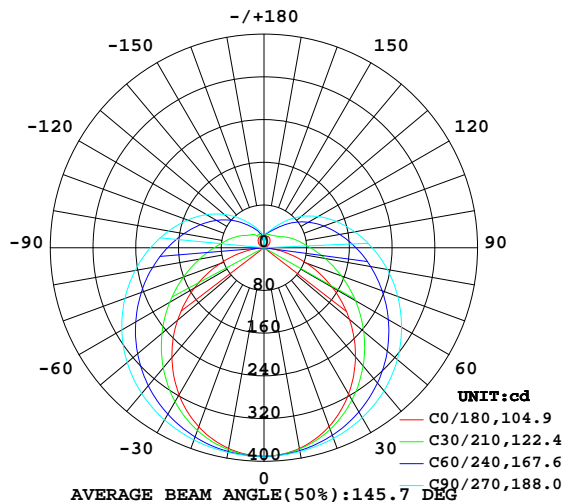


## LUMINAIRE PHOTOMETRIC TEST REPORT

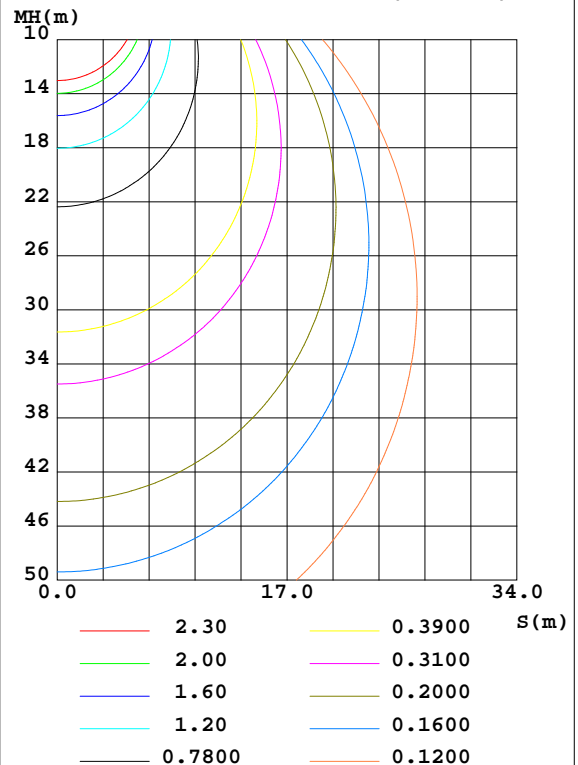
Test:U:120.0V I:0.2508A P:26.33W PF:0.8750 Freq:60.00Hz Lamp Flux:1953.13x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 74.18 lm/W			
MODEL	C06015301A	Imax(cd)	390.8	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)	1953.1	$\eta$ UP,DN(C0-180)	11.0,38.3
NOMINAL FLUX(lm)	1953.13	CIE CLASS	SEMI-D.	$\eta$ UP,DN(C180-360)	11.6,39.1
LAMPS INSIDE	1	$\eta$ up(%)	22.6	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	$\eta$ 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

$\gamma$  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:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	381.7	384.8	387.6	384.4	381.8	385.9	389.1	385.7	0- 10	37.02	37.02	1.9,1.9
20	356.4	367.7	379.9	368.0	356.8	371.0	383.2	369.8	10- 20	106.9	143.9	7.37,7.37
30	316.6	342.6	367.6	343.0	318.0	346.8	372.2	345.6	20- 30	165.0	308.9	15.8,15.8
40	266.3	310.4	349.8	310.8	268.2	315.9	356.4	314.7	30- 40	205.9	514.8	26.4,26.4
50	208.9	274.3	326.0	274.6	211.2	281.0	334.3	279.4	40- 50	226.6	741.4	38,38
60	147.3	236.5	297.5	236.9	150.2	243.7	307.4	242.1	50- 60	227.1	968.4	49.6,49.6
70	84.66	199.2	266.6	199.7	88.37	206.6	276.8	204.6	60- 70	210.5	1179	60.4,60.4
80	27.86	165.0	234.6	165.4	31.51	172.5	244.8	170.3	70- 80	182.4	1361	69.7,69.7
90	0.1383	135.2	203.1	135.6	0.1716	142.7	212.7	140.4	80- 90	150.7	1512	77.4,77.4
100	1.459	110.5	172.7	110.6	1.359	117.6	181.4	115.4	90-100	123.1	1635	83.7,83.7
110	4.541	89.85	144.2	90.02	4.293	96.49	152.2	94.51	100-110	98.60	1734	88.8,88.8
120	9.237	71.38	117.3	71.70	8.898	77.42	124.1	75.65	110-120	76.03	1810	92.7,92.7
130	13.91	54.92	90.99	55.43	13.44	60.37	97.28	58.91	120-130	55.71	1865	95.5,95.5
140	17.81	42.21	66.97	42.26	17.32	46.42	72.47	45.77	130-140	38.30	1904	97.5,97.5
150	21.13	34.09	47.52	33.86	20.75	36.80	52.22	37.71	140-150	24.70	1929	98.7,98.7
160	22.43	29.36	35.00	29.36	22.83	27.67	38.36	32.98	150-160	15.01	1944	99.5,99.5
170	16.72	26.10	28.14	21.91	16.66	19.63	29.00	28.62	160-170	7.752	1951	99.9,99.9
180	21.59	15.17	0	16.24	20.23	18.16	5.707	11.77	170-180	1.861	1953	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 626.79 lm

%lum = 32.1%

%lamp = 32.1%

Conical surface Flux(120deg): 968.43 lm

%lum = 49.6%

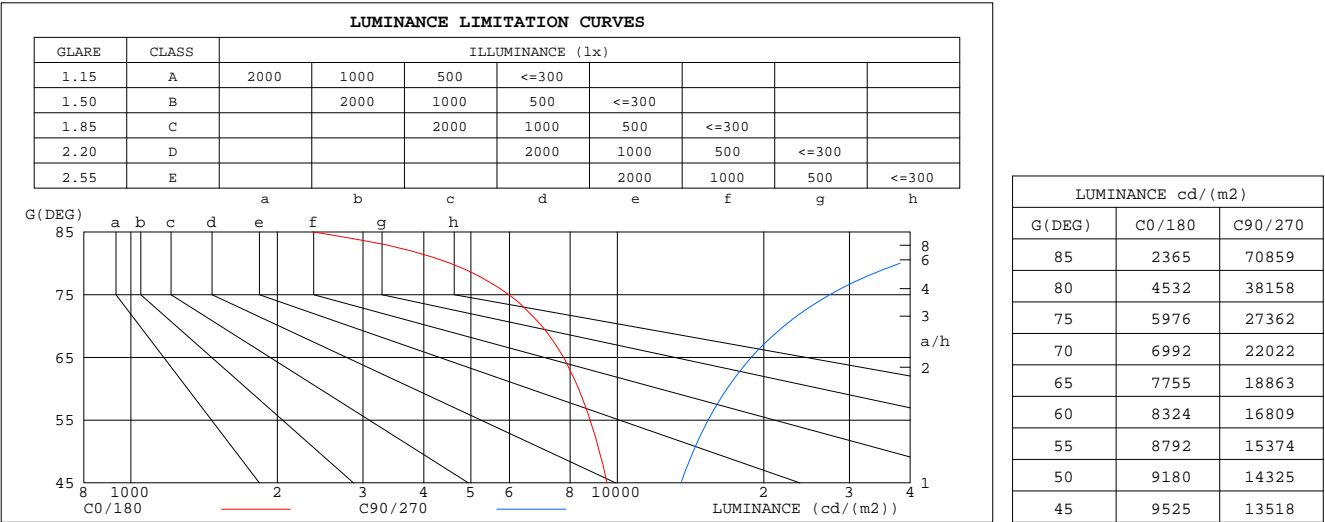
%lamp = 49.6%

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:0.2508A P:26.33W PF:0.8750 Freq:60.00Hz Lamp Flux:1953.13x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:



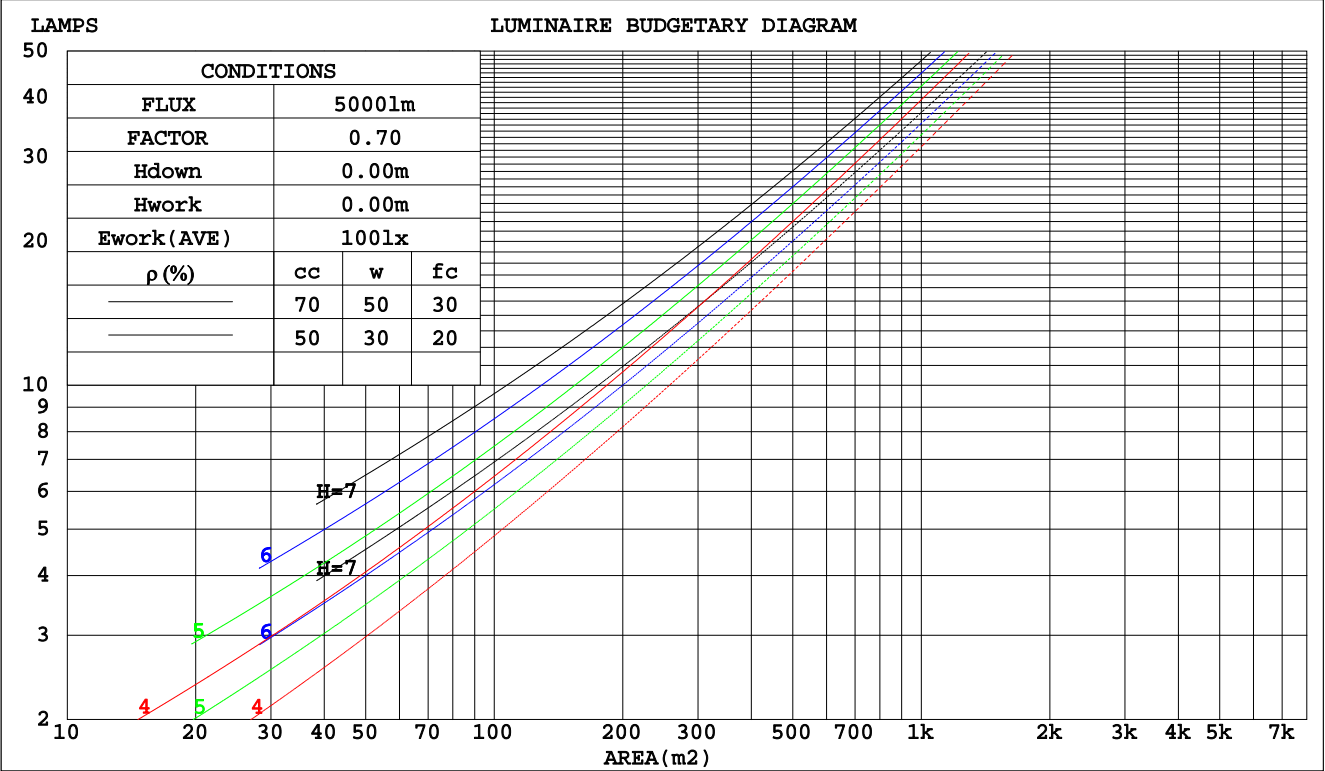
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:24.9DEG  
Operators:Alan Wang  
Test Date:27 December 2024

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:0.2508A P:26.33W PF:0.8750 Freq:60.00Hz Lamp Flux:1953.13x1 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						Coefficients of Utilization(CU)									
0.0	1.14	1.14	1.14	1.08	1.08	1.08	.99	.99	.99	.90	.90	.90	.81	.81	.81	.77
1.0	.94	.89	.84	.90	.85	.81	.81	.78	.74	.74	.71	.68	.66	.64	.62	.58
2.0	.81	.73	.66	.77	.70	.64	.69	.64	.59	.63	.58	.54	.57	.53	.50	.46
3.0	.70	.61	.54	.67	.58	.52	.60	.54	.48	.55	.49	.44	.49	.45	.41	.38
4.0	.61	.52	.45	.58	.50	.43	.53	.46	.40	.48	.42	.37	.43	.38	.34	.31
5.0	.54	.45	.38	.52	.43	.37	.47	.40	.34	.43	.37	.32	.39	.34	.29	.27
6.0	.49	.39	.33	.47	.38	.32	.42	.35	.30	.39	.32	.28	.35	.30	.26	.23
7.0	.44	.35	.29	.42	.34	.28	.38	.31	.26	.35	.29	.24	.32	.27	.23	.20
8.0	.40	.31	.25	.38	.30	.24	.35	.28	.23	.32	.26	.21	.29	.24	.20	.18
9.0	.36	.28	.22	.35	.27	.22	.32	.25	.21	.29	.23	.19	.27	.22	.18	.16
10.0	.33	.25	.20	.32	.25	.20	.30	.23	.18	.27	.21	.17	.25	.20	.16	.14



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:0.2508A P:26.33W PF:0.8750 Freq:60.00Hz Lamp Flux:1953.13x1 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	.213	.068	.346	.199	.063	.322	.186	.060	.300	.174	.056		
2.0	.333	.183	.056	.320	.177	.054	.297	.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	.204	.101	.029	.196	.097	.028	.181	.091	.026	.166	.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	.067	.020		
10.0	.165	.079	.022	.158	.076	.021	.146	.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	.363	.363	.363	.310	.310	.310	.211	.211	.211	.121	.121	.121	.039	.039	.039	
1.0	.359	.329	.302	.307	.282	.260	.210	.194	.180	.121	.112	.104	.039	.036	.034	
2.0	.352	.306	.268	.302	.264	.231	.207	.182	.161	.119	.106	.095	.038	.034	.031	
3.0	.345	.290	.246	.296	.250	.214	.203	.174	.150	.117	.102	.088	.038	.033	.029	
4.0	.337	.278	.232	.289	.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	.210	.271	.220	.183	.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	.243	.204	.260	.211	.178	.180	.148	.126	.105	.088	.075	.034	.029	.025	
10.0	.296	.239	.201	.256	.208	.176	.177	.146	.125	.103	.086	.074	.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:0.2508A P:26.33W PF:0.8750 Freq:60.00Hz Lamp Flux:1953.13x1 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	18.5	19.9	19.1	20.4	21.1	21.5	22.8	22.0	23.3	24.0	
	3H	19.9	21.1	20.5	21.7	22.4	24.3	25.5	24.8	26.1	
	4H	20.4	21.5	21.0	22.1	22.9	25.8	27.0	26.4	27.6	
	6H	20.7	21.8	21.3	22.4	23.1	27.5	28.6	28.1	29.2	
	8H	20.8	21.8	21.4	22.4	23.2	28.5	29.5	29.1	30.2	
	12H	20.8	21.8	21.4	22.4	23.2	29.6	30.6	30.2	31.2	
	4H	2H	19.9	21.1	20.5	21.7	22.4	22.0	23.1	22.6	
	3H	21.6	22.6	22.2	23.2	24.0	25.0	26.0	25.7	26.7	
	4H	22.3	23.2	23.0	23.9	24.7	26.8	27.7	27.5	28.4	
	6H	22.8	23.6	23.5	24.3	25.2	28.7	29.6	29.4	30.3	
	8H	23.0	23.7	23.7	24.5	25.3	29.8	30.6	30.5	31.3	
	12H	23.0	23.8	23.8	24.5	25.4	31.1	31.8	31.8	32.5	
8H	4H	23.7	24.4	24.4	25.2	26.0	27.1	27.9	27.8		
6H	24.7	25.3	25.4	26.1	27.0	29.4	30.0	30.1	30.8		
8H	25.1	25.7	25.8	26.4	27.3	30.7	31.3	31.4	32.0		
12H	25.4	25.9	26.1	26.7	27.6	32.2	32.7	33.0	33.5		
12H	4H	24.1	24.8	24.8	25.6	26.4	27.1	27.8	27.8		
6H	25.4	26.0	26.2	26.8	27.7	29.5	30.1	30.2	30.8		
8H	26.1	26.6	26.8	27.3	28.3	30.9	31.4	31.7	32.2		
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, 1953 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:0.2508A P:26.33W PF:0.8750 Freq:60.00Hz Lamp Flux:1953.13x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

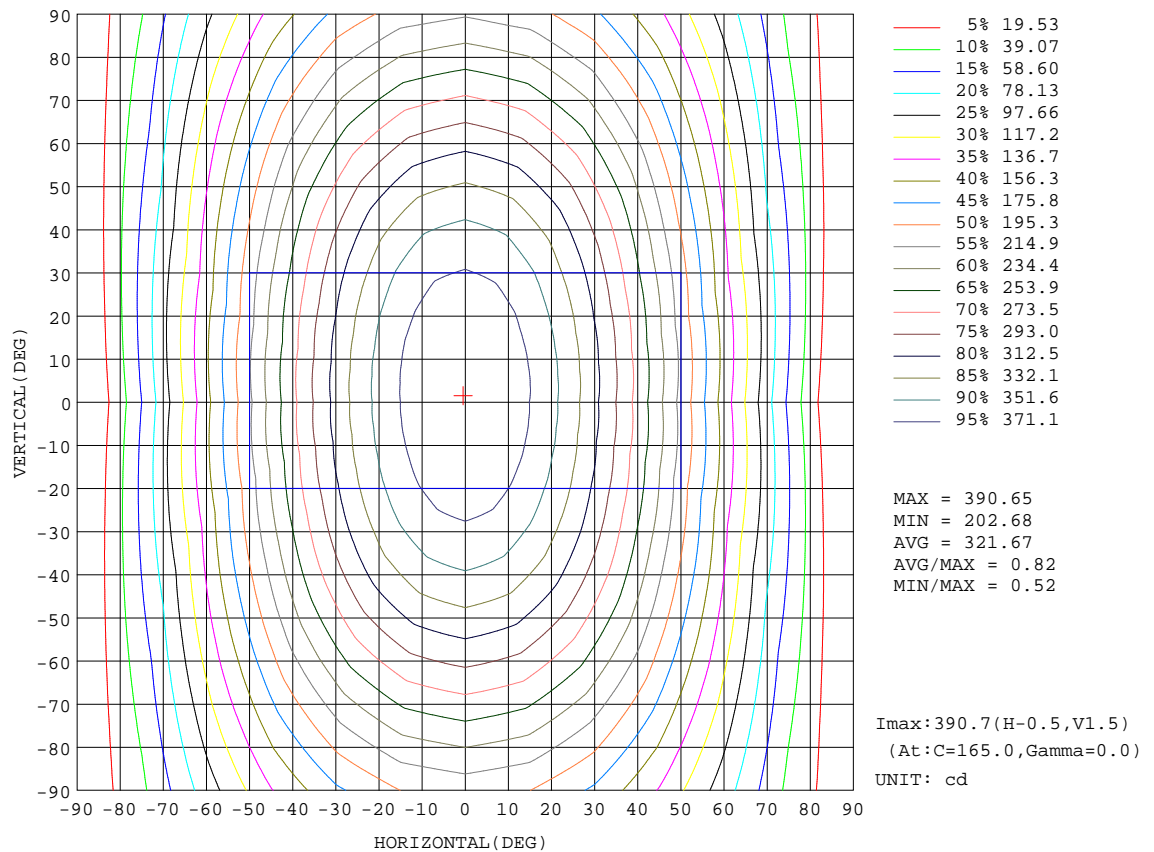
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	27	45	33	26	43	32	26	19
0.80	55	42	34	54	41	34	50	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	80	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:0.2508A P:26.33W PF:0.8750 Freq:60.00Hz Lamp Flux:1953.13x1 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

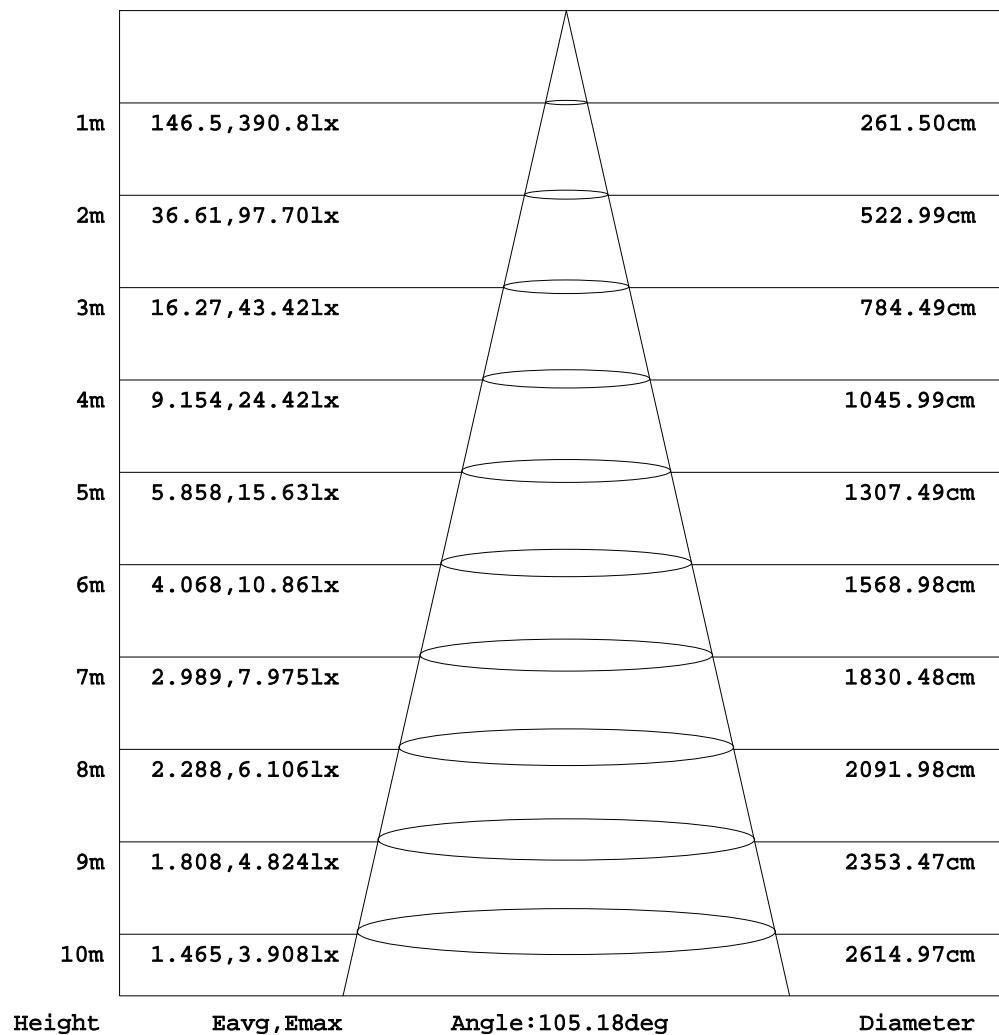
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 41.5%  
 Test Distance: 2.500m [K=1.0250]  
 Remarks:



## AAI Figure

Test:U:120.0V I:0.2508A P:26.33W PF:0.8750 Freq:60.00Hz Lamp Flux:1953.13x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

Flux out:810.3 lm



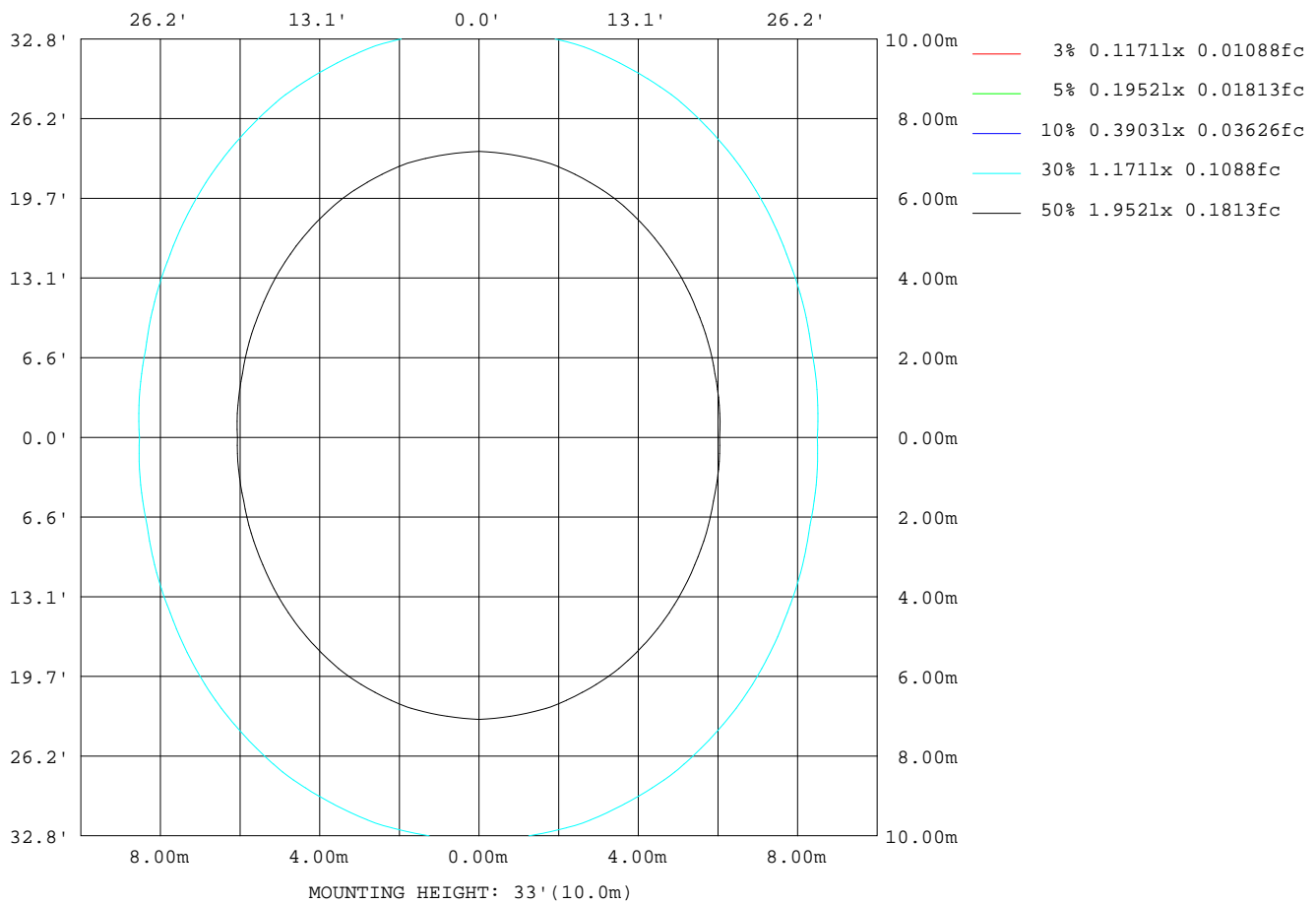
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2508A P:26.33W PF:0.8750 Freq:60.00Hz Lamp Flux:1953.13x1 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:0.2508A P:26.33W PF:0.8750 Freq:60.00Hz Lamp Flux:1953.13x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

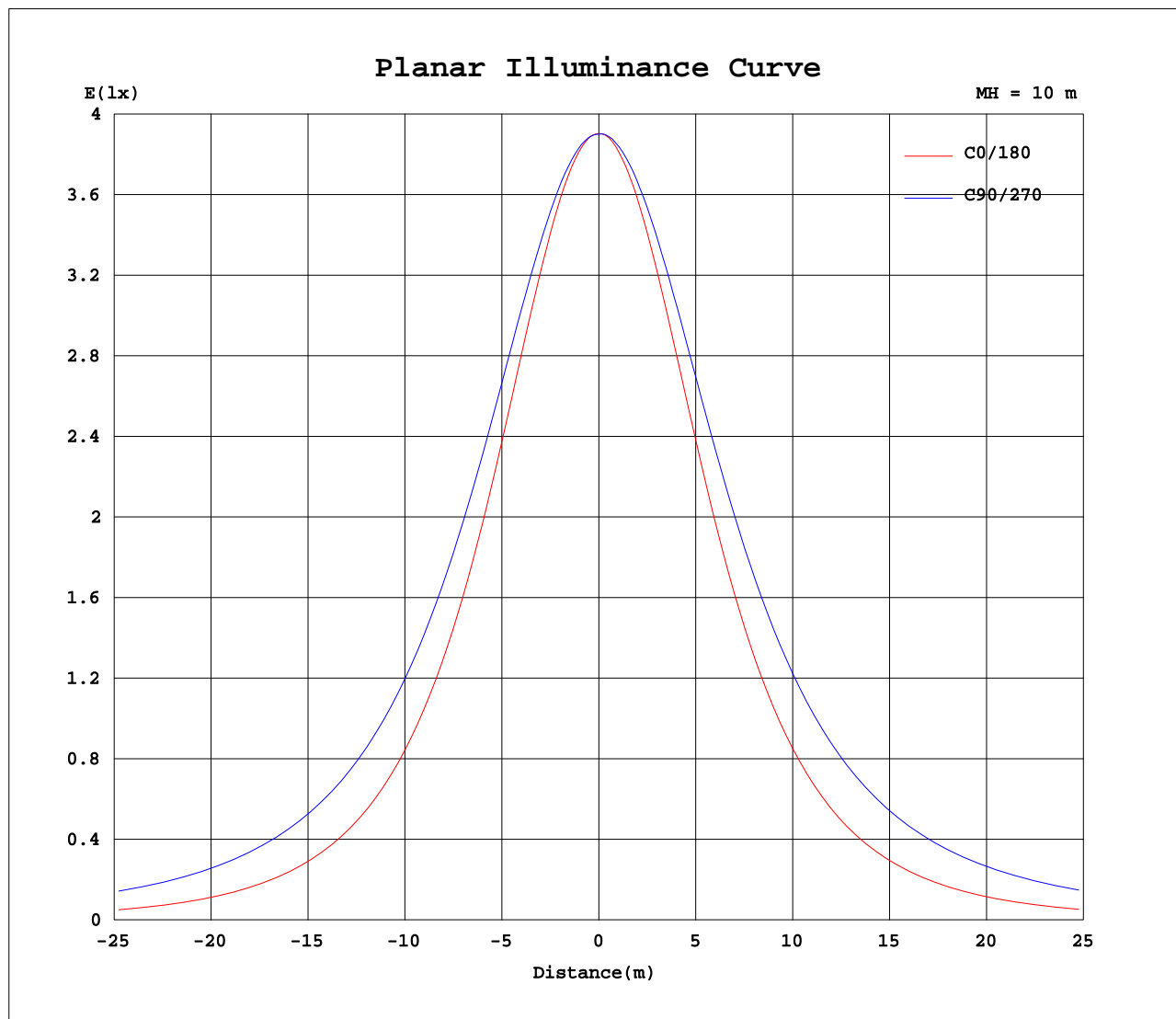
AvgL	cd/m2
L_0~180(65)av	7862
L_0~180(75)av	6187
L_0~180(85)av	2742
L_90~270(65)av	19209
L_90~270(75)av	27927
L_90~270(85)av	72493
L_45(65)av	14781
L_45(75)av	20189
L_45(85)av	49519

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

 $\gamma$  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:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2508A P:26.33W PF:0.8750 Freq:60.00Hz Lamp Flux:1953.13x1 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	390	391	391	390	391	391	390	390	390	390	390	391	390	391	391	390	391	391	390
5	388	388	388	389	389	390	390	389	389	389	389	388	388	389	389	390	390	390	390
10	382	382	383	385	386	387	388	387	386	384	383	382	382	382	384	386	387	389	389
15	371	372	374	377	380	383	384	384	381	377	374	372	371	373	376	379	383	386	387
20	356	358	362	368	374	378	380	378	374	368	362	358	357	359	364	371	377	382	383
25	338	340	347	356	365	372	375	372	366	356	347	341	339	343	350	360	369	376	378
30	317	320	329	343	355	364	368	364	355	343	330	321	318	322	333	347	360	369	372
35	293	297	310	327	343	355	359	355	344	328	311	298	294	300	314	332	349	361	365
40	266	272	289	310	331	345	350	345	331	311	290	273	268	276	293	316	337	352	356
45	238	246	267	293	317	333	338	333	317	293	268	247	241	250	272	299	324	341	346
50	209	218	244	274	301	320	326	319	302	275	245	220	211	223	249	281	309	328	334
55	179	191	221	256	285	305	312	305	286	256	222	192	181	195	227	263	293	314	321
60	147	162	198	236	269	290	298	290	269	237	199	164	150	167	204	244	277	300	307
65	116	135	175	218	252	275	282	275	252	218	177	137	119	140	181	225	261	284	293
70	84.7	108	154	199	235	259	267	259	236	200	155	110	88.4	113	160	207	244	268	277
75	54.7	83.3	134	182	219	243	251	243	219	182	135	85.4	58.6	89.1	141	189	228	253	261
80	27.9	62.1	116	165	203	227	235	227	203	165	117	63.9	31.5	67.6	123	173	212	237	245
85	7.30	45.4	101	149	187	211	219	211	187	150	101	46.8	9.62	50.5	107	157	196	221	229
90	0.14	34.1	87.3	135	172	196	203	195	172	136	87.8	34.9	0.17	38.4	93.4	143	181	205	213
95	0.54	27.4	76.4	122	158	180	188	180	158	123	76.8	27.9	0.55	31.1	82.4	130	166	189	197
100	1.46	23.0	67.6	111	144	166	173	166	144	111	67.9	23.4	1.36	26.3	73.3	118	152	174	181
105	2.77	19.1	60.1	99.9	131	152	158	151	131	100.0	60.5	19.5	2.59	22.1	65.6	107	139	160	167
110	4.54	16.1	53.2	89.9	119	138	144	138	119	90.0	53.6	16.4	4.29	18.6	58.3	96.5	127	146	152
115	6.81	16.0	47.0	80.3	107	125	131	125	108	80.5	47.5	15.9	6.51	18.0	52.0	86.7	115	132	138
120	9.24	16.7	41.4	71.4	95.9	112	117	112	97.6	71.7	42.0	16.2	8.90	18.6	46.1	77.4	103	119	124
125	11.7	17.7	36.4	62.9	84.6	99.0	104	99.1	84.8	63.3	36.9	17.2	11.3	19.3	40.7	68.7	91.2	106	110
130	13.9	18.8	33.6	54.9	74.0	86.6	91.0	86.7	74.4	55.4	33.6	18.3	13.4	18.6	37.2	60.4	80.2	93.0	97.3
135	15.9	19.9	31.4	47.5	63.9	74.8	78.7	75.0	64.3	47.9	31.2	19.4	15.4	19.1	34.6	52.6	69.8	80.8	84.6
140	17.8	20.8	29.7	42.2	54.4	63.7	67.0	63.9	54.9	42.3	29.3	20.5	17.3	20.6	32.6	46.4	59.8	69.3	72.5
145	19.6	21.5	28.5	37.7	46.8	53.4	56.0	53.5	47.0	37.6	28.1	21.4	19.1	20.9	29.9	41.3	51.5	58.5	61.2
150	21.1	22.3	27.6	34.1	40.7	45.6	47.5	45.8	40.8	33.9	27.3	22.2	20.8	21.5	24.9	36.8	44.4	50.0	52.2
155	22.2	22.9	26.9	31.4	35.8	39.1	40.5	39.2	35.8	31.3	26.9	22.9	21.8	21.1	26.8	32.5	38.4	42.7	44.7
160	22.4	23.1	26.5	29.4	32.2	34.2	35.0	34.2	32.1	29.4	26.6	22.7	22.8	20.5	26.3	27.7	33.5	36.6	38.4
165	20.7	20.8	26.3	27.9	29.4	30.6	31.0	30.6	29.5	27.9	25.5	20.3	20.8	19.1	23.5	27.5	28.0	31.9	33.1
170	16.7	16.6	22.0	26.1	27.4	27.9	28.1	28.0	26.9	21.9	18.4	16.3	16.7	16.4	17.1	19.6	24.5	26.8	29.0
175	14.1	14.1	14.4	15.9	21.8	24.6	22.6	21.1	14.5	13.7	13.7	13.8	14.0	14.0	14.0	14.0	14.0	15.3	19.0
180	21.6	21.0	19.2	15.2	12.7	5.57	0.00	7.55	11.8	16.2	19.0	21.0	20.2	20.2	19.8	18.2	15.6	11.0	5.71

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:0.2508A P:26.33W PF:0.8750 Freq:60.00Hz Lamp Flux:1953.13x1 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	390	390	390	390	391														
5	390	390	389	389	389														
10	388	387	386	384	382														
15	386	383	379	375	373														
20	381	376	370	364	359														
25	376	369	359	349	342														
30	369	359	346	332	322														
35	361	349	331	313	299														
40	351	336	315	292	274														
45	340	323	297	270	248														
50	327	308	279	247	221														
55	314	293	261	224	192														
60	299	276	242	201	164														
65	284	260	223	178	136														
70	268	243	205	157	109														
75	252	227	187	137	84.5														
80	236	210	170	119	63.0														
85	220	194	155	103	46.2														
90	204	179	140	90.1	34.6														
95	188	165	127	79.2	28.1														
100	174	151	115	70.5	23.6														
105	159	138	105	62.8	19.7														
110	145	126	94.5	55.9	17.1														
115	132	113	84.8	49.7	17.0														
120	118	102	75.6	44.1	17.4														
125	105	90.1	67.1	39.0	17.9														
130	92.4	79.2	58.9	36.2	18.0														
135	80.4	68.8	51.3	33.8	18.9														
140	68.9	59.1	45.8	32.0	20.1														
145	58.4	51.4	41.2	30.2	20.6														
150	50.4	45.2	37.7	28.8	21.2														
155	43.7	40.3	35.1	28.8	22.6														
160	38.1	36.2	33.0	29.3	24.2														
165	33.4	32.5	30.8	27.9	24.8														
170	29.5	29.3	28.6	26.5	21.2														
175	24.1	25.3	22.9	16.3	14.5														
180	6.95	7.82	11.8	15.5	18.2														

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: