.076	.021	.145	.071	.020	.133	.066	.019	.121	.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	.380	.380	.380	.325	.325	.325	.222	.222	.222	.127	.127	.127	.041	.041	.041	
1.0	.377	.347	.320	.323	.298	.275	.221	.205	.190	.127	.119	.111	.041	.038	.036	
2.0	.370	.325	.286	.317	.279	.247	.217	.193	.172	.125	.112	.101	.040	.036	.033	
3.0	.363	.308	.265	.311	.266	.230	.214	.185	.161	.123	.108	.095	.040	.035	.031	
4.0	.355	.296	.251	.305	.256	.218	.210	.178	.153	.121	.104	.091	.039	.034	.030	
5.0	.348	.286	.241	.299	.248	.210	.206	.173	.148	.119	.102	.088	.038	.033	.029	
6.0	.340	.279	.234	.292	.241	.204	.202	.169	.144	.117	.099	.086	.038	.032	.028	
7.0	.333	.272	.229	.287	.236	.200	.198	.165	.141	.115	.097	.084	.037	.032	.028	
8.0	.327	.267	.225	.281	.231	.196	.195	.162	.139	.113	.096	.083	.037	.031	.027	
9.0	.320	.262	.222	.276	.227	.194	.191	.160	.138	.111	.094	.082	.036	.031	.027	
10.0	.315	.258	.220	.271	.224	.192	.188	.157	.136	.110	.093	.081	.036	.031	.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:0.2486A P:26.09W PF:0.8746 Freq:60.00Hz Lamp Flux:1862.98x1 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	18.1	19.4	18.7	20.0	20.7	21.1	22.4	21.7	23.0	23.7
	3H	19.5	20.7	20.1	21.3	22.0	23.9	25.1	24.6	25.7	26.5
	4H	20.0	21.1	20.6	21.8	22.5	25.5	26.6	26.1	27.3	28.0
	6H	20.3	21.4	21.0	22.1	22.8	27.2	28.3	27.9	29.0	29.7
	8H	20.4	21.4	21.1	22.1	22.9	28.2	29.2	28.9	29.9	30.7
	12H	20.4	21.4	21.1	22.1	22.9	29.3	30.3	30.0	31.0	31.8
4H	2H	19.5	20.7	20.2	21.3	22.1	21.6	22.7	22.3	23.4	24.2
	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	24.1	24.9	28.5	29.3	29.2	30.0	30.9
	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	23.6	24.3	25.2	30.8	31.5	31.6	32.3	33.2
8H	4H	23.4	24.1	24.1	24.9	25.8	26.8	27.6	27.5	28.3	29.2
	6H	24.4	25.0	25.2	25.8	26.7	29.1	29.7	29.9	30.5	31.4
	8H	24.8	25.4	25.6	26.2	27.2	30.4	31.0	31.2	31.8	32.7
	12H	25.2	25.7	26.0	26.5	27.4	31.9	32.4	32.7	33.3	34.2
12H	4H	23.8	24.5	24.6	25.3	26.2	26.8	27.5	27.6	28.3	29.2
	6H	25.2	25.7	26.0	26.5	27.5	29.2	29.8	30.0	30.6	31.5
	8H	25.8	26.3	26.6	27.1	28.1	30.6	31.1	31.4	32.0	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, 1863 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.2$)
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:0.2486A P:26.09W PF:0.8746 Freq:60.00Hz Lamp Flux:1862.98x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

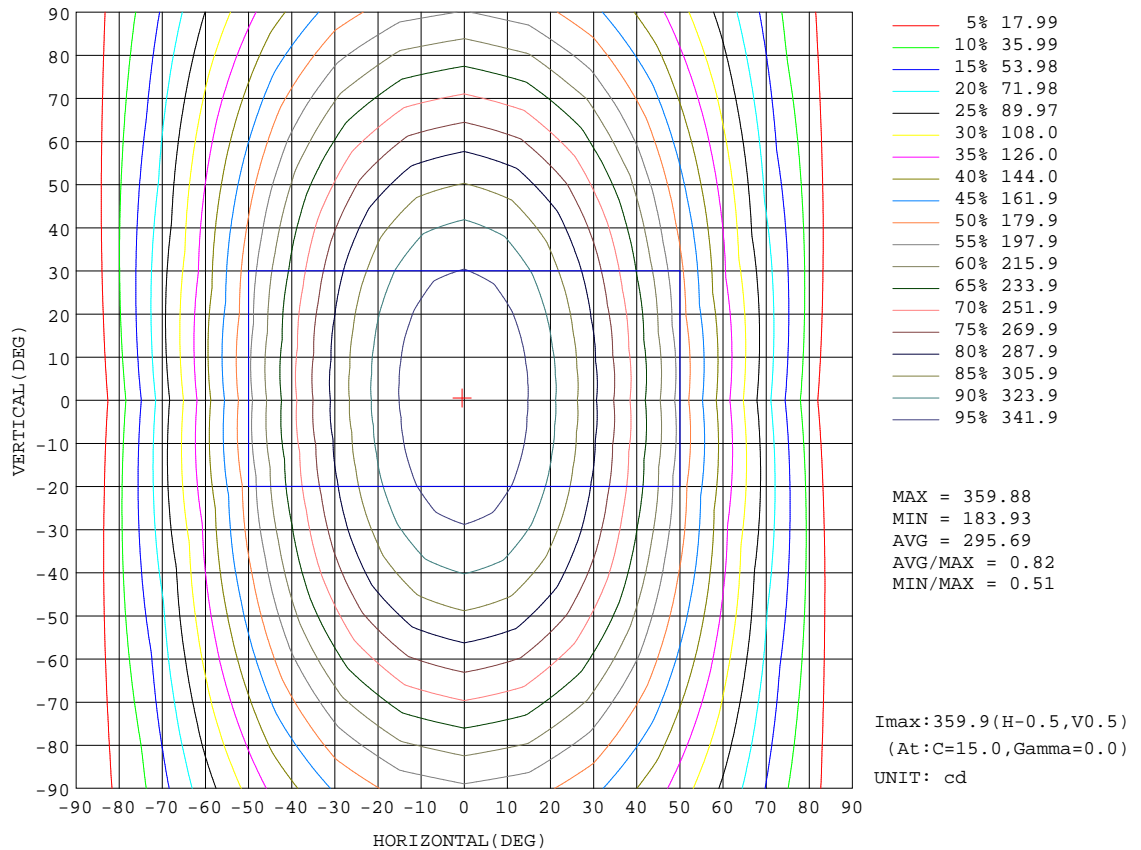
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	33	26	44	33	26	42	32	25	18
0.80	55	42	34	53	41	33	50	39	32	24
1.00	62	49	41	60	48	40	56	48	39	29
1.25	69	56	48	67	55	47	62	52	45	34
1.50	74	62	53	71	60	52	66	56	49	38
2.00	82	70	62	78	68	60	71	63	57	44
2.50	86	76	68	82	73	66	75	67	61	47
3.00	90	80	73	86	77	70	78	71	66	50
4.00	95	87	80	90	83	77	82	76	71	55
5.00	98	91	85	93	87	81	84	79	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:0.2486A P:26.09W PF:0.8746 Freq:60.00Hz Lamp Flux:1862.98x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:



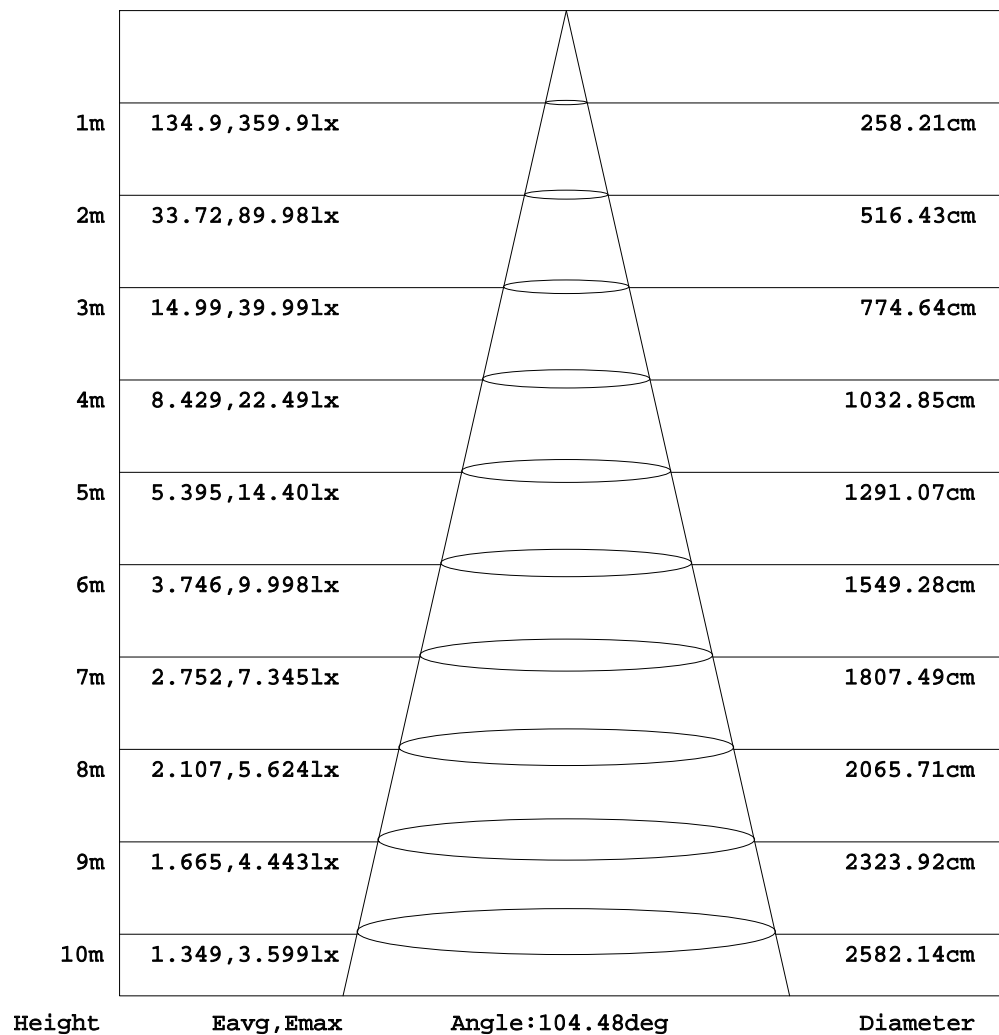
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.7DEG
 Operators: Alan Wang
 Test Date: 26 December 2024

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:0.2486A P:26.09W PF:0.8746 Freq:60.00Hz Lamp Flux:1862.98x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

Flux out:746.2 lm



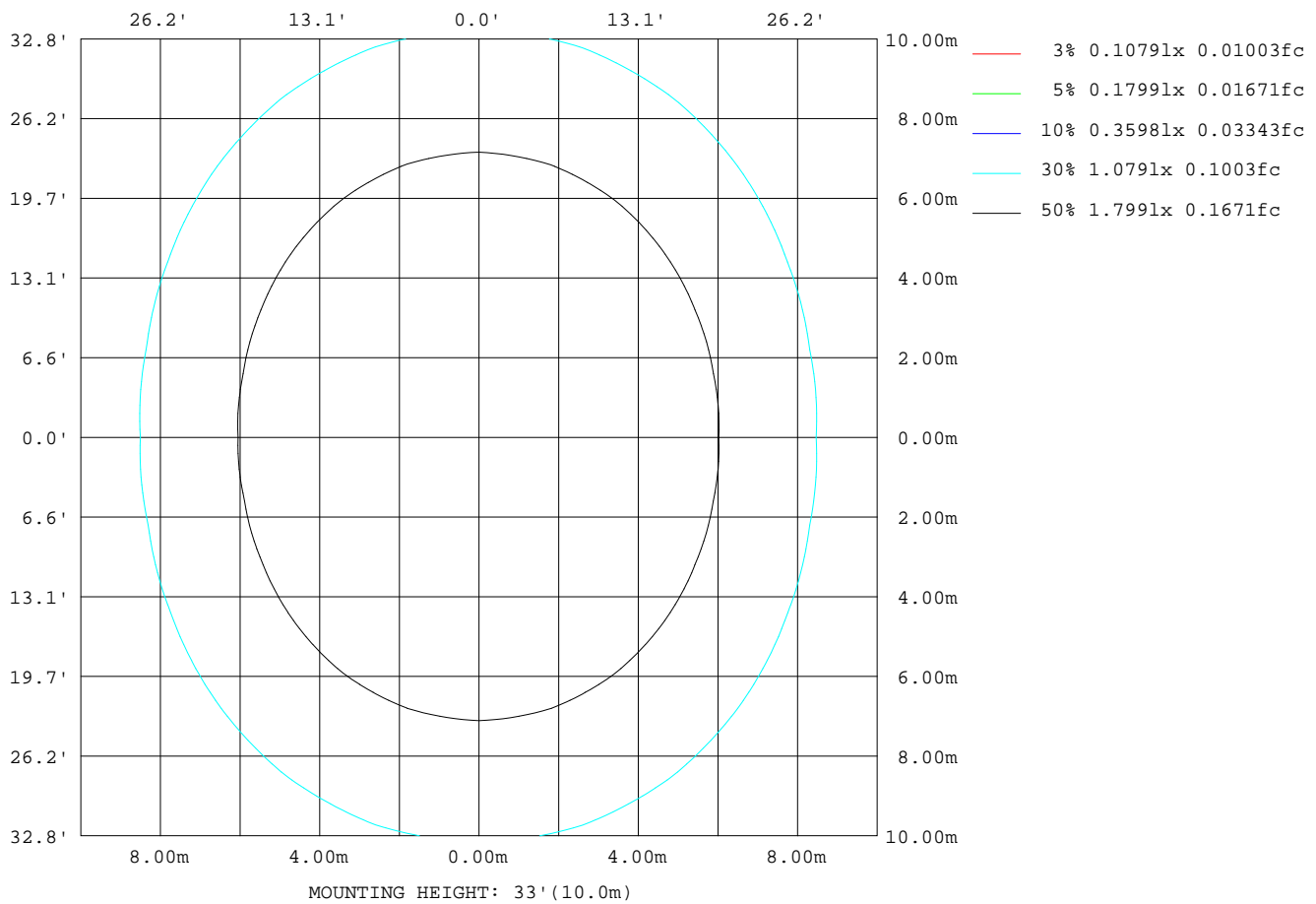
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.7DEG
 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:0.2486A P:26.09W PF:0.8746 Freq:60.00Hz Lamp Flux:1862.98x1 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:0.2486A P:26.09W PF:0.8746 Freq:60.00Hz Lamp Flux:1862.98x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

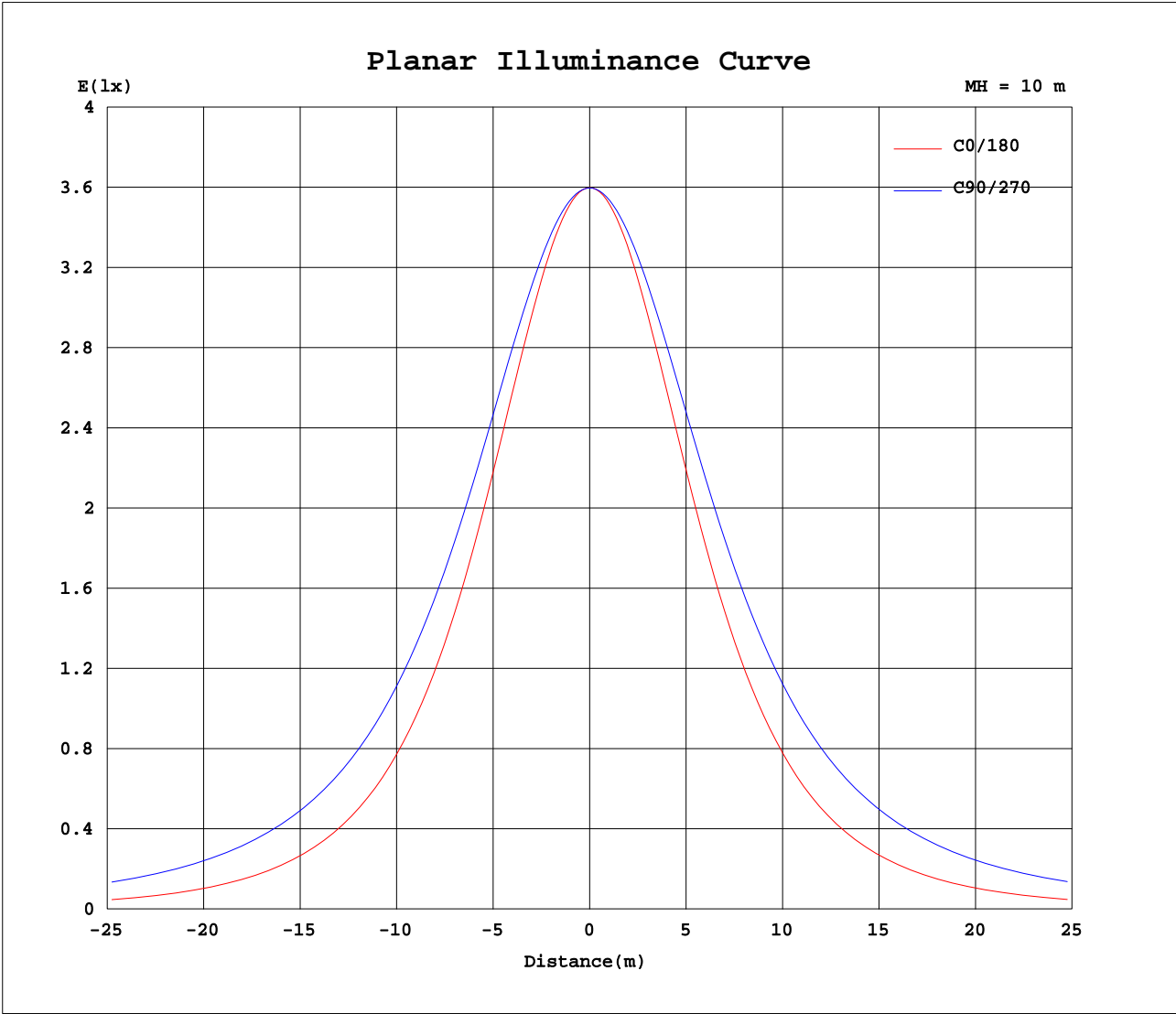
AvgL	cd/m2
L_0~180(65)av	7176
L_0~180(75)av	5685
L_0~180(85)av	2751
L_90~270(65)av	17822
L_90~270(75)av	26063
L_90~270(85)av	68276
L_45(65)av	13643
L_45(75)av	18795
L_45(85)av	46705

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:0.2486A P:26.09W PF:0.8746 Freq:60.00Hz Lamp Flux:1862.98x1 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	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360
5	358	358	358	358	359	359	359	359	359	359	358	358	358	358	358	359	359	359	359
10	351	352	353	354	356	357	358	357	356	355	353	352	352	353	354	355	357	358	358
15	341	342	345	348	352	354	355	354	352	348	345	342	342	343	346	350	353	355	356
20	328	329	334	339	346	350	351	350	346	340	334	329	329	331	335	341	347	351	353
25	311	313	320	329	338	344	346	344	338	329	320	313	312	315	322	331	340	346	348
30	291	294	304	317	329	337	340	337	329	316	304	295	292	296	306	319	331	340	342
35	268	273	286	303	318	329	333	329	318	302	286	274	270	276	289	306	321	332	335
40	244	251	267	288	307	320	324	320	306	287	266	251	246	253	270	291	310	323	327
45	218	226	247	272	294	309	314	309	293	271	246	226	220	229	250	275	298	313	318
50	191	201	226	255	281	298	303	297	279	254	225	201	193	204	229	259	284	301	307
55	163	176	205	238	266	285	291	284	265	236	203	175	165	179	208	242	270	289	295
60	135	151	185	221	252	272	278	271	250	219	182	149	137	154	188	225	256	275	282
65	106	126	165	204	237	258	265	257	235	202	162	124	108	129	168	208	241	262	268
70	77.9	102	146	188	222	244	251	243	220	185	142	99.5	80.4	106	149	192	226	248	255
75	50.8	80.1	128	173	208	230	237	228	205	169	124	77.0	53.3	83.8	131	176	212	234	241
80	26.4	61.2	112	158	194	216	223	214	191	155	108	57.4	28.8	64.8	116	162	197	220	227
85	7.72	46.3	98.6	145	180	202	209	200	178	141	94.2	41.9	9.25	49.6	102	148	184	205	212
90	0.58	36.2	87.0	132	167	188	195	187	164	129	82.4	31.7	0.87	39.0	90.3	136	171	192	199
95	1.75	30.3	77.7	121	155	175	182	174	152	118	73.2	26.1	1.69	32.7	80.9	125	158	179	185
100	3.41	26.5	70.0	111	143	163	169	161	140	107	65.7	22.7	3.25	28.5	73.0	114	146	166	172
105	5.66	23.6	63.6	102	132	150	156	149	129	98.3	59.6	20.2	5.42	25.4	66.3	105	135	154	159
110	8.46	21.7	57.9	92.9	121	138	143	137	118	89.7	54.2	18.8	8.16	23.3	60.4	96.0	124	141	147
115	11.8	22.4	52.9	84.8	110	126	131	125	108	81.8	49.6	20.2	11.5	23.6	55.3	87.6	113	129	135
120	15.4	24.1	48.7	77.2	100	115	120	114	98.4	74.6	45.8	22.4	15.1	25.1	50.9	79.9	103	118	122
125	18.7	26.1	45.0	70.2	90.6	104	108	103	88.9	67.8	42.5	24.8	18.2	26.6	47.0	72.7	93.4	107	111
130	21.6	28.1	42.9	63.6	81.5	93.2	97.1	92.3	80.0	61.6	41.1	27.0	21.4	28.7	44.6	65.9	84.1	95.8	99.5
135	24.3	29.9	41.8	57.6	73.0	83.1	86.4	82.3	71.7	55.9	40.4	29.6	24.2	30.6	43.1	59.7	75.4	85.5	88.8
140	26.8	32.2	41.2	53.1	65.0	73.5	76.4	72.9	63.9	51.9	40.2	31.7	26.7	32.3	40.2	54.9	67.2	75.8	78.6
145	28.9	34.2	40.9	49.8	58.5	64.7	67.0	64.3	57.8	49.0	40.3	33.2	29.5	34.6	40.3	51.1	60.4	66.8	69.1
150	30.8	35.6	40.4	47.4	53.8	58.4	60.0	58.1	53.3	46.9	40.6	34.6	32.0	36.0	39.7	46.5	55.1	60.2	62.0
155	32.2	36.4	41.0	45.5	50.0	53.3	54.5	53.2	49.8	45.3	40.5	35.5	33.5	35.9	41.3	43.9	49.9	54.4	56.2
160	32.6	37.4	41.5	44.2	47.0	49.2	50.0	49.2	47.0	44.2	40.5	36.9	33.7	34.4	41.1	42.0	45.6	49.0	51.1
165	29.8	34.1	41.5	43.4	44.9	46.1	46.5	46.1	44.9	42.4	37.2	33.2	30.5	30.1	37.5	42.5	42.5	44.8	46.4
170	25.2	26.2	34.9	42.0	43.3	43.8	44.0	43.8	42.4	33.1	28.4	26.1	25.6	25.7	26.9	30.8	37.1	41.3	43.0
175	22.3	22.3	22.9	25.1	35.0	39.6	39.1	31.4	22.8	22.0	22.3	22.3	22.6	22.6	22.6	22.5	22.3	23.5	32.4
180	34.7	33.6	30.5	23.2	20.1	8.96	2.94	9.14	17.8	25.8	30.6	33.6	32.2	32.2	31.4	28.7	24.1	17.9	13.1

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:0.2486A P:26.09W PF:0.8746 Freq:60.00Hz Lamp Flux:1862.98x1 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	360	360	360	360	360														
5	359	359	359	358	358														
10	358	356	355	353	352														
15	355	352	349	345	342														
20	351	346	340	334	330														
25	345	339	330	320	313														
30	339	330	317	304	295														
35	331	319	303	286	274														
40	322	308	288	267	251														
45	311	295	272	246	226														
50	300	282	255	225	200														
55	287	267	238	203	175														
60	274	252	220	182	149														
65	260	238	203	162	123														
70	246	223	186	142	98.8														
75	232	208	170	124	76.3														
80	218	193	156	108	56.7														
85	204	180	142	94.4	41.2														
90	190	167	130	83.1	31.3														
95	177	155	119	74.1	25.9														
100	164	143	109	66.7	22.4														
105	152	132	100	60.4	20.0														
110	140	121	91.5	55.0	19.2														
115	128	110	83.5	50.5	20.8														
120	116	100	76.1	46.5	23.1														
125	105	90.9	69.3	43.4	25.6														
130	94.6	82.0	62.9	42.2	27.9														
135	84.5	73.4	57.2	41.5	29.8														
140	75.0	65.6	53.5	41.3	31.4														
145	66.4	59.9	50.7	41.5	32.9														
150	60.4	55.5	48.7	41.8	34.7														
155	55.4	52.2	47.5	42.3	36.7														
160	51.0	49.4	46.4	42.7	38.6														
165	47.3	46.5	45.0	43.0	38.9														
170	43.4	44.1	43.5	40.7	30.6														
175	39.0	38.3	33.2	24.2	22.0														
180	0.59	13.1	19.1	24.7	29.3														

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: