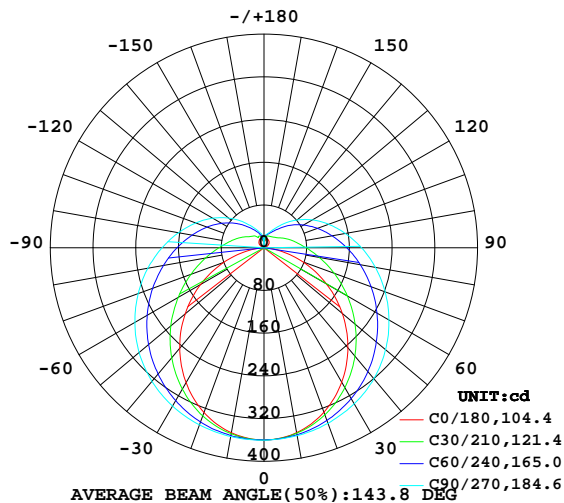


## LUMINAIRE PHOTOMETRIC TEST REPORT

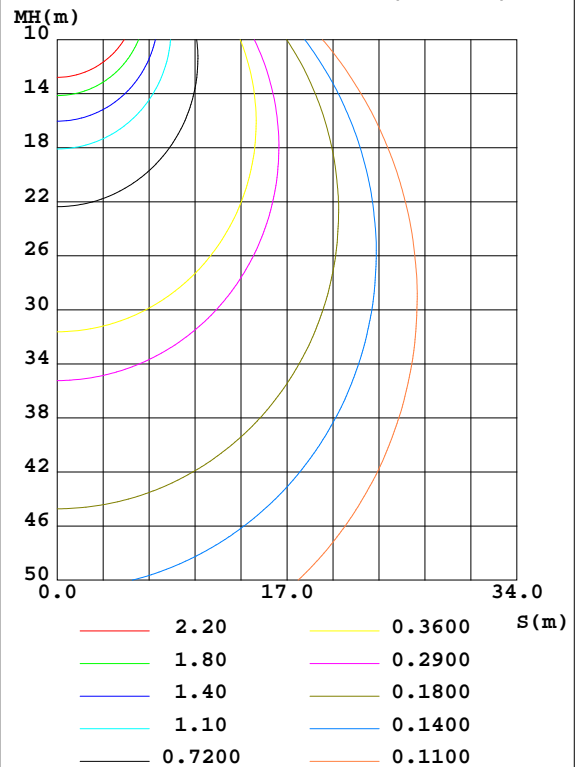
Test:U:120.0V I:0.2474A P:25.91W PF:0.8727 Freq:60.00Hz Lamp Flux:1772.89x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 68.42 lm/W			
MODEL	C06015301A	I <sub>max</sub> (cd)	360.5	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)	1772.9	η UP,DN(C0-180)	10.8,38.5
NOMINAL FLUX(lm)	1772.89	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	11.4,39.3
LAMPS INSIDE	1	η up(%)	22.2	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	77.8	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	351.7	354.2	357.1	354.3	351.8	355.9	359.0	355.2	0- 10	34.12	34.12	1.92,1.92
20	327.9	339.0	349.9	339.0	328.5	341.6	353.0	340.8	10- 20	98.45	132.6	7.48,7.48
30	291.1	315.0	337.6	314.8	291.8	318.8	342.5	317.8	20- 30	151.8	284.3	16,16
40	244.4	284.8	320.2	284.7	245.6	289.5	326.6	288.6	30- 40	188.9	473.2	26.7,26.7
50	191.4	251.0	297.2	250.7	192.6	257.1	305.2	255.1	40- 50	207.2	680.4	38.4,38.4
60	134.9	215.2	270.2	215.1	136.7	222.2	279.1	220.0	50- 60	206.9	887.3	50,50
70	77.58	180.9	241.4	180.5	80.04	187.5	250.7	184.9	60- 70	191.1	1078	60.8,60.8
80	25.69	149.5	211.8	148.9	28.29	156.0	220.8	153.3	70- 80	165.0	1243	70.1,70.1
90	0.1253	122.1	182.7	121.6	0.1550	128.5	190.9	125.8	80- 90	135.7	1379	77.8,77.8
100	1.266	99.31	154.7	98.85	1.240	105.6	162.7	103.1	90-100	110.4	1489	84,84
110	3.967	80.53	129.0	80.28	3.852	86.60	136.1	84.07	100-110	88.21	1578	89,89
120	8.162	63.82	104.4	63.84	7.937	69.25	110.9	67.18	110-120	67.85	1646	92.8,92.8
130	12.33	49.10	81.12	49.28	12.11	53.90	86.63	52.27	120-130	49.61	1695	95.6,95.6
140	15.07	37.64	59.66	37.54	14.91	41.39	64.54	40.60	130-140	34.09	1729	97.5,97.5
150	16.71	30.37	42.28	30.04	17.33	32.76	46.48	33.46	140-150	21.90	1751	98.8,98.8
160	18.15	26.11	31.11	26.02	18.87	24.92	34.06	29.17	150-160	13.26	1764	99.5,99.5
170	14.45	23.20	24.99	19.45	14.29	17.53	25.91	25.00	160-170	6.846	1771	99.9,99.9
180	19.22	13.50	0	14.46	17.93	16.08	5.048	10.44	170-180	1.653	1773	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 575.73 lm

%lum = 32.5%

%lamp = 32.5%

Conical surface Flux(120deg): 887.3 lm

%lum = 50.0%

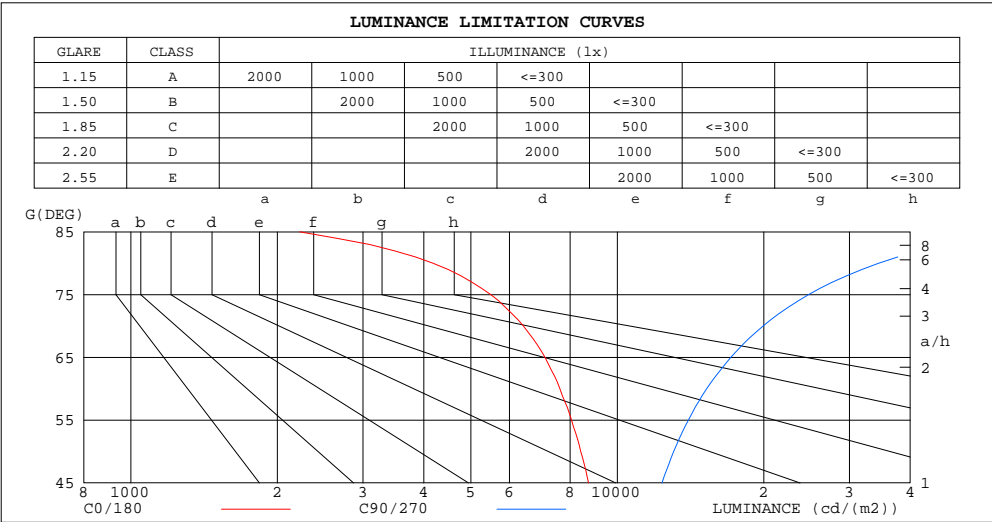
%lamp = 50.0%

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:0.2474A P:25.91W PF:0.8727 Freq:60.00Hz Lamp Flux:1772.89x1 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	2224	63899
80	4179	34454
75	5490	24732
70	6408	19938
65	7101	17120
60	7622	15263
55	8049	14004
50	8410	13060
45	8728	12357

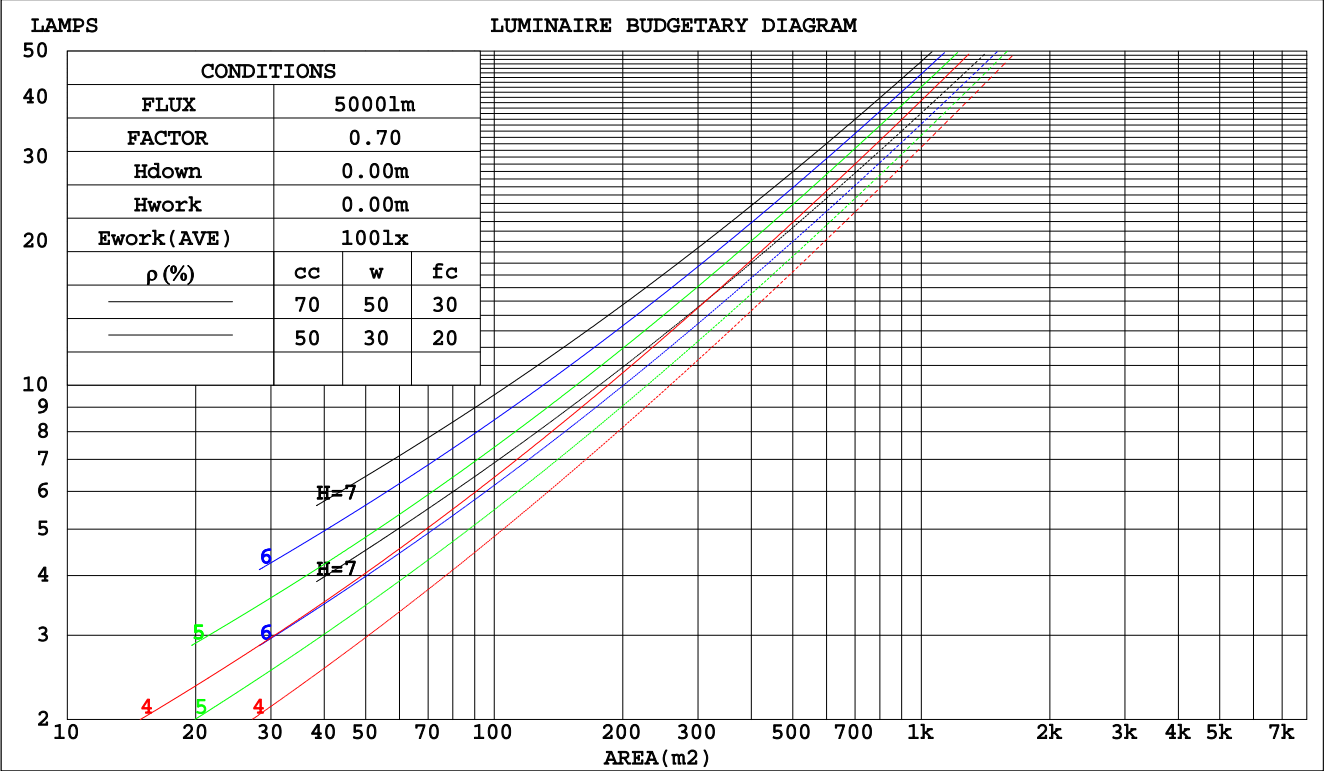
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.9DEG  
Operators:Alan Wang  
Test Date:27 December 2024

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:0.2474A P:25.91W PF:0.8727 Freq:60.00Hz Lamp Flux:1772.89x1 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	1.09	1.09	1.09	.99	.99	.99	.90	.90	.90	.82	.82	.82	.78
1.0	.95	.89	.84	.90	.85	.81	.82	.78	.74	.74	.71	.68	.67	.64	.62	.58
2.0	.81	.73	.66	.77	.70	.64	.70	.64	.59	.63	.58	.54	.57	.53	.50	.46
3.0	.70	.61	.54	.67	.59	.52	.61	.54	.48	.55	.49	.45	.49	.45	.41	.38
4.0	.62	.52	.45	.59	.50	.43	.53	.46	.40	.48	.42	.37	.44	.39	.35	.32
5.0	.55	.45	.38	.52	.43	.37	.47	.40	.34	.43	.37	.32	.39	.34	.30	.27
6.0	.49	.40	.33	.47	.38	.32	.43	.35	.30	.39	.33	.28	.35	.30	.26	.23
7.0	.44	.35	.29	.42	.34	.28	.39	.31	.26	.35	.29	.24	.32	.27	.23	.20
8.0	.40	.31	.25	.38	.30	.25	.35	.28	.23	.32	.26	.22	.29	.24	.20	.18
9.0	.37	.28	.23	.35	.27	.22	.32	.25	.21	.30	.24	.19	.27	.22	.18	.16
10.0	.34	.26	.20	.32	.25	.20	.30	.23	.19	.27	.22	.18	.25	.20	.16	.15



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:0.2474A P:25.91W PF:0.8727 Freq:60.00Hz Lamp Flux:1772.89x1 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	.219	.070	.372	.212	.067	.346	.198	.063	.322	.185	.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	.283	.152	.046	.262	.142	.043	.242	.133	.041	.224	.124	.038		
4.0	.265	.138	.041	.255	.133	.039	.235	.125	.037	.217	.117	.035	.200	.109	.033		
5.0	.241	.123	.036	.231	.119	.035	.214	.111	.033	.197	.104	.031	.182	.097	.029		
6.0	.221	.111	.032	.212	.107	.031	.196	.100	.029	.181	.094	.028	.166	.088	.026		
7.0	.203	.101	.029	.196	.097	.028	.181	.091	.026	.167	.085	.025	.154	.080	.023		
8.0	.189	.092	.026	.181	.089	.025	.168	.084	.024	.155	.078	.023	.143	.073	.021		
9.0	.176	.085	.024	.169	.082	.023	.156	.077	.022	.145	.072	.021	.133	.068	.020		
10.0	.165	.079	.022	.158	.076	.021	.147	.072	.020	.136	.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	.360	.360	.360	.307	.307	.307	.210	.210	.210	.121	.121	.121	.039	.039	.039	
1.0	.356	.326	.299	.305	.280	.257	.208	.193	.178	.120	.111	.103	.038	.036	.033	
2.0	.349	.304	.265	.299	.261	.229	.205	.181	.160	.118	.105	.094	.038	.034	.031	
3.0	.342	.287	.244	.293	.248	.211	.201	.172	.148	.116	.101	.087	.037	.033	.029	
4.0	.334	.275	.229	.287	.237	.199	.197	.165	.140	.114	.097	.083	.037	.032	.027	
5.0	.327	.265	.220	.281	.229	.191	.193	.160	.135	.112	.094	.080	.036	.031	.026	
6.0	.319	.257	.213	.274	.223	.185	.189	.156	.131	.110	.092	.078	.035	.030	.026	
7.0	.312	.251	.208	.269	.217	.181	.186	.152	.128	.108	.090	.076	.035	.029	.025	
8.0	.306	.245	.204	.263	.213	.178	.182	.149	.126	.106	.088	.075	.034	.029	.025	
9.0	.299	.240	.201	.258	.209	.175	.179	.147	.124	.104	.087	.074	.034	.028	.025	
10.0	.294	.236	.198	.253	.205	.173	.176	.144	.123	.102	.085	.073	.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:0.2474A P:25.91W PF:0.8727 Freq:60.00Hz Lamp Flux:1772.89x1 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	18.3	19.6	18.8	20.1	20.8	21.1	22.5	21.7	23.0	23.7	
	3H	19.6	20.8	20.2	21.4	22.1	23.9	25.1	24.5	25.7	
	4H	20.1	21.2	20.7	21.9	22.6	25.5	26.6	26.1	27.2	
	6H	20.4	21.5	21.0	22.1	22.9	27.2	28.3	27.8	28.9	
	8H	20.5	21.5	21.1	22.2	22.9	28.1	29.2	28.8	29.8	
	12H	20.5	21.5	21.1	22.2	22.9	29.2	30.2	29.8	30.9	
4H	2H	19.6	20.8	20.2	21.4	22.1	21.7	22.8	22.3	23.4	
	3H	21.3	22.3	21.9	22.9	23.7	24.7	25.7	25.3	26.4	
	4H	22.0	22.9	22.7	23.6	24.4	26.4	27.4	27.1	28.0	
	6H	22.5	23.3	23.2	24.0	24.9	28.4	29.2	29.1	29.9	
	8H	22.7	23.5	23.4	24.2	25.0	29.5	30.2	30.2	31.0	
	12H	22.8	23.5	23.5	24.2	25.1	30.7	31.4	31.4	32.1	
8H	4H	23.4	24.1	24.1	24.8	25.7	26.8	27.5	27.5	28.3	
	6H	24.4	25.0	25.1	25.8	26.6	29.0	29.7	29.8	30.4	
	8H	24.8	25.4	25.5	26.1	27.0	30.3	30.9	31.1	31.7	
	12H	25.1	25.6	25.8	26.3	27.3	31.8	32.4	32.6	33.1	
12H	4H	23.8	24.5	24.5	25.2	26.1	26.8	27.5	27.5	28.2	
	6H	25.1	25.7	25.8	26.4	27.3	29.1	29.7	29.9	30.5	
	8H	25.7	26.2	26.5	27.0	27.9	30.5	31.1	31.3	31.8	
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, 1773 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 2.0$ )  
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:0.2474A P:25.91W PF:0.8727 Freq:60.00Hz Lamp Flux:1772.89x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

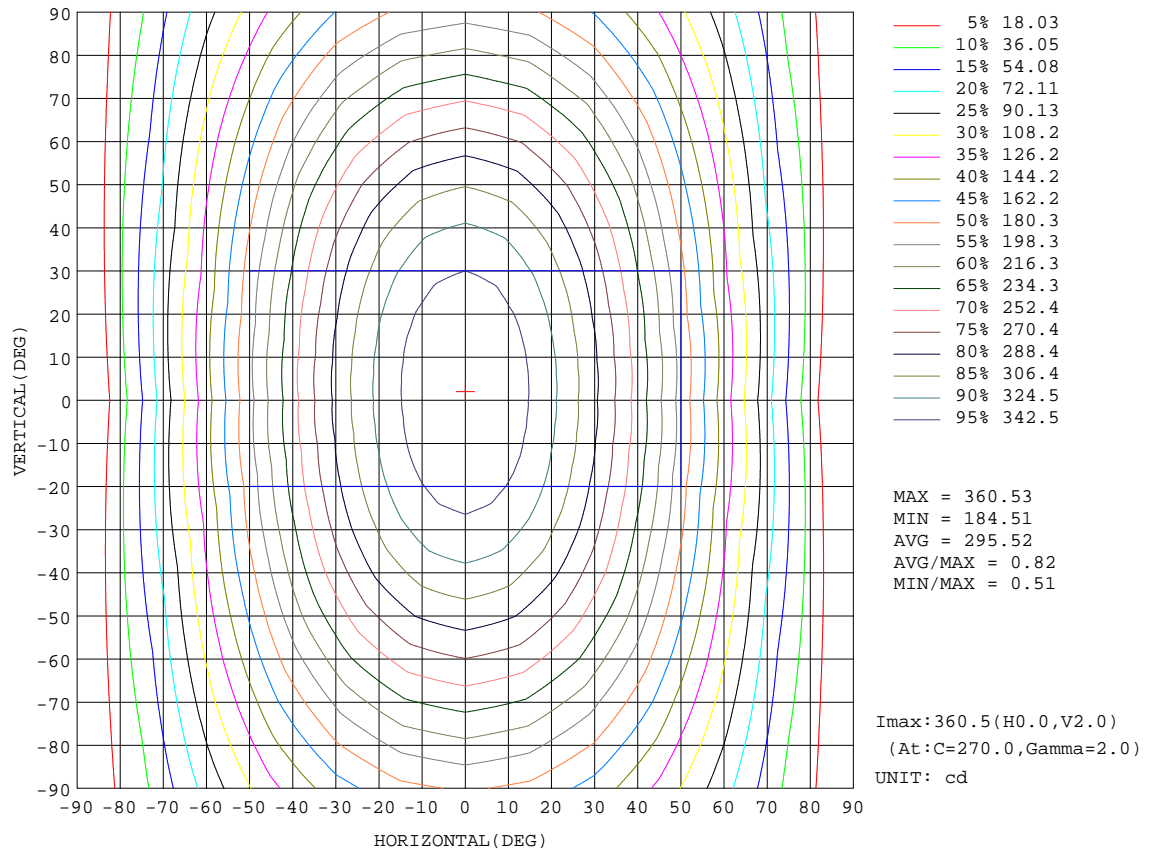
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	27	45	34	27	43	33	26	19
0.80	56	43	34	54	42	34	51	40	33	25
1.00	63	50	42	61	49	41	57	49	40	31
1.25	70	57	49	68	56	48	63	53	46	36
1.50	75	63	54	72	61	53	67	58	51	39
2.00	82	71	63	79	69	61	73	65	58	45
2.50	87	77	69	83	74	67	76	69	63	49
3.00	91	81	74	87	78	71	80	73	67	53
4.00	96	87	81	91	84	78	83	78	73	57
5.00	99	92	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

$\gamma$  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:

## ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2474A P:25.91W PF:0.8727 Freq:60.00Hz Lamp Flux:1772.89x1 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

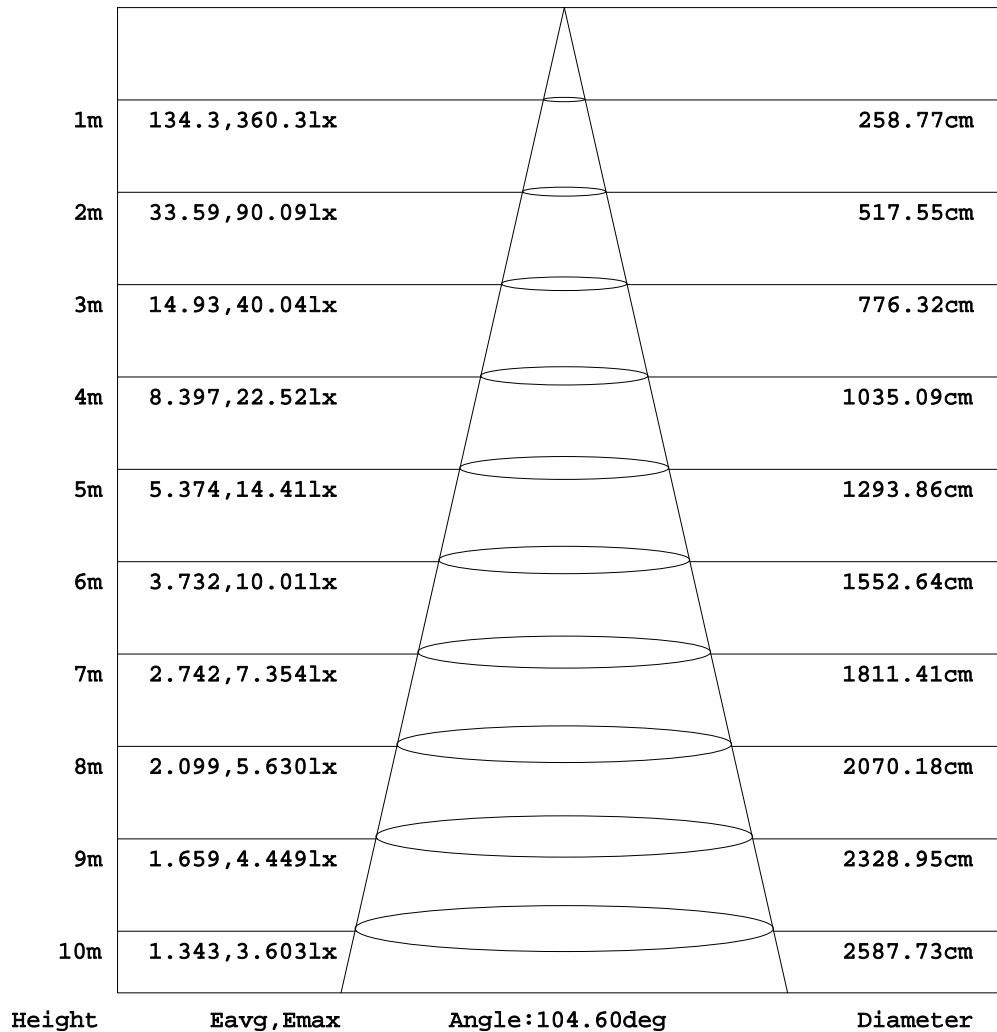
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 41.5%  
 Test Distance: 2.500m [K=1.0250]  
 Remarks:



## AAI Figure

Test:U:120.0V I:0.2474A P:25.91W PF:0.8727 Freq:60.00Hz Lamp Flux:1772.89x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

Flux out:743.3 lm



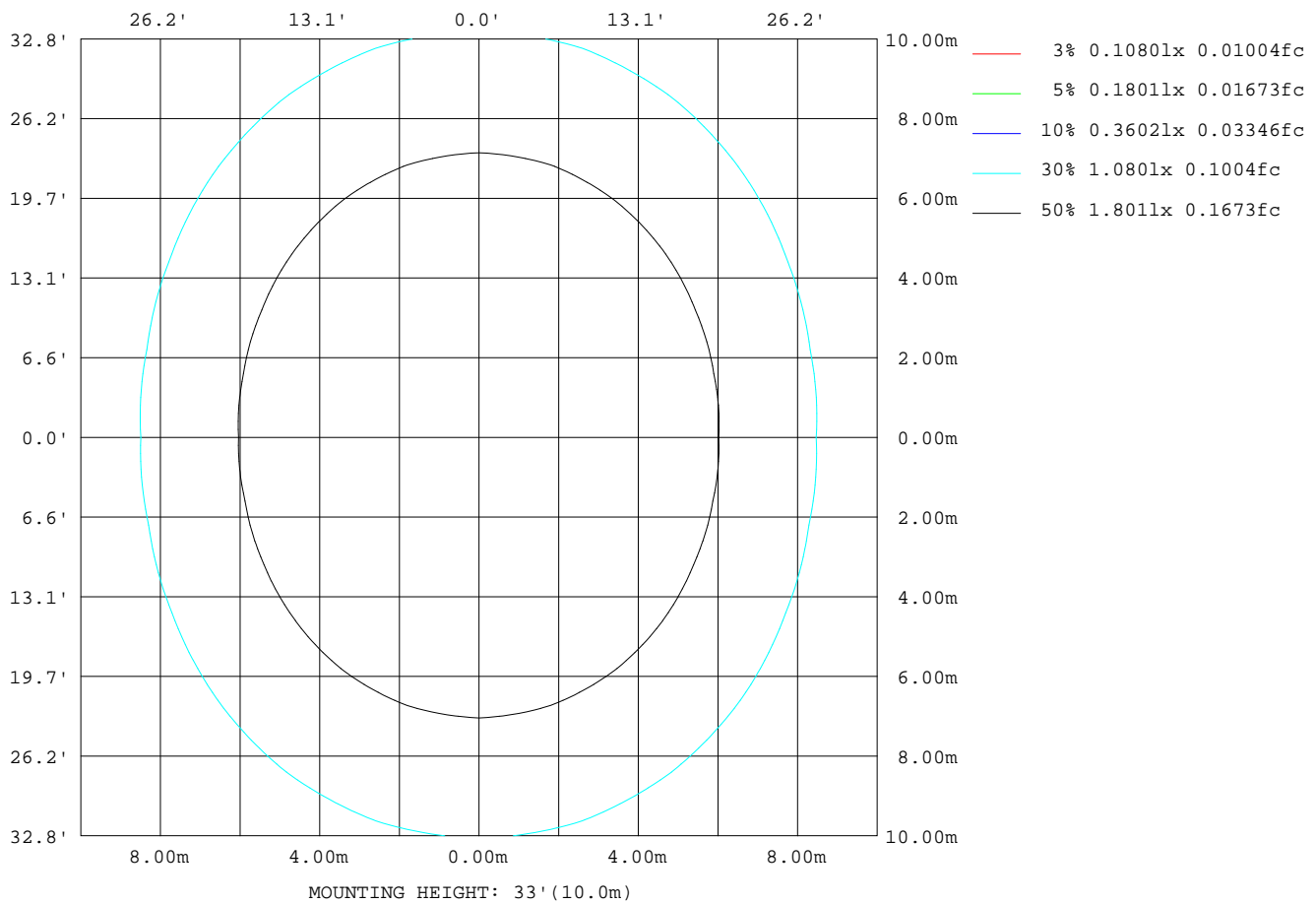
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2474A P:25.91W PF:0.8727 Freq:60.00Hz Lamp Flux:1772.89x1 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:0.2474A P:25.91W PF:0.8727 Freq:60.00Hz Lamp Flux:1772.89x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

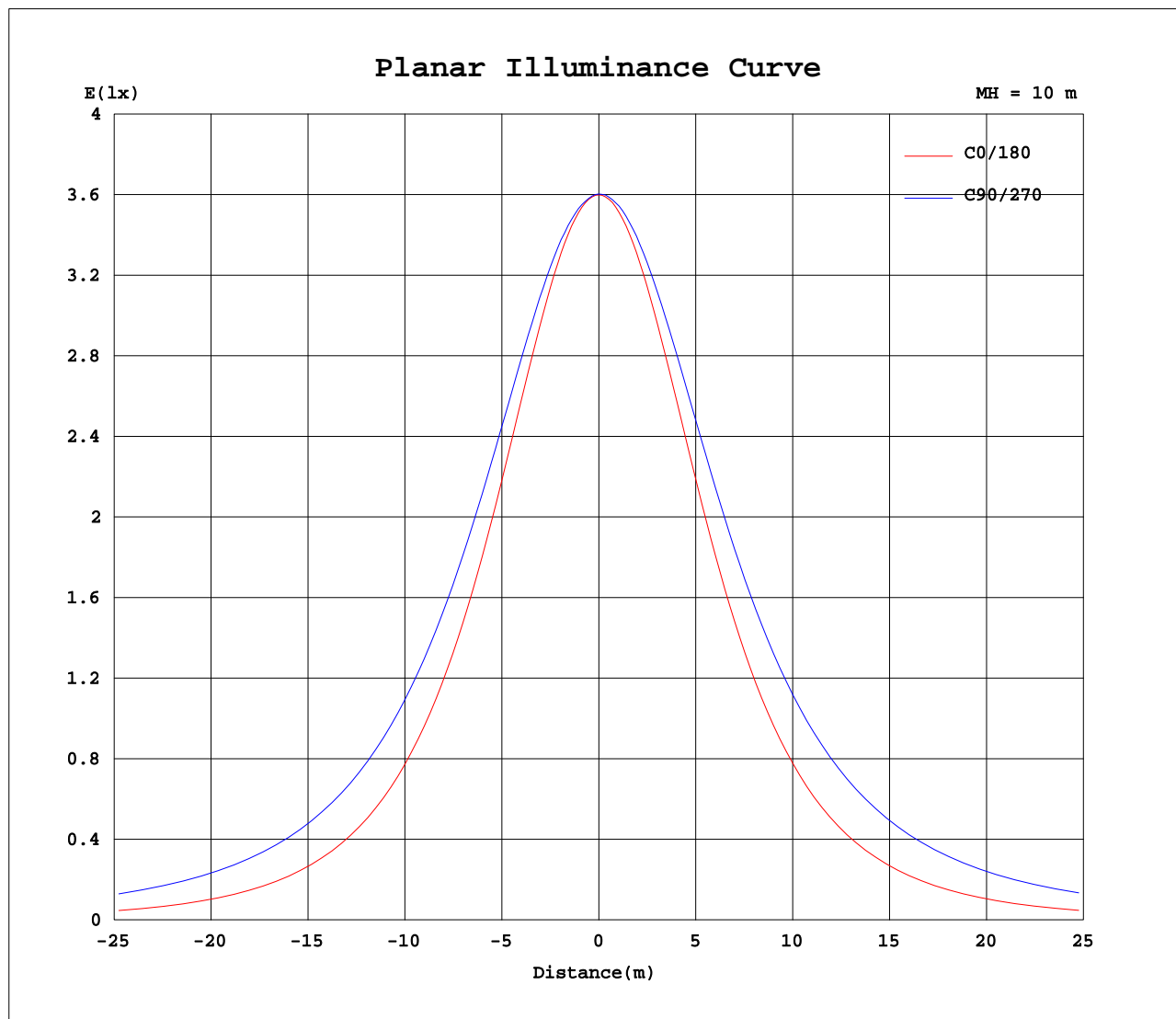
AvgL	cd/m2
L_0~180(65)av	7165
L_0~180(75)av	5637
L_0~180(85)av	2488
L_90~270(65)av	17422
L_90~270(75)av	25247
L_90~270(85)av	65257
L_45(65)av	13398
L_45(75)av	18249
L_45(85)av	44596

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

$\gamma$  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:0.2474A P:25.91W PF:0.8727 Freq:60.00Hz Lamp Flux:1772.89x1 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	358	358	358	358	359	358	359	359	359	360
10	352	352	353	354	356	357	357	357	356	354	353	352	352	353	354	356	357	358	359
15	342	342	344	347	351	353	354	353	351	348	345	342	342	343	346	350	353	355	357
20	328	330	333	339	344	348	350	348	344	339	333	329	328	331	335	342	347	351	353
25	311	313	319	328	336	342	344	342	336	328	319	313	311	315	322	331	340	346	348
30	291	294	303	315	326	334	338	335	326	315	303	294	292	296	306	319	330	339	342
35	269	273	285	300	315	326	330	326	315	300	285	273	270	275	288	305	320	331	335
40	244	250	265	285	303	316	320	316	303	285	265	250	246	253	269	290	309	322	327
45	218	226	244	268	289	304	309	304	289	268	244	226	220	228	249	274	296	311	316
50	191	200	223	251	274	291	297	291	275	251	223	201	193	203	228	257	282	299	305
55	163	174	201	233	260	278	284	278	260	233	202	175	165	178	206	240	268	286	293
60	135	148	180	215	244	264	270	264	244	215	180	149	137	152	185	222	253	272	279
65	106	123	160	198	229	249	256	249	229	198	160	124	108	127	165	204	237	258	265
70	77.6	98.7	140	181	213	234	241	234	213	181	140	99.5	80.0	103	146	187	222	243	251
75	50.3	76.2	122	165	198	219	227	219	198	164	122	76.8	53.0	80.8	128	171	206	228	236
80	25.7	56.8	105	149	183	204	212	204	183	149	105	57.2	28.3	61.3	111	156	191	213	221
85	6.86	41.5	91.1	135	169	190	197	190	168	135	90.7	41.6	8.49	45.7	96.7	142	177	198	206
90	0.13	31.0	78.8	122	155	176	183	176	155	122	78.5	30.8	0.16	34.7	84.3	129	163	184	191
95	0.47	24.8	68.8	110	142	162	168	162	141	110	68.4	24.5	0.52	28.1	74.2	117	149	170	177
100	1.27	20.8	60.8	99.3	129	148	155	148	129	98.8	60.3	20.6	1.24	23.8	65.8	106	137	156	163
105	2.42	17.2	54.0	89.5	118	136	142	135	117	89.1	53.7	17.1	2.34	20.0	58.8	95.7	125	143	149
110	3.97	14.5	47.7	80.5	107	123	129	123	106	80.3	47.5	14.3	3.85	16.8	52.3	86.6	114	131	136
115	5.99	14.3	42.2	71.9	95.5	111	117	111	95.9	71.8	42.1	13.9	5.82	16.1	46.5	77.6	103	118	124
120	8.16	14.9	37.1	63.8	85.6	99.7	104	99.7	85.4	63.8	37.1	14.3	7.94	16.6	41.3	69.2	91.8	106	111
125	10.3	15.8	32.6	56.3	75.7	88.1	92.6	88.1	75.6	56.3	32.6	15.2	10.1	17.2	36.4	61.4	81.4	94.3	98.5
130	12.3	16.7	30.0	49.1	66.1	77.2	81.1	77.2	66.2	49.3	29.7	16.2	12.1	16.2	33.2	53.9	71.6	82.9	86.6
135	13.9	17.6	28.0	42.4	57.2	66.7	70.1	66.8	57.2	42.6	27.6	17.2	13.8	17.2	30.9	46.9	62.2	72.1	75.4
140	15.1	18.4	26.4	37.6	48.5	56.8	59.7	56.9	48.8	37.5	26.0	18.1	14.9	18.3	29.0	41.4	53.3	61.8	64.5
145	16.0	19.1	25.3	33.6	41.8	47.6	49.9	47.6	41.8	33.4	24.9	19.0	16.2	18.5	26.3	36.8	45.9	52.1	54.5
150	16.7	19.8	24.5	30.4	36.3	40.6	42.3	40.7	36.2	30.0	24.2	19.7	17.3	18.9	22.0	32.8	39.6	44.5	46.5
155	17.4	20.4	23.9	28.0	31.9	34.8	36.0	34.9	31.8	27.7	23.8	20.4	18.1	18.5	23.9	29.0	34.2	38.0	39.7
160	18.1	20.6	23.6	26.1	28.7	30.4	31.1	30.4	28.5	26.0	23.6	20.4	18.9	17.7	23.5	24.9	29.8	32.6	34.1
165	17.1	18.5	23.4	24.7	26.1	27.2	27.6	27.2	26.2	24.8	22.6	18.0	17.3	16.5	21.0	24.2	25.1	28.4	29.5
170	14.5	14.7	19.6	23.2	24.3	24.8	25.0	24.9	23.8	19.5	16.7	14.5	14.3	14.3	15.2	17.5	21.6	23.9	25.9
175	12.5	12.5	12.8	14.1	19.5	21.8	20.1	18.7	12.9	12.2	12.2	12.3	12.4	12.4	12.5	12.4	12.4	13.6	17.4
180	19.2	18.8	17.1	13.5	11.4	6.94	0.00	5.77	10.5	14.5	16.9	18.7	17.9	17.9	17.5	16.1	13.8	9.81	5.05

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:0.2474A P:25.91W PF:0.8727 Freq:60.00Hz Lamp Flux:1772.89x1 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	360	359	359	358	358														
10	358	357	355	354	352														
15	356	353	349	345	343														
20	351	347	341	335	330														
25	346	339	330	321	314														
30	339	330	318	305	295														
35	331	320	304	287	274														
40	322	308	289	267	251														
45	311	295	272	247	227														
50	299	281	255	226	201														
55	286	266	238	204	175														
60	272	251	220	183	149														
65	258	236	202	162	124														
70	243	220	185	142	99.1														
75	228	204	169	124	76.5														
80	213	189	153	107	56.7														
85	198	175	139	92.7	41.3														
90	183	161	126	80.6	30.7														
95	169	148	114	70.7	24.8														
100	156	135	103	62.7	20.8														
105	142	123	93.4	55.8	17.3														
110	130	112	84.1	49.5	14.9														
115	117	101	75.4	44.0	14.9														
120	105	90.4	67.2	39.0	15.3														
125	93.5	80.1	59.6	34.5	15.6														
130	82.2	70.4	52.3	32.0	15.7														
135	71.5	61.1	45.5	29.9	16.6														
140	61.3	52.5	40.6	28.3	17.8														
145	52.0	45.6	36.6	26.4	18.3														
150	44.8	40.1	33.5	25.2	18.6														
155	38.8	35.8	31.1	25.3	19.7														
160	33.8	32.0	29.2	25.8	21.1														
165	29.6	28.8	27.3	24.8	21.5														
170	26.2	26.0	25.0	23.3	18.6														
175	21.4	22.5	20.2	14.5	12.8														
180	6.26	7.01	10.4	13.7	16.2														

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: