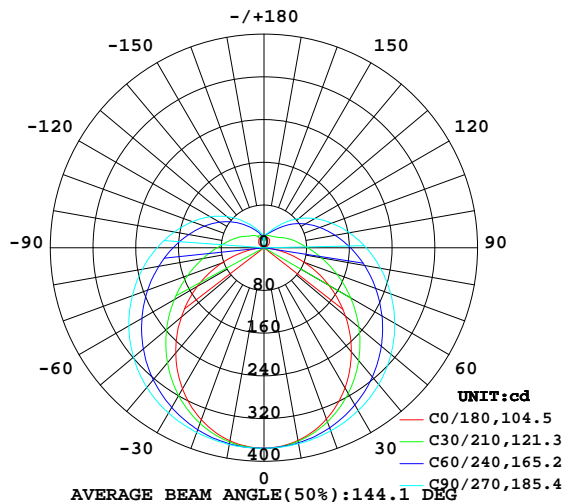


## LUMINAIRE PHOTOMETRIC TEST REPORT

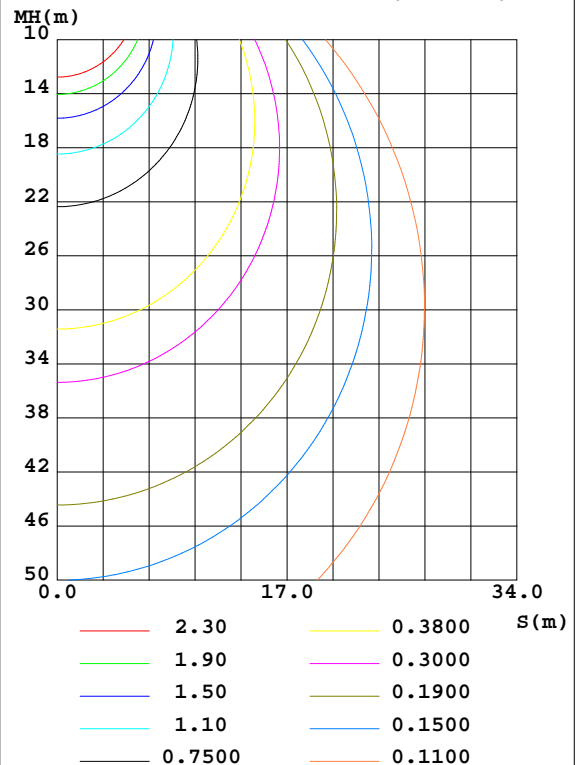
Test:U:120.0V I:0.2442A P:25.49W PF:0.8699 Freq:60.00Hz Lamp Flux:1854.47x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 72.75 lm/W			
MODEL	C06015301A	Imax(cd)	375.8	S/MH(C0/180)	1.22
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.43
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1854.5	$\eta$ UP,DN(C0-180)	10.8,38.4
NOMINAL FLUX(lm)	1854.47	CIE CLASS	SEMI-D.	$\eta$ UP,DN(C180-360)	11.5,39.3
LAMPS INSIDE	1	$\eta$ up(%)	22.3	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	$\eta$ down(%)	77.7	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	366.5	369.4	372.5	370.0	367.1	370.7	374.4	370.5	0- 10	35.59	35.59	1.92,1.92
20	341.4	353.1	364.9	353.8	342.8	356.4	368.2	355.8	10- 20	102.7	138.3	7.46,7.46
30	303.3	327.7	352.3	329.0	305.2	332.8	357.5	331.7	20- 30	158.4	296.7	16,16
40	254.5	296.5	334.0	297.7	257.0	302.7	341.3	301.1	30- 40	197.2	493.9	26.6,26.6
50	199.1	261.1	310.4	262.5	201.8	268.3	319.1	266.3	40- 50	216.5	710.3	38.3,38.3
60	140.2	224.1	282.5	225.7	143.6	232.0	292.2	230.0	50- 60	216.3	926.6	50,50
70	80.29	188.2	252.5	189.8	84.44	195.9	262.3	193.9	60- 70	199.9	1126	60.7,60.7
80	26.26	155.3	221.7	156.8	30.17	163.0	231.2	160.9	70- 80	172.6	1299	70.1,70.1
90	0.1297	127.1	191.6	128.2	0.1620	134.3	200.1	132.4	80- 90	142.1	1441	77.7,77.7
100	1.364	103.4	162.4	104.2	1.247	110.3	170.7	108.5	90-100	115.8	1557	84,84
110	4.243	83.86	135.1	84.59	3.957	90.35	142.9	88.75	100-110	92.49	1649	88.9,88.9
120	8.623	66.54	109.8	67.29	8.231	72.29	116.3	70.92	110-120	71.17	1721	92.8,92.8
130	12.95	51.15	84.96	51.94	12.63	56.27	90.97	55.20	120-130	52.06	1773	95.6,95.6
140	16.63	39.34	62.58	39.55	15.76	43.25	67.78	42.87	130-140	35.77	1808	97.5,97.5
150	19.34	31.81	44.38	31.63	18.90	34.29	48.79	35.26	140-150	23.06	1832	98.8,98.8
160	20.72	27.40	32.65	27.38	20.47	24.93	35.78	30.70	150-160	13.98	1846	99.5,99.5
170	15.35	24.32	26.24	20.48	15.52	18.39	27.23	26.68	160-170	7.223	1853	99.9,99.9
180	20.14	14.12	0	16.03	18.85	16.94	5.501	10.94	170-180	1.736	1854	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 600.95 lm

%lum = 32.4%

%lamp = 32.4%

Conical surface Flux(120deg): 926.62 lm

%lum = 50.0%

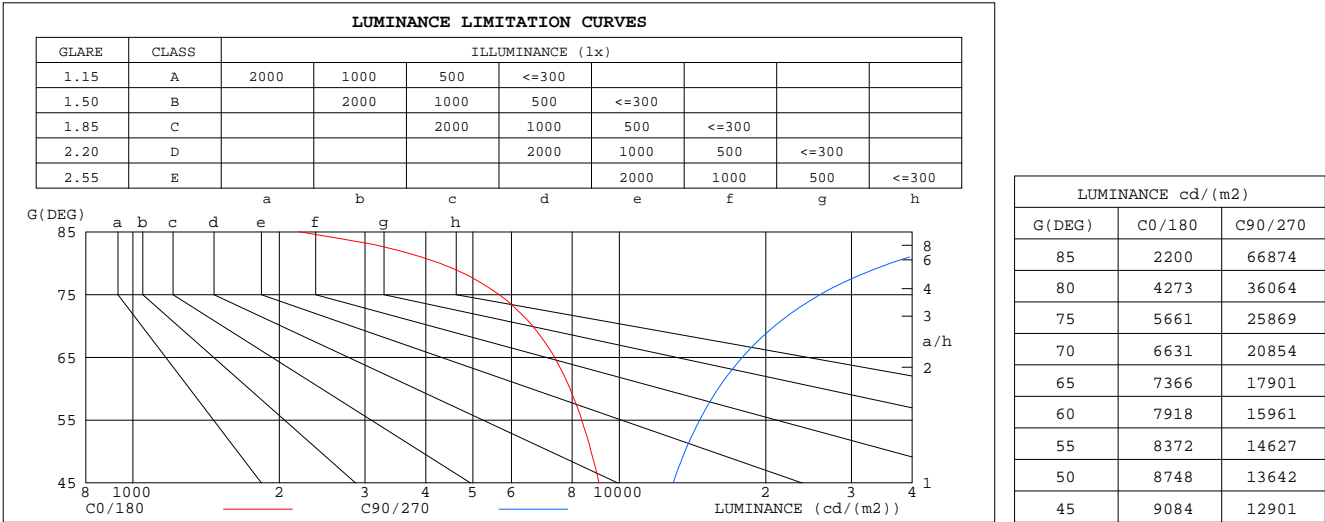
%lamp = 50.0%

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:0.2442A P:25.49W PF:0.8699 Freq:60.00Hz Lamp Flux:1854.47x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:



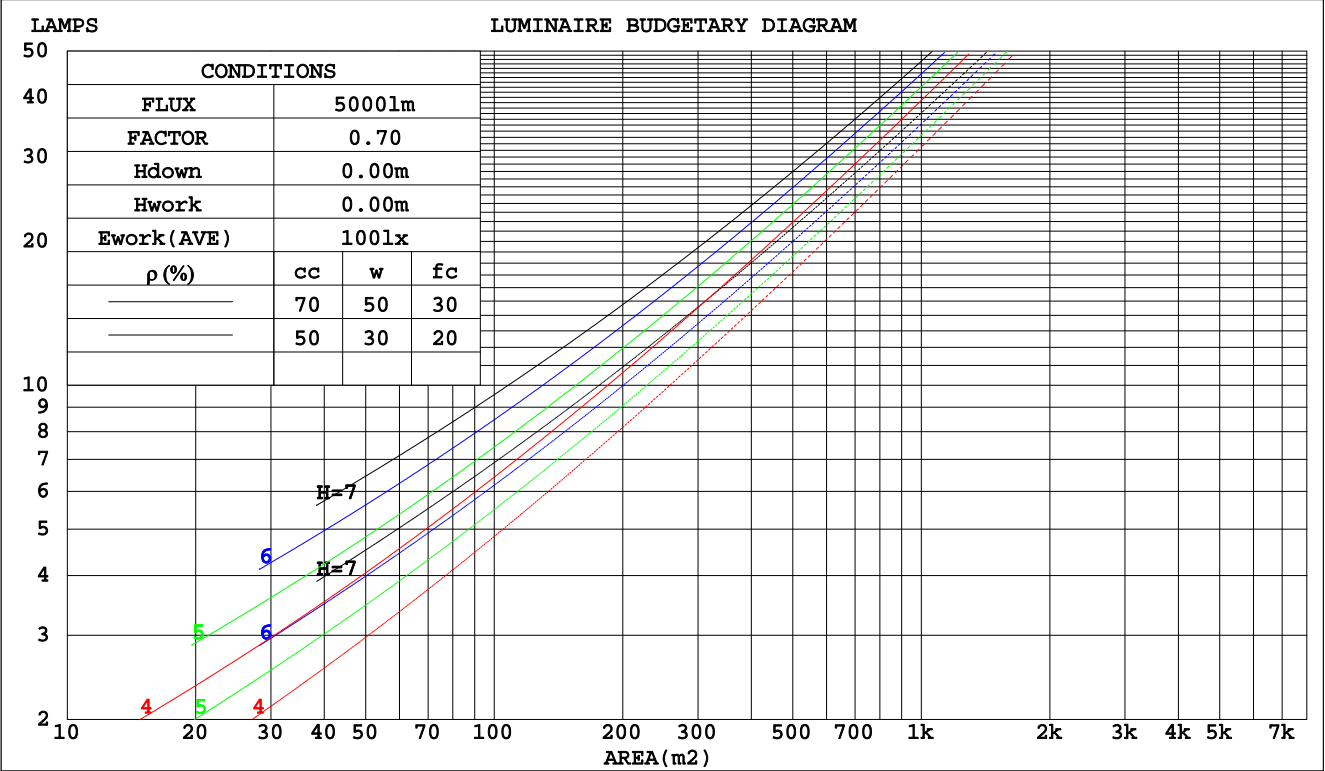
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:24.9DEG  
Operators:Alan Wang  
Test Date:27 December 2024

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:0.2442A P:25.49W PF:0.8699 Freq:60.00Hz Lamp Flux:1854.47x1 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	.61	.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	.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:0.2442A P:25.49W PF:0.8699 Freq:60.00Hz Lamp Flux:1854.47x1 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	.220	.070	.372	.212	.067	.346	.198	.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	.283	.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	.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	.153	.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	.144	.072	.021	.133	.068	.020	
10.0	.165	.079	.022	.158	.076	.021	.147	.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	.360	.360	.360	.308	.308	.308	.210	.210	.210	.121	.121	.121	.039	.039	.039	
1.0	.357	.327	.300	.305	.280	.258	.209	.193	.178	.120	.112	.104	.038	.036	.034	
2.0	.350	.304	.265	.300	.262	.229	.205	.181	.160	.118	.105	.094	.038	.034	.031	
3.0	.343	.288	.244	.294	.248	.212	.202	.172	.148	.116	.101	.087	.037	.033	.029	
4.0	.335	.275	.230	.287	.238	.200	.198	.166	.141	.114	.097	.083	.037	.032	.027	
5.0	.327	.266	.220	.281	.230	.192	.194	.161	.135	.112	.094	.080	.036	.031	.026	
6.0	.320	.258	.213	.275	.223	.186	.190	.156	.131	.110	.092	.078	.035	.030	.026	
7.0	.313	.251	.208	.269	.218	.181	.186	.153	.129	.108	.090	.077	.035	.029	.025	
8.0	.306	.246	.204	.264	.213	.178	.182	.150	.126	.106	.088	.075	.034	.029	.025	
9.0	.300	.241	.201	.258	.209	.176	.179	.147	.125	.104	.087	.074	.034	.028	.025	
10.0	.294	.237	.199	.254	.206	.173	.176	.145	.123	.103	.086	.074	.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:0.2442A P:25.49W PF:0.8699 Freq:60.00Hz Lamp Flux:1854.47x1 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	18.4	19.7	18.9	20.3	20.9	21.3	22.6	21.8	23.2	23.8
3H	19.7	20.9	20.3	21.5	22.2	24.1	25.3	24.7	25.9	26.6
4H	20.2	21.3	20.8	22.0	22.7	25.6	26.8	26.2	27.4	28.1
6H	20.5	21.6	21.1	22.2	22.9	27.3	28.4	27.9	29.0	29.8
8H	20.6	21.6	21.2	22.3	23.0	28.3	29.3	28.9	30.0	30.7
12H	20.6	21.6	21.2	22.2	23.0	29.3	30.4	30.0	31.0	31.8
4H 2H	19.7	20.9	20.3	21.5	22.2	21.8	22.9	22.4	23.6	24.3
3H	21.4	22.4	22.0	23.1	23.8	24.8	25.8	25.5	26.5	27.3
4H	22.1	23.0	22.8	23.7	24.5	26.6	27.5	27.3	28.2	29.0
6H	22.6	23.4	23.3	24.1	25.0	28.5	29.4	29.2	30.1	30.9
8H	22.8	23.5	23.5	24.3	25.1	29.6	30.4	30.3	31.1	31.9
12H	22.8	23.6	23.6	24.3	25.1	30.8	31.6	31.6	32.3	33.1
8H 4H	23.5	24.2	24.2	25.0	25.8	26.9	27.7	27.6	28.4	29.2
6H	24.5	25.1	25.2	25.9	26.7	29.2	29.8	29.9	30.6	31.4
8H	24.9	25.4	25.6	26.2	27.1	30.5	31.1	31.2	31.8	32.7
12H	25.1	25.7	25.9	26.4	27.4	32.0	32.5	32.8	33.3	34.2
12H 4H	23.9	24.6	24.6	25.4	26.2	26.9	27.6	27.6	28.4	29.2
6H	25.2	25.8	26.0	26.5	27.4	29.3	29.9	30.0	30.6	31.5
8H	25.8	26.3	26.6	27.1	28.0	30.7	31.2	31.5	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, 1854 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 2.1$ )  
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:0.2442A P:25.49W PF:0.8699 Freq:60.00Hz Lamp Flux:1854.47x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

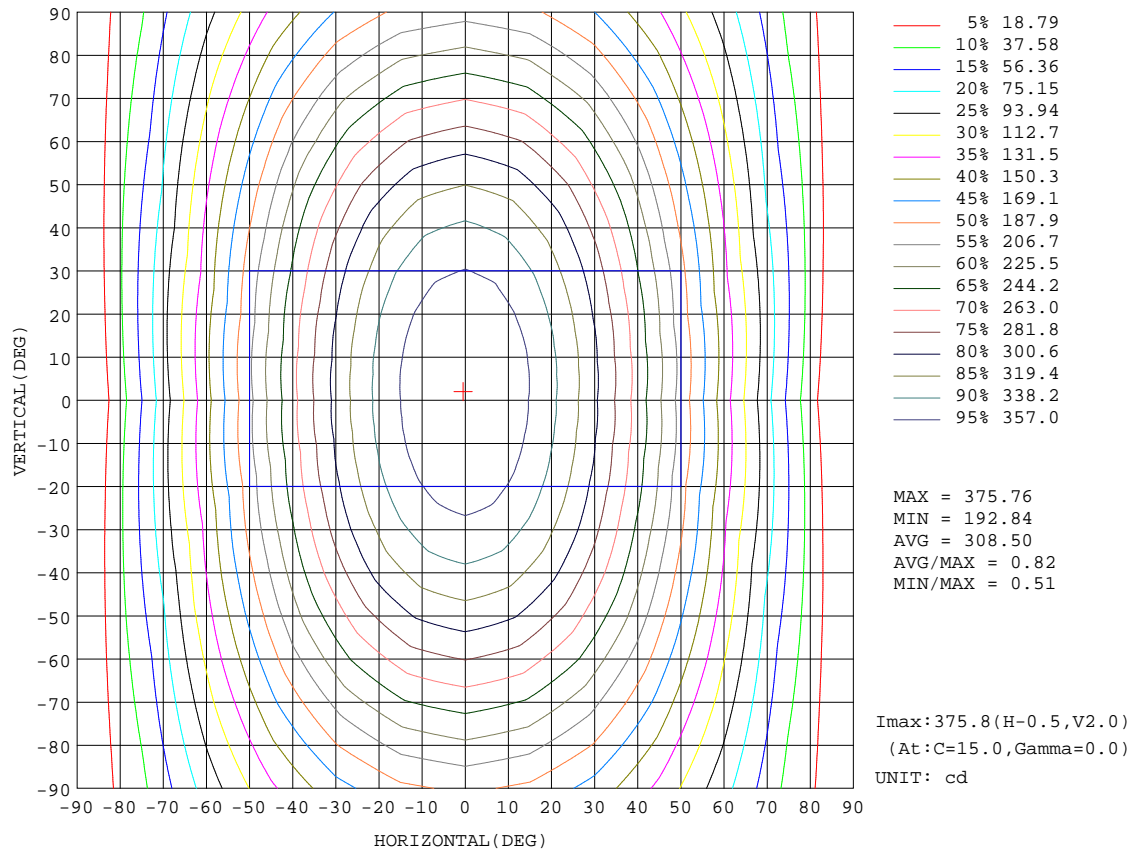
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	27	45	34	27	43	32	26	19
0.80	56	42	34	54	42	34	51	40	33	25
1.00	63	50	42	61	49	41	57	49	40	31
1.25	70	57	49	67	56	48	63	53	46	36
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	77	68	83	74	67	76	69	63	49
3.00	91	81	74	87	78	71	79	73	67	52
4.00	96	87	81	91	84	78	83	78	73	57
5.00	99	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

$\gamma$  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:0.2442A P:25.49W PF:0.8699 Freq:60.00Hz Lamp Flux:1854.47x1 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

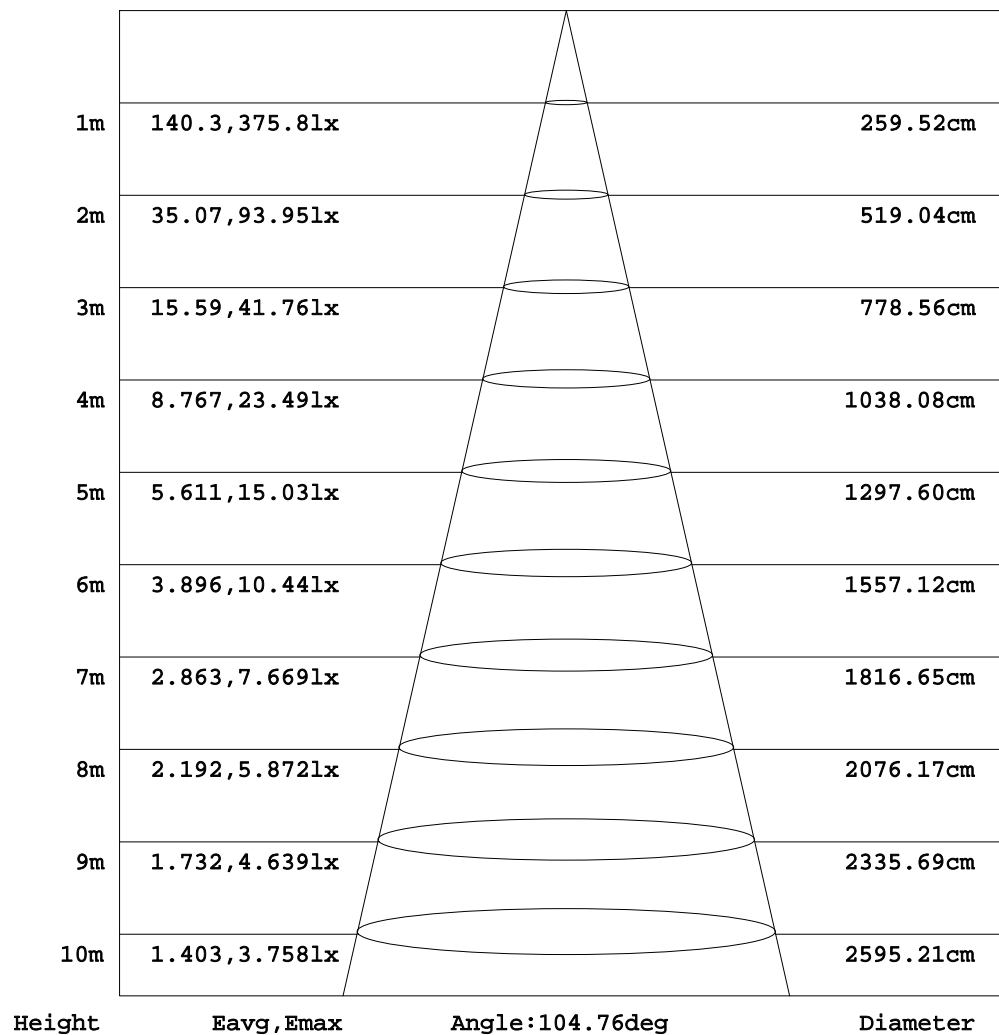
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 41.5%  
 Test Distance: 2.500m [K=1.0250]  
 Remarks:



## AAI Figure

Test:U:120.0V I:0.2442A P:25.49W PF:0.8699 Freq:60.00Hz Lamp Flux:1854.47x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

Flux out:776.1 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

 $\gamma$  Range: 0 - 180DEG $\gamma$  Interval: 1.0DEG

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

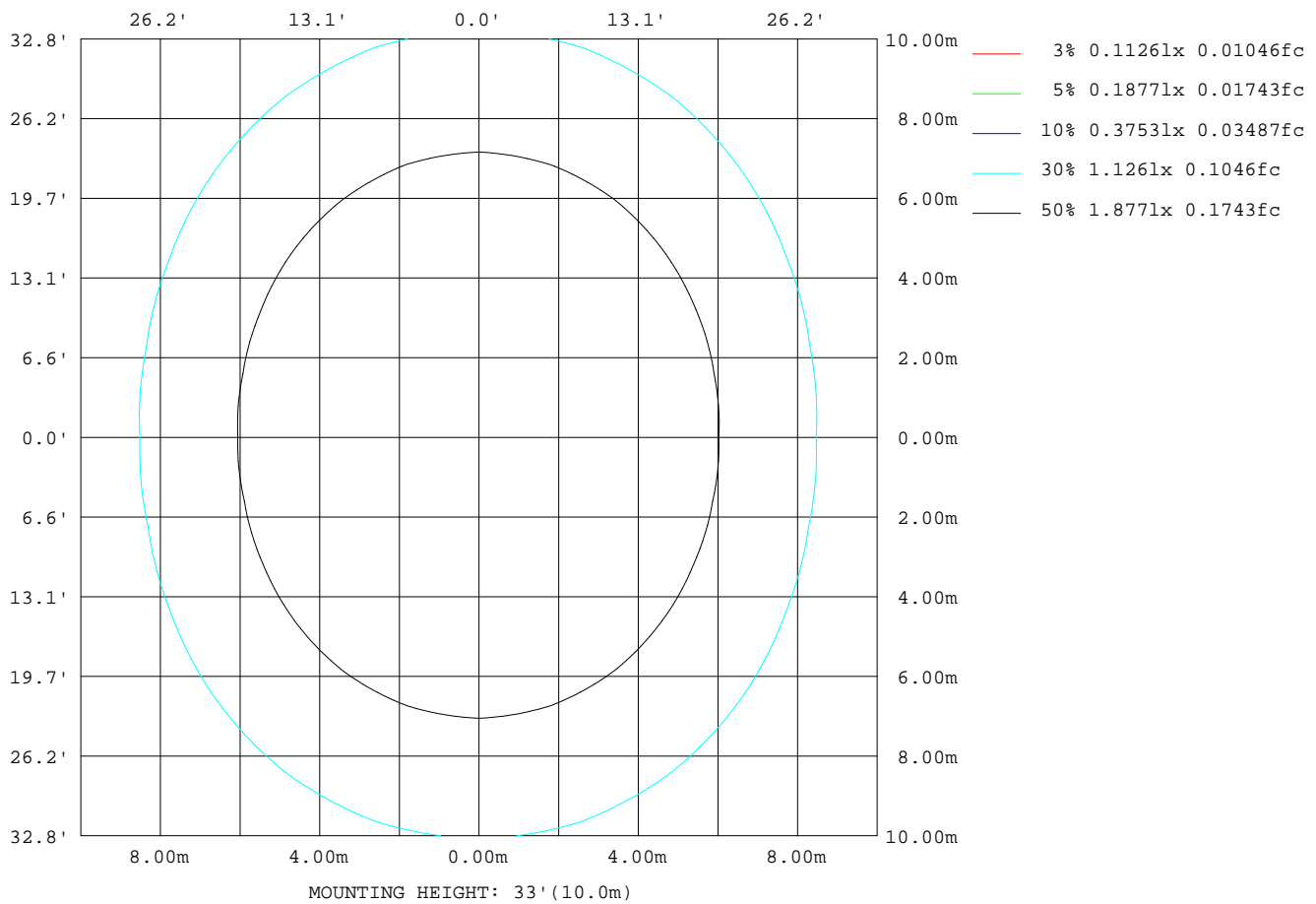
Humidity: 41.5%

Test Distance: 2.500m [K=1.0250]

Remarks:

## ISOLUX DIAGRAM

Test:U:120.0V I:0.2442A P:25.49W PF:0.8699 Freq:60.00Hz Lamp Flux:1854.47x1 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:0.2442A P:25.49W PF:0.8699 Freq:60.00Hz Lamp Flux:1854.47x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

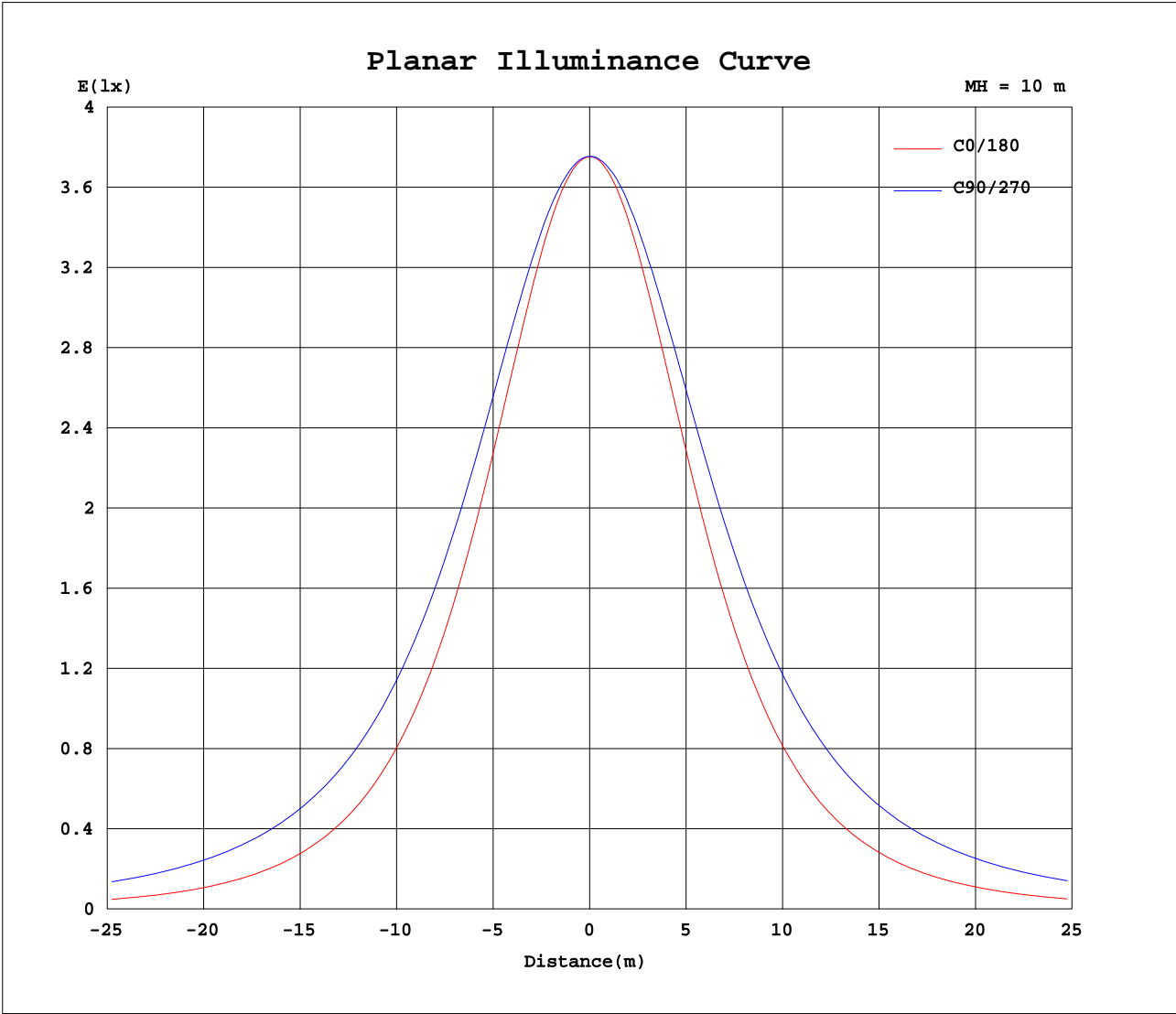
AvgL	cd/m2
L_0~180(65)av	7491
L_0~180(75)av	5890
L_0~180(85)av	2602
L_90~270(65)av	18233
L_90~270(75)av	26412
L_90~270(85)av	68427
L_45(65)av	14013
L_45(75)av	19100
L_45(85)av	46718

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:0.2442A P:25.49W PF:0.8699 Freq:60.00Hz Lamp Flux:1854.47x1 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	375	376	376	376	375	376	376	375	376	375	376	376	375	376	376	376	375	376	376
5	373	373	374	374	374	375	375	374	374	374	374	374	373	374	374	375	375	375	375
10	366	367	368	369	371	372	373	372	371	370	369	368	367	368	369	371	373	374	374
15	356	357	359	362	366	368	369	368	366	363	360	357	357	358	361	365	369	371	372
20	341	343	347	353	359	363	365	363	360	354	348	344	343	345	350	356	363	367	368
25	324	326	332	341	350	357	359	357	351	342	334	327	326	329	336	346	355	361	363
30	303	306	315	328	340	349	352	349	341	329	317	308	305	310	320	333	345	354	358
35	280	284	296	313	329	340	344	340	329	314	298	286	282	288	301	319	334	346	350
40	255	260	276	296	316	329	334	329	317	298	278	262	257	265	281	303	323	336	341
45	227	235	254	279	302	317	323	318	303	280	256	237	230	239	260	286	309	326	331
50	199	208	232	261	287	304	310	304	288	263	234	210	202	213	238	268	295	313	319
55	170	181	210	243	271	290	297	291	272	244	212	184	173	186	216	250	279	299	306
60	140	154	188	224	255	275	283	276	256	226	190	157	144	159	194	232	264	285	292
65	110	127	166	206	239	260	268	261	240	208	168	130	114	133	173	214	248	270	278
70	80.3	102	145	188	223	245	252	245	223	190	148	105	84.4	108	152	196	232	255	262
75	51.9	78.5	126	171	207	229	237	229	207	173	128	81.3	56.1	84.4	133	179	216	239	247
80	26.3	58.3	109	155	191	214	222	214	192	157	111	60.9	30.2	64.0	116	163	200	224	231
85	6.79	42.4	94.4	141	176	199	206	199	177	142	95.9	44.6	9.27	47.6	101	148	185	208	216
90	0.13	31.6	81.6	127	162	184	192	184	162	128	82.9	33.2	0.16	35.9	88.0	134	170	193	200
95	0.51	25.4	71.3	115	148	169	177	170	149	116	72.4	26.4	0.49	29.0	77.3	122	156	178	185
100	1.36	21.2	63.0	103	135	155	162	156	136	104	63.9	22.2	1.25	24.4	68.6	110	143	164	171
105	2.59	17.6	56.0	93.2	123	142	149	142	123	94.0	56.9	18.5	2.39	20.5	61.3	99.9	131	150	156
110	4.24	14.9	49.5	83.9	111	129	135	129	112	84.6	50.4	15.5	3.96	17.2	54.5	90.3	119	137	143
115	6.35	14.8	43.7	74.9	100	117	123	117	101	75.7	44.6	14.9	6.01	16.6	48.5	81.1	107	124	130
120	8.62	15.5	38.5	66.5	89.4	104	110	105	89.9	67.3	39.4	15.2	8.23	17.2	43.0	72.3	96.1	111	116
125	10.9	16.5	33.8	58.6	79.0	92.3	97.2	92.6	79.5	59.4	34.6	16.1	10.5	17.8	37.8	64.1	85.3	98.9	103
130	13.0	17.5	31.3	51.2	69.1	80.8	85.0	81.1	69.6	51.9	31.5	17.1	12.6	17.4	34.6	56.3	75.0	87.0	91.0
135	14.8	18.4	29.2	44.2	59.7	69.9	73.5	70.1	60.2	44.9	29.2	18.1	14.1	16.7	32.2	49.0	65.2	75.6	79.1
140	16.6	19.3	27.7	39.3	50.7	59.4	62.6	59.7	51.3	39.6	27.4	19.1	15.8	19.1	30.3	43.2	55.9	64.8	67.8
145	18.2	20.1	26.5	35.1	43.7	49.8	52.3	50.1	44.0	35.2	26.3	20.0	17.4	19.4	27.7	38.5	48.0	54.7	57.2
150	19.3	20.8	25.7	31.8	38.0	42.6	44.4	42.7	38.1	31.6	25.5	20.8	18.9	19.8	24.4	34.3	41.5	46.7	48.8
155	20.1	21.4	25.1	29.3	33.4	36.5	37.8	36.6	33.4	29.2	25.1	21.4	19.8	19.4	24.3	30.7	35.8	39.9	41.7
160	20.7	21.6	24.7	27.4	30.1	31.9	32.6	32.0	30.0	27.4	24.7	21.4	20.5	18.9	24.5	24.9	31.3	34.2	35.8
165	18.9	19.3	24.5	26.0	27.4	28.5	28.9	28.6	27.5	26.0	23.7	19.0	19.0	17.9	22.0	25.4	25.5	29.8	31.0
170	15.3	15.4	20.5	24.3	25.6	26.0	26.2	26.1	25.1	20.5	17.4	15.2	15.5	15.4	16.0	18.4	22.5	24.9	27.2
175	13.2	13.1	13.4	14.8	20.3	22.9	21.1	19.7	13.5	12.8	12.8	12.9	13.1	13.1	13.1	13.1	13.1	14.3	17.8
180	20.1	19.6	17.9	14.1	11.9	8.15	0.00	1.92	11.0	16.0	18.7	21.2	18.8	18.8	18.4	16.9	14.6	10.3	5.50

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:0.2442A P:25.49W PF:0.8699 Freq:60.00Hz Lamp Flux:1854.47x1 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	375	376	375	376	376														
5	375	375	374	374	374														
10	373	372	370	369	368														
15	370	368	364	361	358														
20	366	362	356	349	344														
25	361	354	345	335	328														
30	354	344	332	319	308														
35	345	334	317	300	286														
40	336	322	301	279	262														
45	325	308	284	258	237														
50	312	294	266	236	210														
55	299	279	248	213	183														
60	285	263	230	191	156														
65	270	247	212	169	129														
70	254	231	194	149	104														
75	238	215	177	130	80.2														
80	223	199	161	113	59.7														
85	207	183	146	97.7	43.7														
90	192	169	132	85.0	32.8														
95	178	155	120	74.7	26.5														
100	163	142	109	66.4	22.3														
105	150	130	98.3	59.1	18.6														
110	136	118	88.8	52.5	16.1														
115	123	106	79.5	46.6	16.0														
120	111	95.1	70.9	41.4	16.4														
125	98.3	84.4	62.8	36.6	16.7														
130	86.5	74.1	55.2	33.9	16.7														
135	75.2	64.4	48.1	31.7	17.6														
140	64.5	55.3	42.9	29.9	18.8														
145	54.7	48.0	38.5	28.0	19.9														
150	47.1	42.2	35.3	26.6	20.2														
155	40.8	37.6	32.8	26.7	21.0														
160	35.6	33.7	30.7	27.3	22.4														
165	31.1	30.3	28.7	26.5	22.9														
170	27.5	27.4	26.7	24.7	19.9														
175	22.9	23.7	21.4	15.2	13.5														
180	6.54	7.25	10.9	14.4	17.0														

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%

Test Distance:2.500m [K=1.0250]

Remarks: