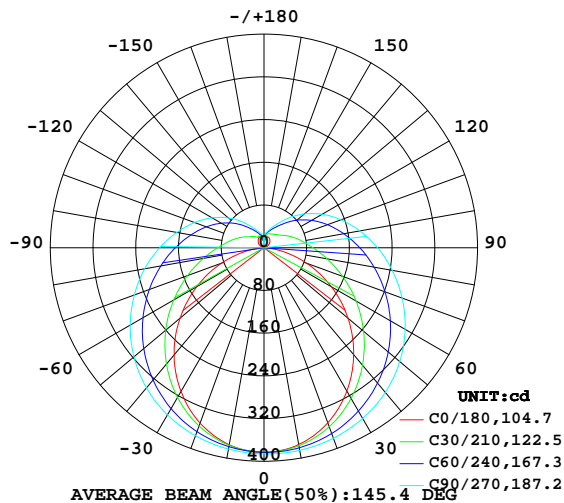


## LUMINAIRE PHOTOMETRIC TEST REPORT

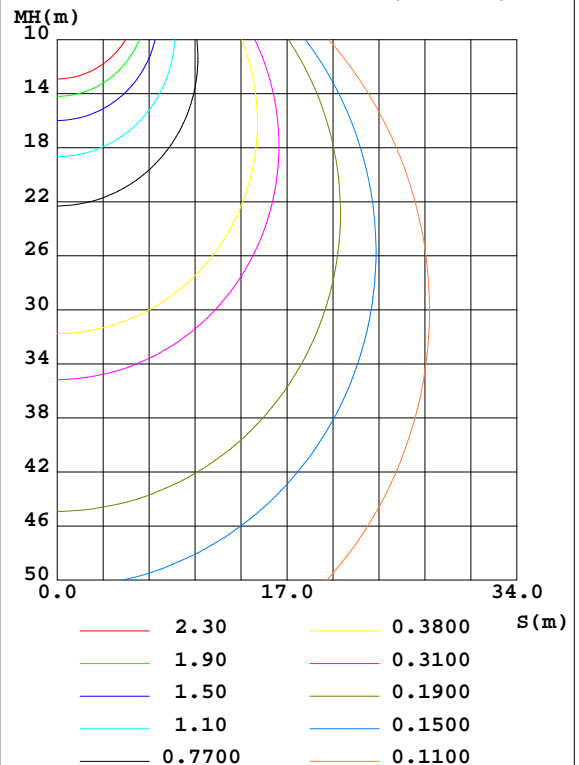
Test:U:120.0V I:0.2482A P:25.87W PF:0.8685 Freq:60.00Hz Lamp Flux:1920.06x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 74.22 lm/W			
MODEL	C06015302A	I <sub>max</sub> (cd)	386.6	S/MH(C0/180)	1.21
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.41
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1920.1	η UP,DN(C0-180)	11.9,39.3
NOMINAL FLUX(lm)	1920.06	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	10.7,38.1
LAMPS INSIDE	1	η up(%)	22.6	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	77.4	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:24.9DEG  
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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	373.9	378.5	385.2	381.8	374.7	377.3	382.8	379.8	0- 10	36.49	36.49	1.9,1.9
20	349.1	363.6	379.6	366.6	349.7	361.4	374.6	363.0	10- 20	105.3	141.8	7.39,7.39
30	310.2	339.8	369.3	342.4	310.8	336.5	361.4	337.1	20- 30	162.5	304.3	15.9,15.9
40	261.3	309.6	353.4	311.3	261.9	304.8	342.5	304.6	30- 40	202.5	506.9	26.4,26.4
50	205.4	275.6	331.8	276.2	205.1	269.0	318.0	268.3	40- 50	222.6	729.5	38,38
60	145.8	239.6	305.1	239.3	145.3	231.6	289.4	230.2	50- 60	222.9	952.4	49.6,49.6
70	85.02	203.6	275.2	203.1	84.56	194.3	258.4	192.6	60- 70	206.5	1159	60.4,60.4
80	29.51	170.5	243.9	169.7	29.48	161.0	226.8	158.8	70- 80	179.0	1338	69.7,69.7
90	0.3945	141.4	212.7	140.6	0.4153	132.1	195.3	129.6	80- 90	147.9	1486	77.4,77.4
100	1.880	117.0	182.4	116.4	1.866	107.6	166.0	105.4	90-100	121.0	1607	83.7,83.7
110	4.843	95.90	153.5	96.00	4.764	87.68	138.5	85.60	100-110	97.18	1704	88.8,88.8
120	9.435	77.44	125.7	77.38	9.144	69.48	112.3	67.67	110-120	75.03	1779	92.7,92.7
130	13.88	60.51	98.60	60.74	13.55	53.10	86.92	51.68	120-130	54.95	1834	95.5,95.5
140	17.47	46.53	73.46	46.81	17.19	40.17	63.56	39.14	130-140	37.74	1872	97.5,97.5
150	20.51	37.50	52.53	37.83	20.34	31.56	44.84	32.02	140-150	24.16	1896	98.7,98.7
160	21.83	31.46	38.69	31.77	22.50	24.98	33.16	28.85	150-160	14.68	1911	99.5,99.5
170	16.30	27.05	29.56	22.98	16.28	17.73	25.64	26.06	160-170	7.557	1918	99.9,99.9
180	20.74	14.89	0	18.06	19.41	17.43	6.908	11.34	170-180	1.814	1920	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 616.95 lm

%lum = 32.1%

%lamp = 32.1%

Conical surface Flux(120deg): 952.43 lm

%lum = 49.6%

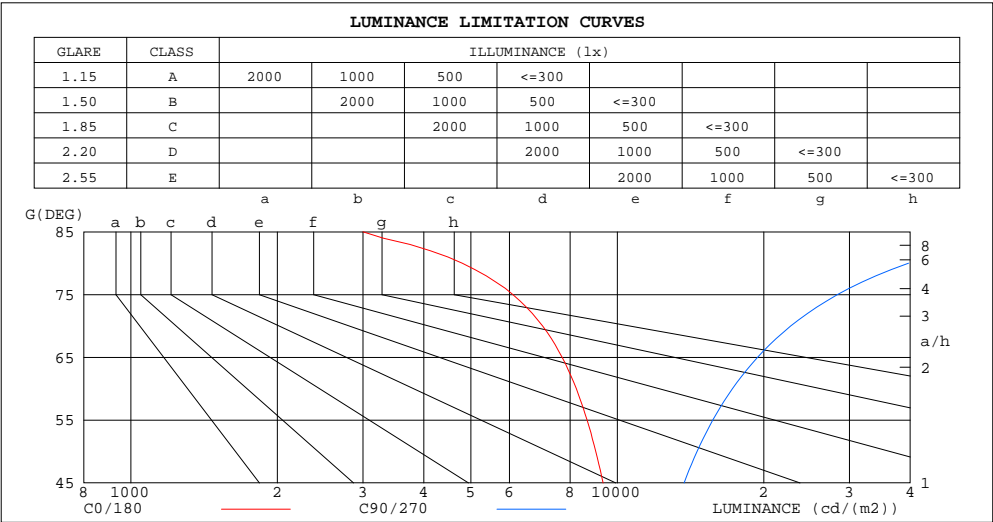
%lamp = 49.6%

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.2482A P:25.87W PF:0.8685 Freq:60.00Hz Lamp Flux:1920.06x1 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	3000	73978
80	4800	39680
75	6099	28342
70	7022	22729
65	7700	19415
60	8235	17238
55	8665	15714
50	9028	14582
45	9347	13716

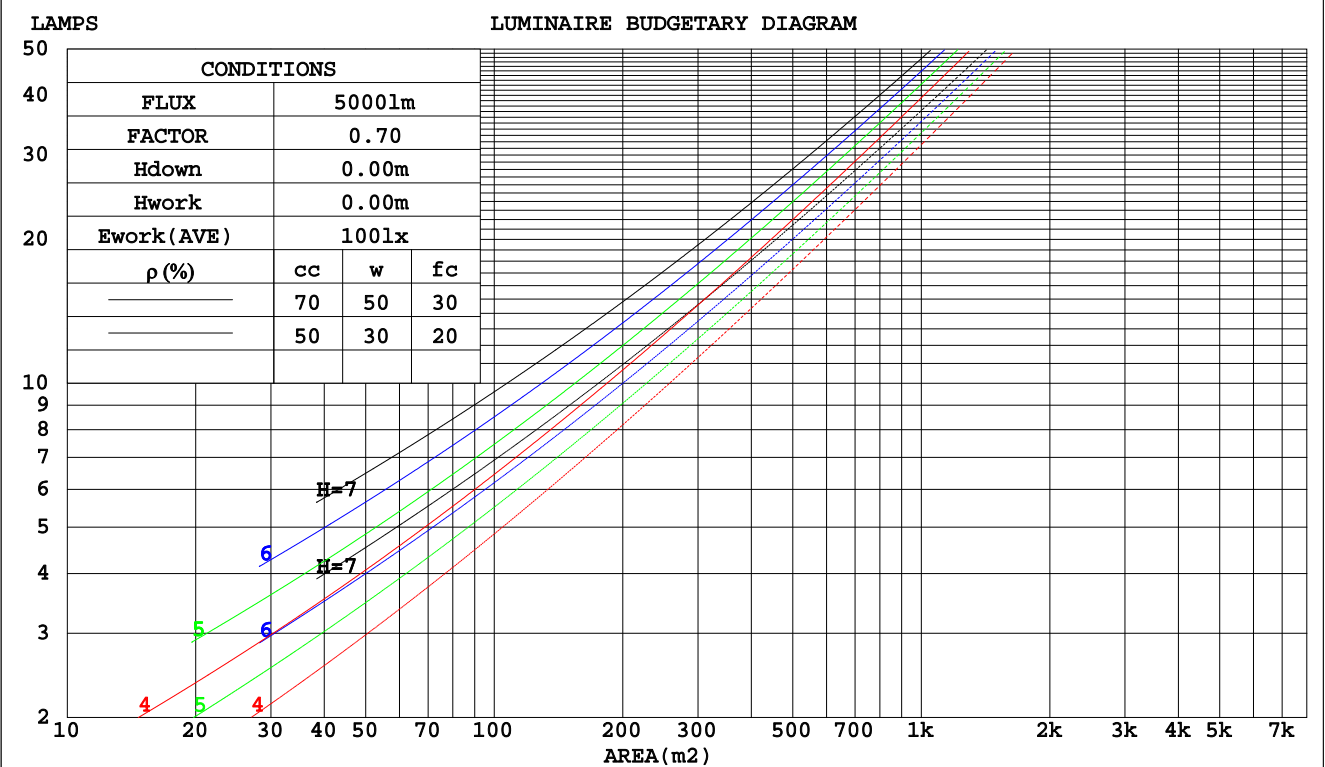
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:24.9DEG  
Operators:Alan Wang  
Test Date:27 December 2024

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:0.2482A P:25.87W PF:0.8685 Freq:60.00Hz Lamp Flux:1920.06x1 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:0.2482A P:25.87W PF:0.8685 Freq:60.00Hz Lamp Flux:1920.06x1 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	.373	.212	.068	.346	.199	.063	.322	.186	.060	.299	.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	.132	.041	.223	.124	.038		
4.0	.265	.138	.041	.255	.133	.039	.235	.125	.037	.217	.116	.035	.200	.109	.033		
5.0	.241	.123	.036	.231	.119	.035	.213	.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	.180	.091	.026	.166	.085	.025	.153	.080	.023		
8.0	.189	.092	.026	.181	.089	.025	.168	.084	.024	.154	.078	.023	.142	.073	.021		
9.0	.176	.085	.024	.169	.082	.023	.156	.077	.022	.144	.072	.021	.133	.067	.019		
10.0	.164	.079	.022	.158	.076	.021	.146	.072	.020	.135	.067	.019	.125	.063	.018		

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.363	.363	.363	.310	.310	.310	.212	.212	.212	.122	.122	.122	.039	.039	.039	
1.0	.359	.329	.302	.307	.283	.260	.210	.194	.180	.121	.112	.105	.039	.036	.034	
2.0	.353	.307	.268	.302	.264	.232	.207	.183	.162	.119	.106	.095	.038	.034	.031	
3.0	.345	.290	.247	.296	.250	.214	.203	.174	.150	.117	.102	.088	.038	.033	.029	
4.0	.337	.278	.232	.290	.240	.202	.199	.167	.142	.115	.098	.084	.037	.032	.028	
5.0	.330	.268	.223	.283	.232	.194	.195	.162	.137	.113	.095	.081	.036	.031	.027	
6.0	.322	.260	.216	.277	.225	.188	.191	.158	.133	.111	.093	.079	.036	.030	.026	
7.0	.315	.254	.211	.271	.220	.184	.187	.154	.130	.109	.091	.077	.035	.030	.026	
8.0	.309	.248	.207	.266	.215	.180	.184	.151	.128	.107	.089	.076	.035	.029	.025	
9.0	.302	.244	.204	.261	.211	.178	.181	.149	.126	.105	.088	.075	.034	.029	.025	
10.0	.297	.239	.201	.256	.208	.176	.177	.146	.125	.103	.086	.075	.034	.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:0.2482A P:25.87W PF:0.8685 Freq:60.00Hz Lamp Flux:1920.06x1 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	19.9	19.2	20.5	21.1	21.7	23.0	22.2	23.5	24.2
3H	19.9	21.2	20.5	21.8	22.5	24.5	25.7	25.1	26.3	27.0
4H	20.5	21.6	21.1	22.2	23.0	26.1	27.2	26.7	27.8	28.6
6H	20.8	21.9	21.4	22.5	23.3	27.8	28.9	28.4	29.5	30.3
8H	20.9	21.9	21.5	22.6	23.3	28.8	29.8	29.4	30.5	31.2
12H	20.9	21.9	21.6	22.6	23.4	29.9	30.9	30.5	31.5	32.3
4H 2H	20.0	21.2	20.6	21.8	22.5	22.2	23.3	22.8	23.9	24.6
3H	21.7	22.7	22.4	23.4	24.1	25.3	26.3	25.9	26.9	27.7
4H	22.4	23.4	23.1	24.0	24.8	27.0	28.0	27.7	28.6	29.4
6H	23.0	23.8	23.7	24.5	25.4	29.0	29.9	29.7	30.6	31.4
8H	23.2	23.9	23.9	24.7	25.5	30.1	30.9	30.8	31.6	32.5
12H	23.3	24.0	24.0	24.7	25.6	31.4	32.1	32.1	32.8	33.7
8H 4H	23.9	24.6	24.6	25.3	26.2	27.4	28.1	28.1	28.9	29.7
6H	24.9	25.5	25.6	26.3	27.2	29.7	30.3	30.4	31.1	31.9
8H	25.3	25.9	26.1	26.7	27.6	31.0	31.6	31.7	32.3	33.2
12H	25.6	26.1	26.4	26.9	27.8	32.5	33.0	33.3	33.8	34.7
12H 4H	24.3	25.0	25.0	25.8	26.6	27.4	28.1	28.1	28.8	29.7
6H	25.6	26.2	26.4	27.0	27.9	29.8	30.4	30.5	31.1	32.0
8H	26.3	26.8	27.1	27.6	28.5	31.2	31.7	32.0	32.5	33.4
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, 1920 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 2.3$ )  
Area: 0.0354 m<sup>2</sup>

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.2482A P:25.87W PF:0.8685 Freq:60.00Hz Lamp Flux:1920.06x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

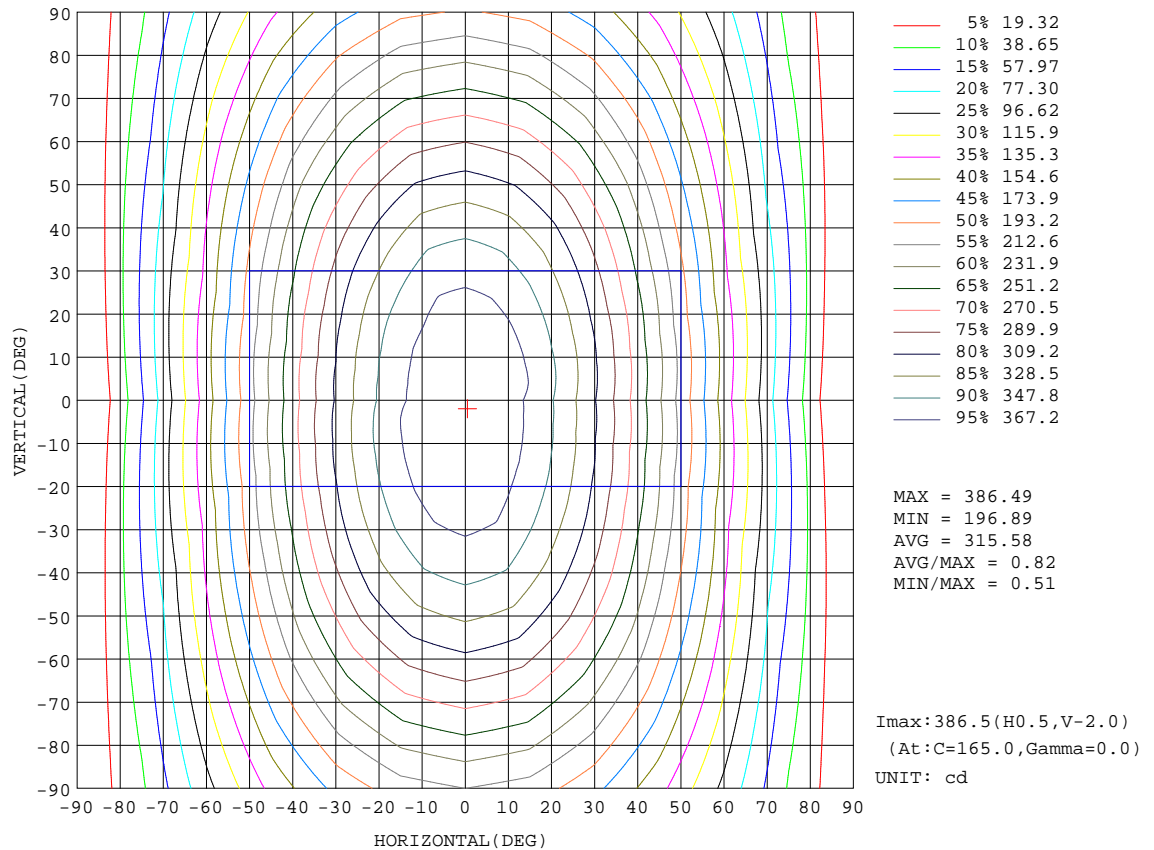
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	27	45	33	26	43	32	26	19
0.80	55	42	34	54	41	34	51	40	33	25
1.00	63	50	41	61	49	41	57	49	39	30
1.25	70	57	48	67	56	47	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	73	87	78	71	79	72	67	52
4.00	95	87	81	91	84	78	83	77	72	57
5.00	98	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:0.2482A P:25.87W PF:0.8685 Freq:60.00Hz Lamp Flux:1920.06x1 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

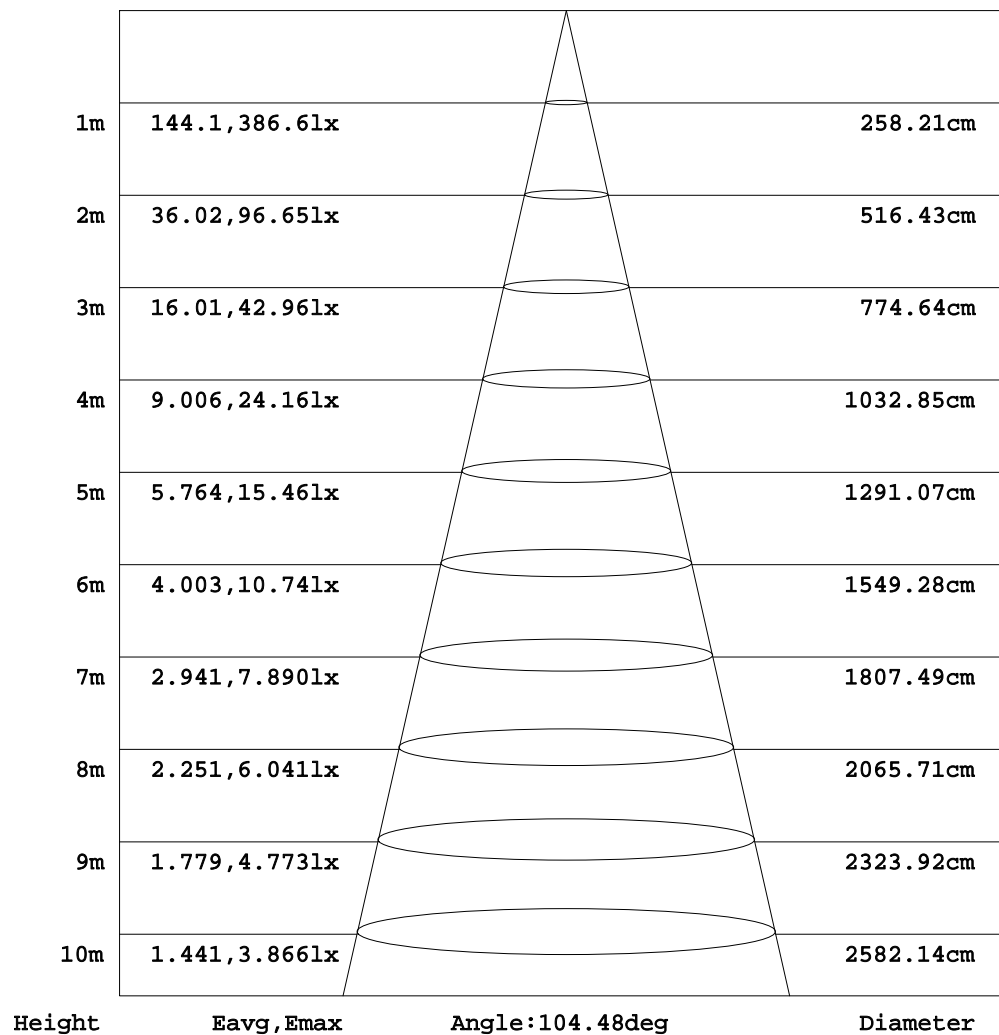
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 41.5%  
Test Distance: 2.500m [K=1.0250]  
Remarks:



## AAI Figure

Test:U:120.0V I:0.2482A P:25.87W PF:0.8685 Freq:60.00Hz Lamp Flux:1920.06x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

Flux out:797.2 lm



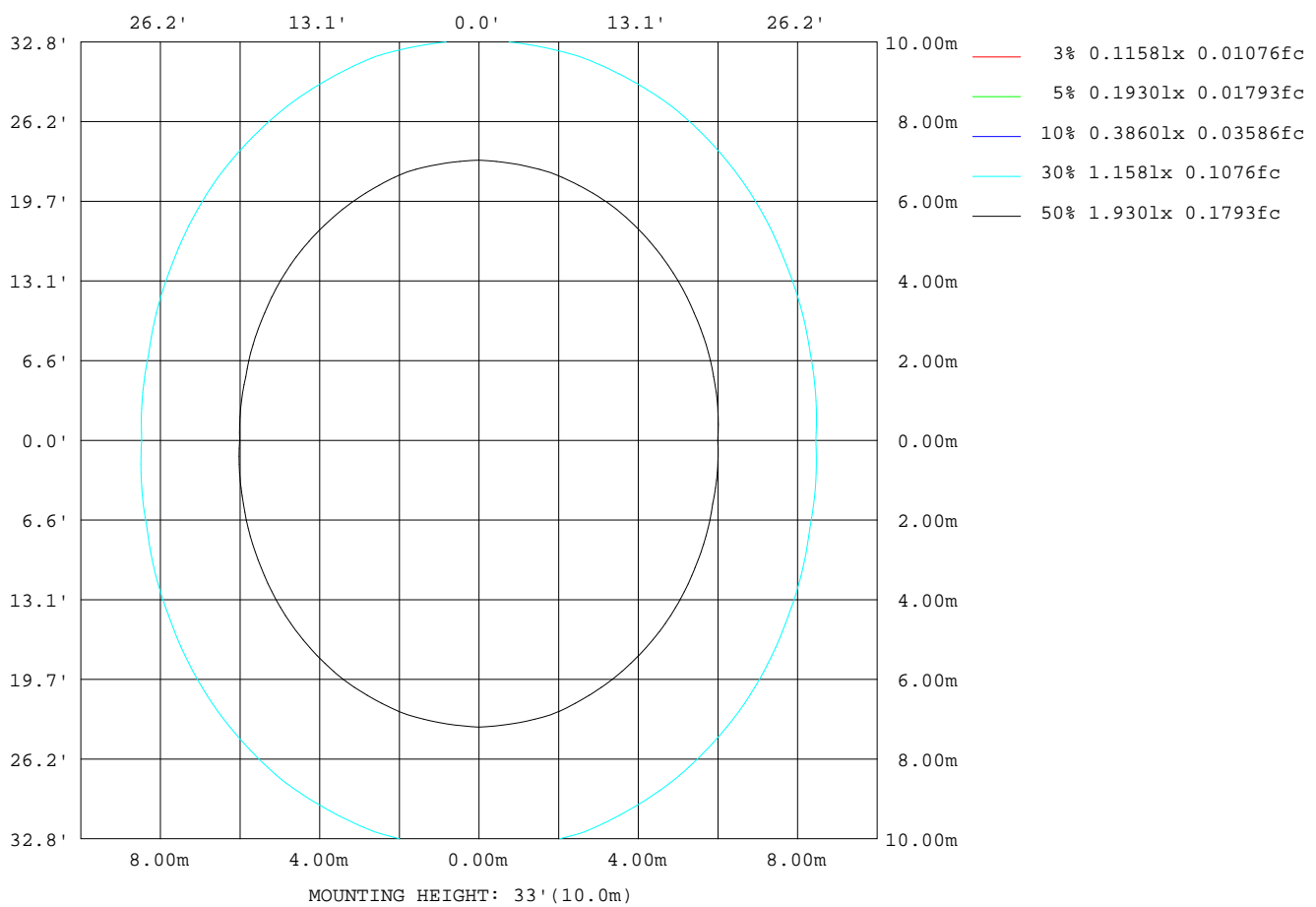
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2482A P:25.87W PF:0.8685 Freq:60.00Hz Lamp Flux:1920.06x1 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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.2482A P:25.87W PF:0.8685 Freq:60.00Hz Lamp Flux:1920.06x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

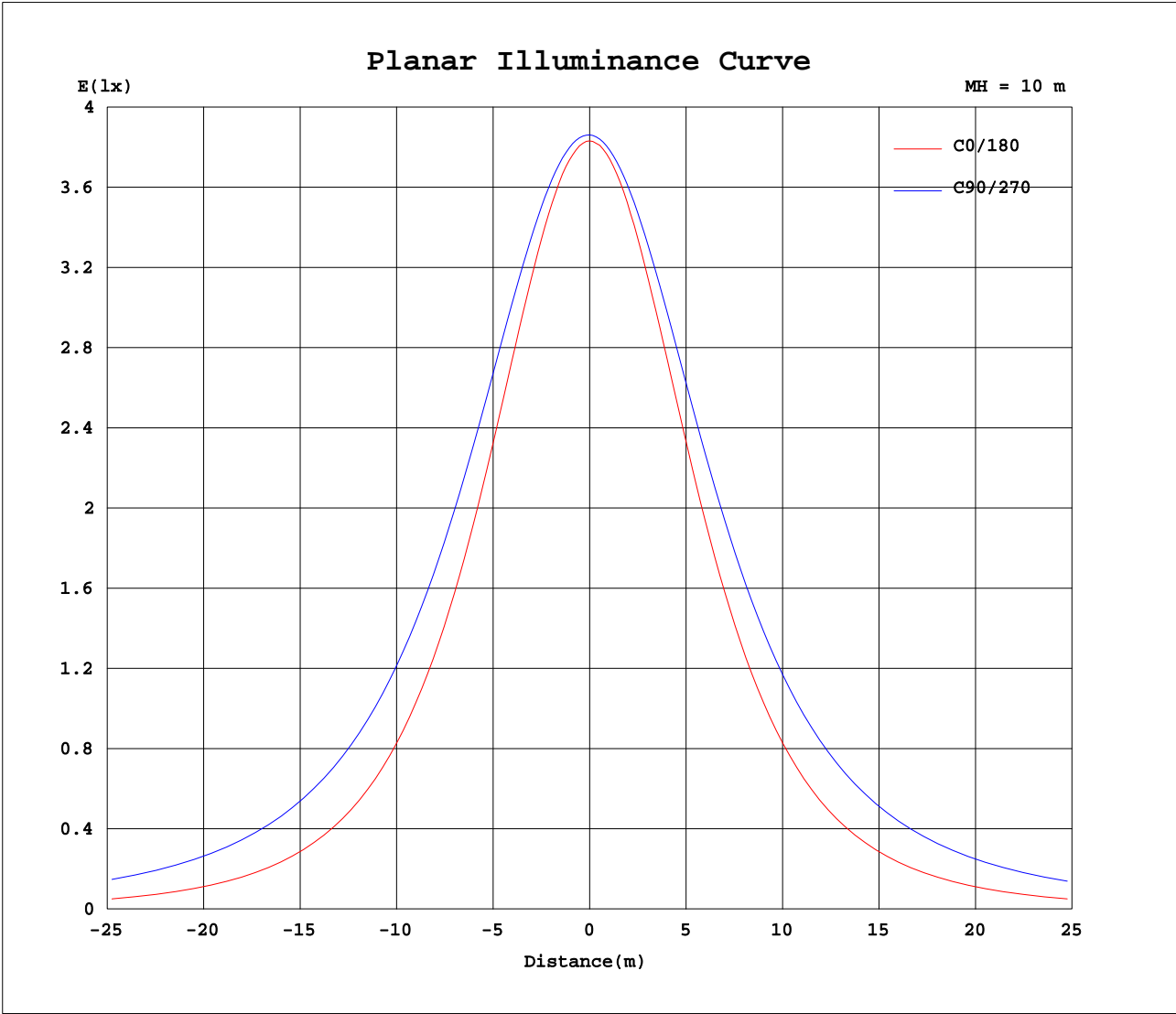
AvgL	cd/m2
L_0~180(65)av	7688
L_0~180(75)av	6089
L_0~180(85)av	2919
L_90~270(65)av	18866
L_90~270(75)av	27409
L_90~270(85)av	71172
L_45(65)av	14480
L_45(75)av	19780
L_45(85)av	48574

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.2482A P:25.87W PF:0.8685 Freq:60.00Hz Lamp Flux:1920.06x1 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	383	383	383	384	383	386	386	386	386	386	386	387	383	383	383	384	383	386	386
5	381	381	381	382	383	386	386	386	386	385	385	385	381	381	381	382	382	385	385
10	374	375	376	378	380	385	385	385	384	382	380	379	375	375	376	377	378	383	383
15	364	365	368	372	376	382	383	382	379	375	372	368	364	364	367	371	373	379	379
20	349	351	357	364	370	378	380	378	373	367	360	355	350	351	355	361	367	374	375
25	331	334	343	353	363	373	375	373	365	356	345	338	332	334	341	350	358	367	369
30	310	315	326	340	353	366	369	366	356	342	328	318	311	314	324	336	348	359	361
35	287	293	307	325	343	358	362	358	345	328	309	295	288	292	305	321	336	350	353
40	261	269	287	310	331	348	353	348	333	311	289	271	262	268	284	305	323	339	342
45	234	243	266	293	318	338	343	337	320	294	267	245	235	242	263	287	309	326	331
50	205	217	243	276	304	325	332	325	305	276	244	217	205	215	240	269	294	313	318
55	176	190	221	258	289	312	319	311	290	258	221	190	176	188	218	250	278	298	304
60	146	162	199	240	273	298	305	297	274	239	199	162	145	161	195	232	262	283	289
65	115	135	177	221	257	283	290	282	258	221	177	135	115	134	173	213	245	268	274
70	85.0	110	157	204	241	267	275	266	241	203	156	108	84.6	109	152	194	228	252	258
75	55.9	85.7	137	187	225	252	260	251	225	186	136	84.3	55.7	85.0	133	177	212	236	243
80	29.5	64.9	120	170	209	236	244	235	210	170	119	63.4	29.5	64.4	115	161	196	220	227
85	9.26	48.2	105	155	194	220	228	219	194	155	104	46.7	8.76	47.8	99.9	146	181	204	211
90	0.39	36.8	91.8	141	179	205	213	204	179	141	90.5	35.6	0.42	36.3	87.0	132	166	189	195
95	1.00	30.1	81.0	129	165	190	197	189	165	128	80.0	29.1	1.01	29.2	76.1	119	152	174	181
100	1.88	25.7	72.3	117	152	175	182	174	152	116	71.5	25.0	1.87	24.7	67.4	108	139	160	166
105	3.13	22.0	64.8	106	139	161	168	160	139	106	64.2	21.4	3.11	20.5	60.0	97.3	127	146	152
110	4.84	19.0	58.0	95.9	127	147	153	147	127	96.0	57.5	18.6	4.76	17.1	53.0	87.7	115	133	138
115	7.10	18.5	51.8	86.6	115	134	140	133	115	86.4	51.5	18.3	6.88	16.4	46.7	78.3	104	120	125
120	9.43	19.1	46.2	77.4	103	120	126	120	103	77.4	46.1	19.0	9.14	16.4	41.0	69.5	92.2	108	112
125	11.7	20.1	41.0	68.8	91.3	107	112	107	91.6	68.9	41.1	20.0	11.5	16.2	35.9	61.1	81.4	95.1	99.4
130	13.9	21.0	37.5	60.5	80.3	94.2	98.6	93.8	80.7	60.7	37.5	20.9	13.5	16.3	32.7	53.1	71.0	83.0	86.9
135	15.7	21.8	35.0	52.8	69.9	81.8	85.7	81.7	70.3	53.1	35.1	21.8	15.4	18.2	30.2	45.7	61.1	71.5	75.0
140	17.5	22.5	32.9	46.5	59.9	70.1	73.5	70.1	60.5	46.8	33.1	22.5	17.2	18.4	28.0	40.2	51.7	60.5	63.6
145	19.1	23.0	31.2	41.6	51.5	59.2	61.9	59.2	51.9	42.0	31.4	23.1	18.8	19.4	25.1	35.6	44.2	50.4	53.0
150	20.5	23.5	29.8	37.5	44.9	50.7	52.5	50.7	45.4	37.8	30.1	23.7	20.3	19.4	22.4	31.6	38.1	42.7	44.8
155	21.4	23.9	28.7	34.2	39.4	43.7	45.1	43.7	39.9	34.5	29.0	24.2	21.5	18.9	24.2	27.6	32.9	36.4	38.3
160	21.8	24.0	27.8	31.5	34.9	37.7	38.7	37.8	35.3	31.8	28.1	23.9	22.5	19.0	23.7	25.0	28.9	31.5	33.2
165	19.9	21.7	27.1	29.2	31.3	33.0	33.5	33.0	31.6	29.5	26.6	21.1	20.4	18.3	20.9	24.7	25.2	27.9	29.1
170	16.3	16.9	23.6	27.0	28.4	29.3	29.6	29.3	28.3	23.0	19.2	16.7	16.3	16.1	15.7	17.7	21.7	24.3	25.6
175	13.7	13.8	14.4	16.3	23.2	25.5	24.3	22.7	14.9	13.6	13.6	13.6	13.5	13.5	13.3	13.2	13.1	13.9	17.7
180	20.7	20.3	18.6	14.9	13.6	4.59	0.00	8.78	12.9	18.1	19.1	22.0	19.4	19.4	18.9	17.4	14.9	11.3	6.91

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:0.2482A P:25.87W PF:0.8685 Freq:60.00Hz Lamp Flux:1920.06x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	386	386	386	386	387														
5	385	385	384	384	384														
10	382	381	380	379	378														
15	378	376	373	370	368														
20	373	369	363	357	354														
25	366	360	351	342	336														
30	358	349	337	325	316														
35	348	337	322	306	294														
40	337	324	305	285	269														
45	325	309	287	262	243														
50	311	294	268	240	216														
55	297	278	249	217	188														
60	282	261	230	194	161														
65	266	244	211	171	133														
70	250	228	193	150	107														
75	234	211	175	130	82.9														
80	219	195	159	112	61.6														
85	202	180	144	96.8	44.4														
90	187	165	130	83.7	32.8														
95	173	151	117	73.0	26.0														
100	158	138	105	64.3	21.6														
105	145	126	95.1	57.1	17.7														
110	132	114	85.6	50.3	15.0														
115	119	102	76.3	44.2	14.3														
120	107	91.3	67.7	38.8	14.9														
125	94.2	80.5	59.4	33.9	15.7														
130	82.4	70.2	51.7	30.9	16.7														
135	71.0	60.4	44.5	28.5	17.4														
140	60.2	51.3	39.1	27.0	17.7														
145	50.5	44.1	34.9	25.1	18.0														
150	43.2	38.6	32.0	24.9	19.3														
155	37.4	34.5	30.3	25.4	20.8														
160	33.0	31.4	28.9	25.4	22.2														
165	29.3	28.7	27.4	25.6	22.7														
170	26.5	26.5	26.1	24.0	18.7														
175	21.3	23.0	20.2	15.3	13.8														
180	6.91	6.92	11.3	15.3	17.8														

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

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Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.416

Humidity:41.5%

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