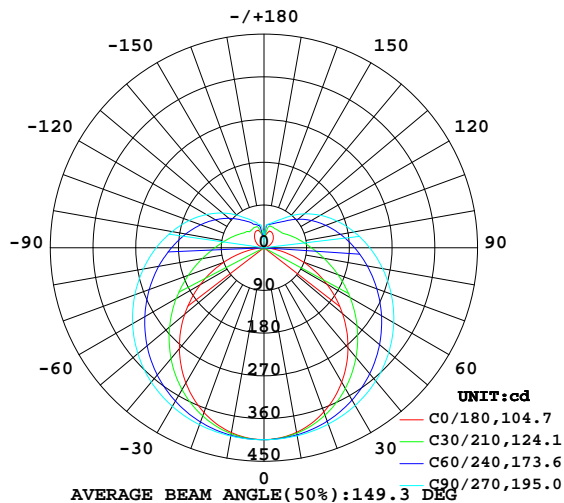


## LUMINAIRE PHOTOMETRIC TEST REPORT

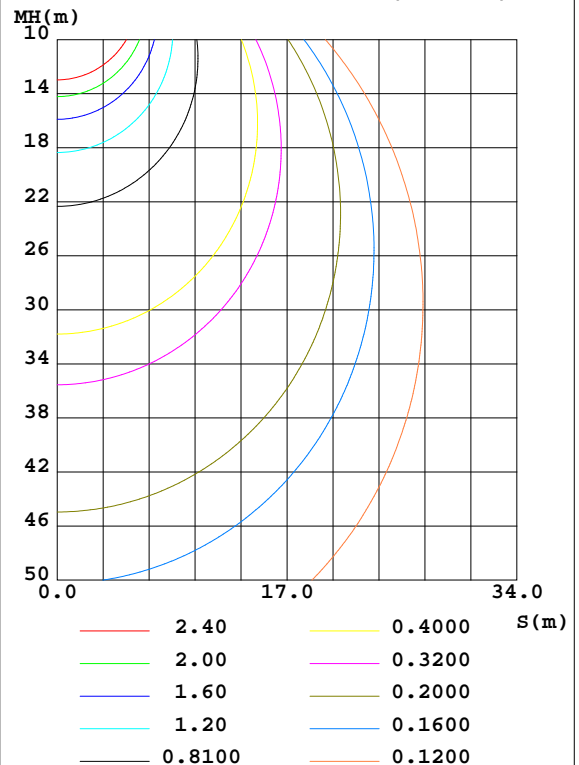
Test:U:120.0V I:0.2480A P:26.02W PF:0.8744 Freq:60.00Hz Lamp Flux:2114.96x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 81.28 lm/W			
MODEL	C06018302A	Imax(cd)	404.6	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)	2115.0	$\eta$ UP,DN(C0-180)	12.4,37.2
NOMINAL FLUX(lm)	2114.96	CIE CLASS	SEMI-D.	$\eta$ UP,DN(C180-360)	12.7,37.6
LAMPS INSIDE	1	$\eta$ up(%)	25.2	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	$\eta$ down(%)	74.8	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: 24.7DEG  
Operators: Alan Wang  
Test Date: 26 December 2024

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

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	394.9	398.4	402.3	398.9	395.5	399.5	402.8	399.1	0- 10	38.35	38.35	1.81,1.81
20	368.4	382.2	395.6	382.4	369.5	384.2	396.9	382.9	10- 20	110.8	149.1	7.05,7.05
30	327.4	357.0	383.8	356.6	329.0	359.8	386.0	357.4	20- 30	171.2	320.3	15.1,15.1
40	275.3	325.0	366.5	323.8	277.3	328.3	369.4	324.8	30- 40	213.8	534.1	25.3,25.3
50	216.0	288.9	343.1	286.7	218.1	292.8	346.9	288.1	40- 50	235.7	769.8	36.4,36.4
60	152.6	251.2	315.6	247.6	154.8	255.2	319.7	249.5	50- 60	236.9	1007	47.6,47.6
70	89.09	214.3	285.3	209.9	91.01	218.5	289.5	211.5	60- 70	220.9	1228	58,58
80	30.04	180.7	253.9	175.6	32.69	184.4	258.1	177.2	70- 80	193.3	1421	67.2,67.2
90	0.6860	151.7	222.9	146.5	1.084	155.4	227.1	148.3	80- 90	162.0	1583	74.8,74.8
100	3.908	127.5	192.9	122.5	3.759	131.1	196.8	124.6	90-100	135.3	1718	81.2,81.2
110	9.712	106.9	164.3	102.6	9.457	110.2	168.0	104.5	100-110	111.3	1829	86.5,86.5
120	17.63	88.79	137.1	85.20	17.16	91.83	140.2	87.02	110-120	88.99	1918	90.7,90.7
130	24.81	73.20	111.3	70.46	24.19	75.88	114.0	71.96	120-130	68.77	1987	94,94
140	30.76	61.12	87.62	59.53	31.22	63.10	90.16	61.33	130-140	50.90	2038	96.4,96.4
150	35.47	54.48	68.86	53.78	37.48	51.82	71.23	55.96	140-150	36.02	2074	98.1,98.1
160	37.26	50.73	57.40	50.75	39.34	48.67	58.64	53.26	150-160	24.15	2098	99.2,99.2
170	28.93	48.54	50.54	37.81	29.36	35.31	49.55	49.93	160-170	13.38	2112	99.8,99.8
180	40.02	26.66	3.793	29.84	37.09	33.03	14.97	22.14	170-180	3.353	2115	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 650.56 lm

%lum = 30.8%

%lamp = 30.8%

Conical surface Flux(120deg): 1006.7 lm

%lum = 47.6%

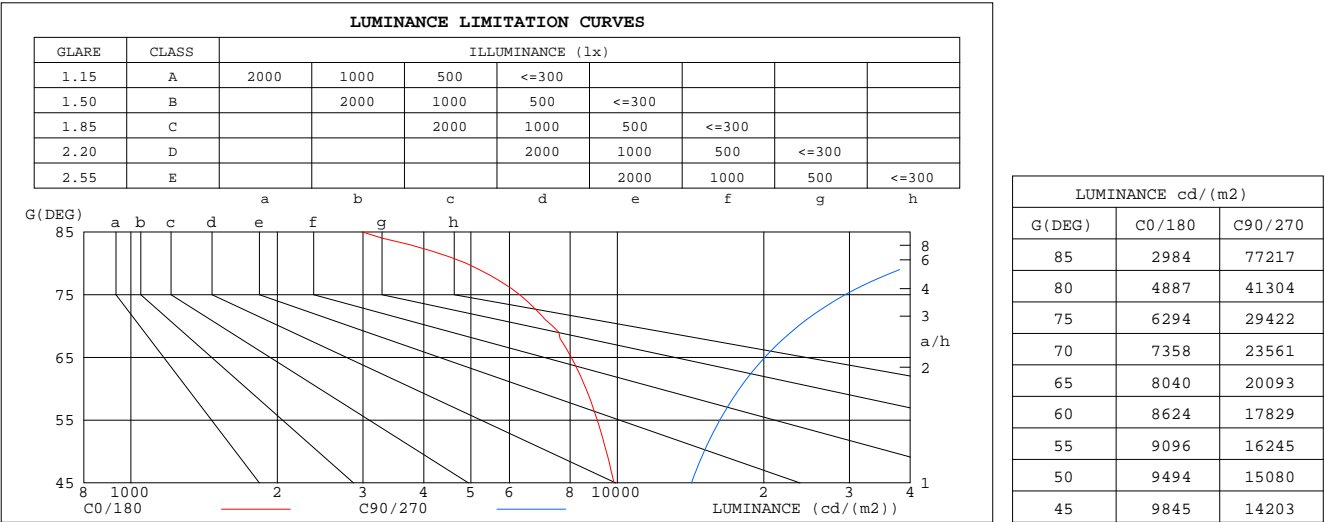
%lamp = 47.6%

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.2480A P:26.02W PF:0.8744 Freq:60.00Hz Lamp Flux:2114.96x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:



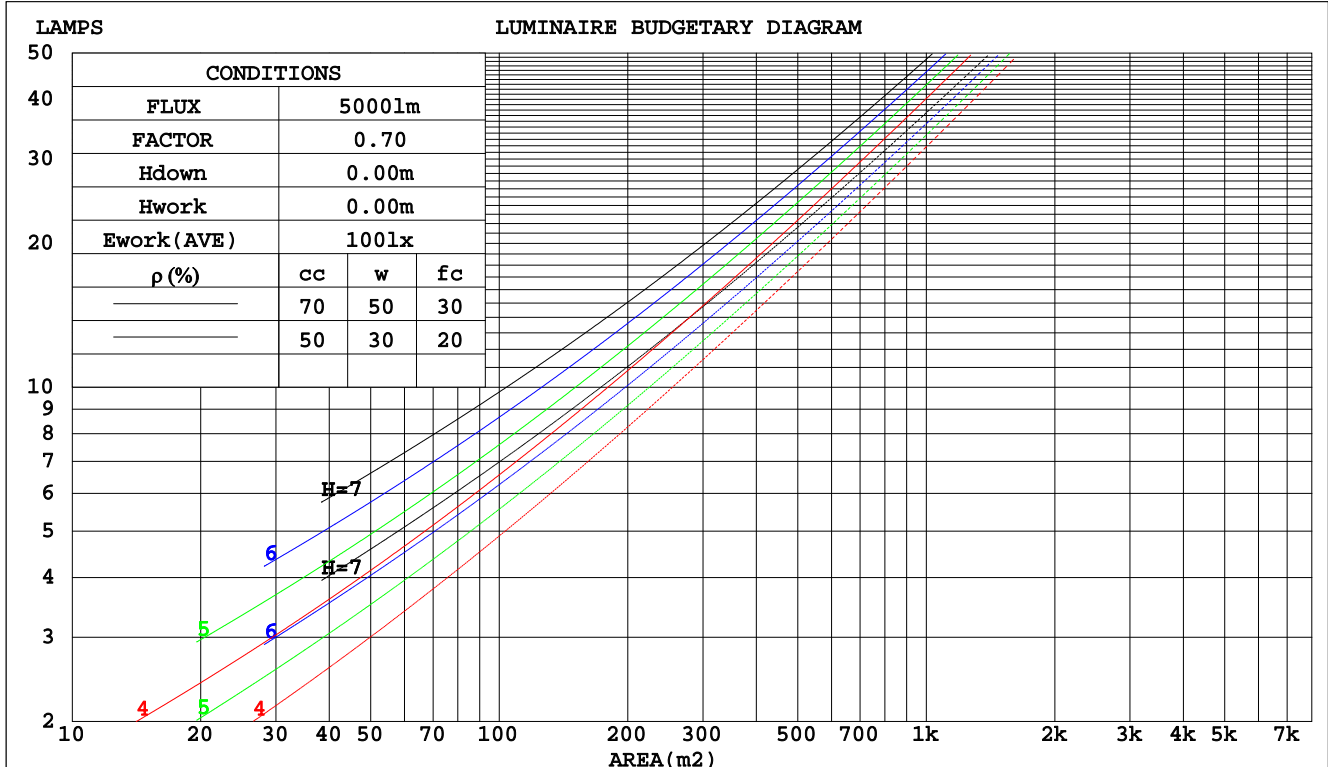
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 24.7DEG  
Operators: Alan Wang  
Test Date: 26 December 2024

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:0.2480A P:26.02W PF:0.8744 Freq:60.00Hz Lamp Flux:2114.96x1 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						Coefficients of Utilization(CU)									
0.0	1.13	1.13	1.13	1.08	1.08	1.08	.97	.97	.97	.88	.88	.88	.79	.79	.79	.75
1.0	.94	.89	.84	.89	.84	.80	.80	.76	.73	.72	.69	.66	.64	.62	.60	.56
2.0	.80	.72	.66	.76	.69	.63	.68	.63	.58	.61	.57	.53	.55	.51	.48	.44
3.0	.70	.61	.53	.66	.58	.51	.59	.53	.47	.53	.48	.43	.48	.43	.39	.36
4.0	.61	.52	.44	.58	.49	.43	.52	.45	.39	.47	.41	.36	.42	.37	.33	.30
5.0	.54	.45	.38	.51	.43	.36	.46	.39	.34	.42	.36	.31	.37	.32	.28	.26
6.0	.48	.39	.32	.46	.38	.31	.42	.34	.29	.38	.32	.27	.34	.29	.25	.22
7.0	.44	.35	.28	.42	.33	.27	.38	.31	.25	.34	.28	.24	.31	.26	.22	.19
8.0	.40	.31	.25	.38	.30	.24	.34	.27	.23	.31	.25	.21	.28	.23	.19	.17
9.0	.36	.28	.22	.35	.27	.22	.32	.25	.20	.29	.23	.19	.26	.21	.17	.15
10.0	.33	.25	.20	.32	.24	.19	.29	.23	.18	.27	.21	.17	.24	.19	.16	.14



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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.2480A P:26.02W PF:0.8744 Freq:60.00Hz Lamp Flux:2114.96x1 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	.343	.197	.063	.317	.183	.059	.293	.170	.055		
2.0	.332	.182	.056	.318	.175	.054	.293	.163	.051	.270	.151	.047	.248	.140	.044		
3.0	.294	.156	.047	.282	.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	.176	.094	.028		
6.0	.220	.110	.032	.211	.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	.077	.023		
8.0	.188	.092	.026	.180	.089	.025	.165	.083	.024	.151	.077	.022	.138	.071	.021		
9.0	.175	.085	.024	.168	.082	.023	.154	.076	.022	.141	.071	.020	.129	.066	.019		
10.0	.164	.079	.022	.157	.076	.021	.144	.071	.020	.133	.066	.019	.121	.061	.017		

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	.382	.382	.382	.327	.327	.327	.223	.223	.223	.128	.128	.128	.041	.041	.041	
1.0	.379	.349	.322	.324	.299	.277	.222	.206	.191	.128	.119	.111	.041	.038	.036	
2.0	.372	.326	.288	.319	.281	.249	.218	.194	.173	.126	.113	.102	.040	.037	.033	
3.0	.365	.310	.267	.313	.267	.231	.215	.186	.162	.124	.109	.096	.040	.035	.031	
4.0	.357	.298	.253	.306	.257	.219	.211	.179	.154	.122	.105	.091	.039	.034	.030	
5.0	.349	.288	.243	.300	.249	.211	.207	.174	.149	.120	.102	.089	.039	.033	.029	
6.0	.342	.280	.236	.294	.243	.206	.203	.170	.145	.118	.100	.086	.038	.033	.029	
7.0	.335	.274	.231	.288	.237	.201	.199	.166	.143	.116	.098	.085	.037	.032	.028	
8.0	.328	.268	.227	.283	.233	.198	.196	.163	.140	.114	.096	.084	.037	.032	.028	
9.0	.322	.264	.224	.278	.229	.195	.192	.161	.139	.112	.095	.083	.036	.031	.027	
10.0	.317	.260	.222	.273	.225	.193	.189	.159	.137	.110	.094	.082	.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:0.2480A P:26.02W PF:0.8744 Freq:60.00Hz Lamp Flux:2114.96x1 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	21.2	21.5	22.8	22.1	23.4	24.1	
	3H	19.9	21.1	20.5	21.7	22.5	24.4	25.6	25.0	26.2	
	4H	20.4	21.6	21.1	22.2	23.0	25.9	27.1	26.6	27.7	
	6H	20.8	21.8	21.4	22.5	23.3	27.7	28.7	28.3	29.4	
	8H	20.9	21.9	21.5	22.6	23.4	28.6	29.7	29.3	30.4	
	12H	20.9	21.9	21.6	22.6	23.4	29.8	30.7	30.4	31.4	
4H	2H	20.0	21.1	20.6	21.7	22.5	22.1	23.2	22.7	23.8	
	3H	21.7	22.7	22.4	23.3	24.2	25.1	26.1	25.8	26.8	
	4H	22.4	23.3	23.1	24.0	24.9	26.9	27.8	27.6	28.5	
	6H	23.0	23.8	23.7	24.5	25.4	28.9	29.7	29.6	30.4	
	8H	23.2	23.9	23.9	24.7	25.5	30.0	30.8	30.7	31.5	
	12H	23.3	24.0	24.0	24.7	25.6	31.3	32.0	32.0	32.7	
8H	4H	23.8	24.6	24.6	25.3	26.2	27.3	28.0	28.0	28.8	
	6H	24.9	25.5	25.6	26.3	27.2	29.5	30.2	30.3	31.0	
	8H	25.3	25.9	26.1	26.7	27.6	30.9	31.4	31.7	32.2	
	12H	25.6	26.1	26.4	26.9	27.9	32.4	32.9	33.2	33.7	
12H	4H	24.3	25.0	25.0	25.7	26.7	27.3	28.0	28.0	28.7	
	6H	25.6	26.2	26.4	27.0	27.9	29.7	30.2	30.5	31.0	
	8H	26.3	26.8	27.1	27.6	28.6	31.1	31.6	31.9	32.4	
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, 2115 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 2.6$ )  
Area: 0.0354 m<sup>2</sup>

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.2480A P:26.02W PF:0.8744 Freq:60.00Hz Lamp Flux:2114.96x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

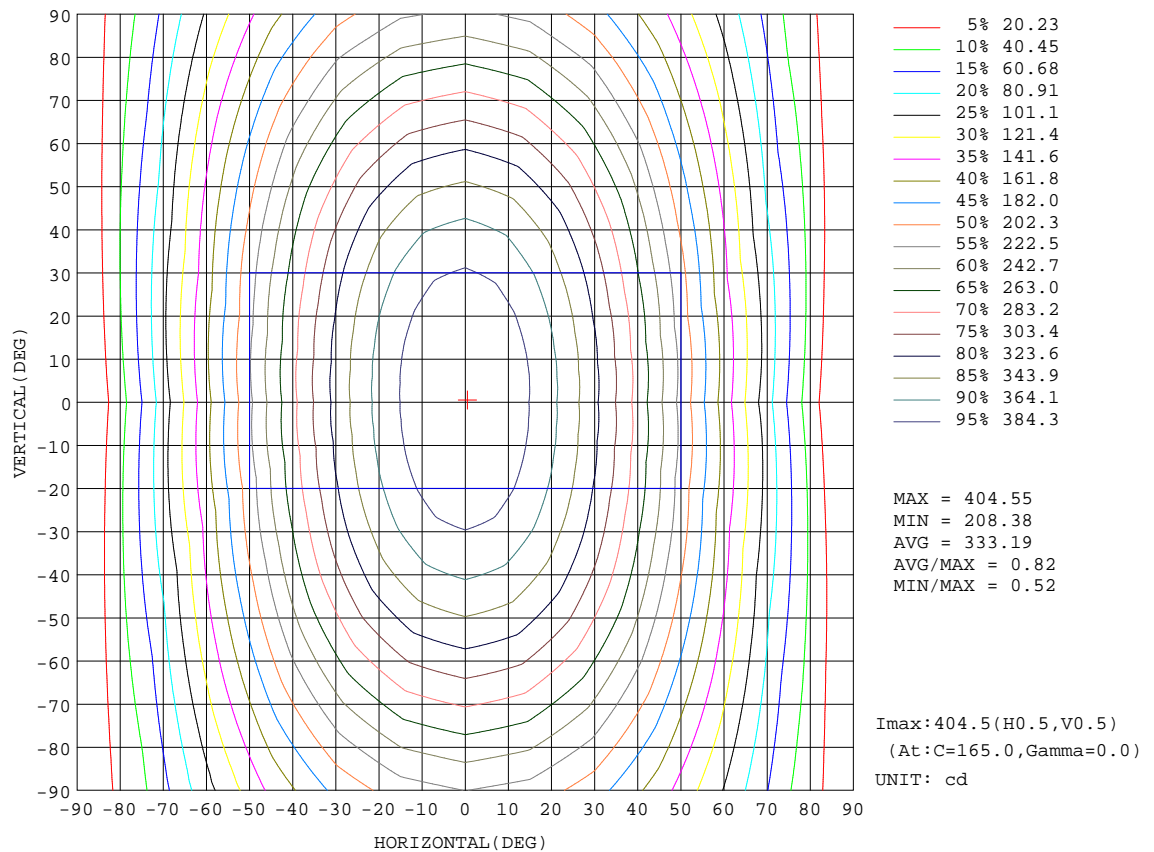
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	33	26	44	33	26	42	31	25	18
0.80	55	42	34	53	41	33	49	39	32	24
1.00	62	49	41	60	48	40	56	48	38	29
1.25	69	56	48	66	55	47	61	51	44	34
1.50	74	62	53	71	60	52	65	56	49	38
2.00	82	70	62	78	68	60	71	63	56	43
2.50	86	76	67	82	73	65	75	67	61	47
3.00	90	80	73	86	77	70	78	71	65	50
4.00	95	86	80	90	83	77	82	76	71	54
5.00	98	91	85	93	87	81	84	79	75	57
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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.2480A P:26.02W PF:0.8744 Freq:60.00Hz Lamp Flux:2114.96x1 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

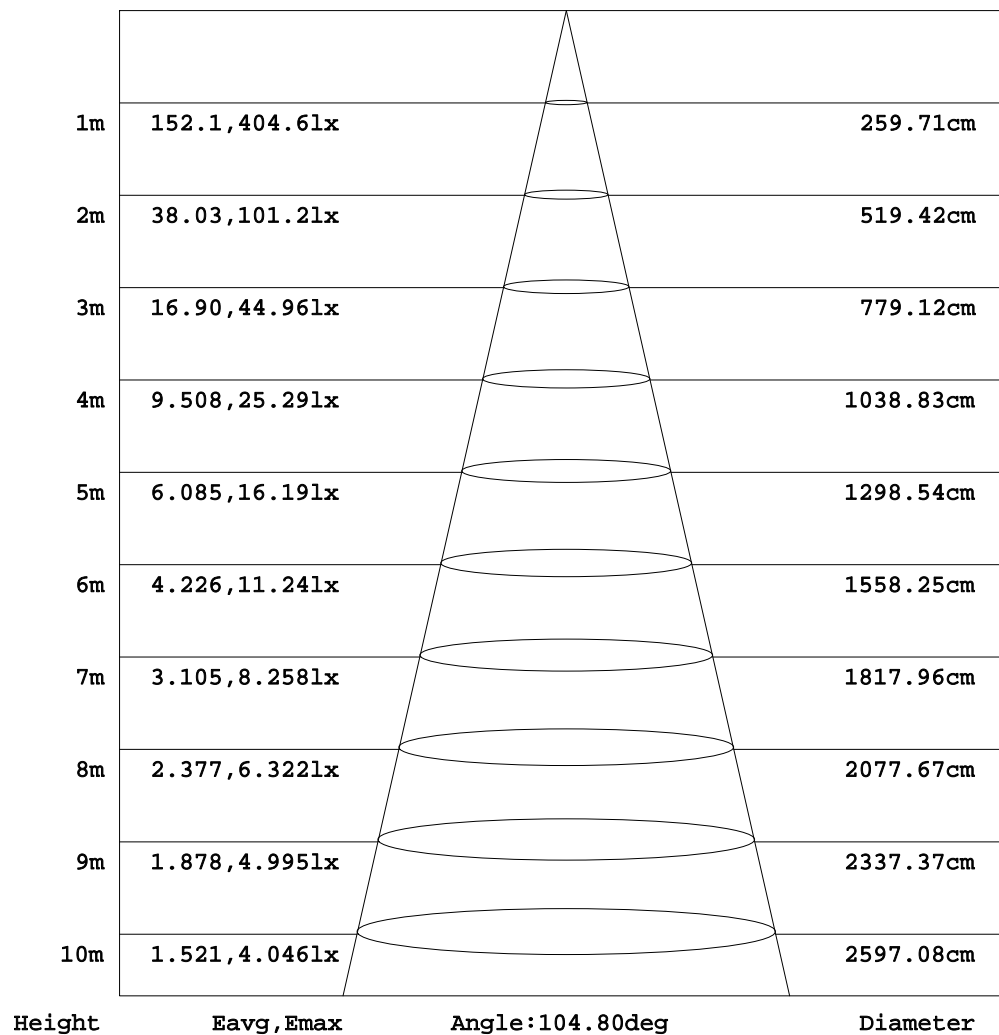
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 41.3%  
 Test Distance: 2.500m [K=1.0250]  
 Remarks:



## AAI Figure

Test:U:120.0V I:0.2480A P:26.02W PF:0.8744 Freq:60.00Hz Lamp Flux:2114.96x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

Flux out:841.6 lm



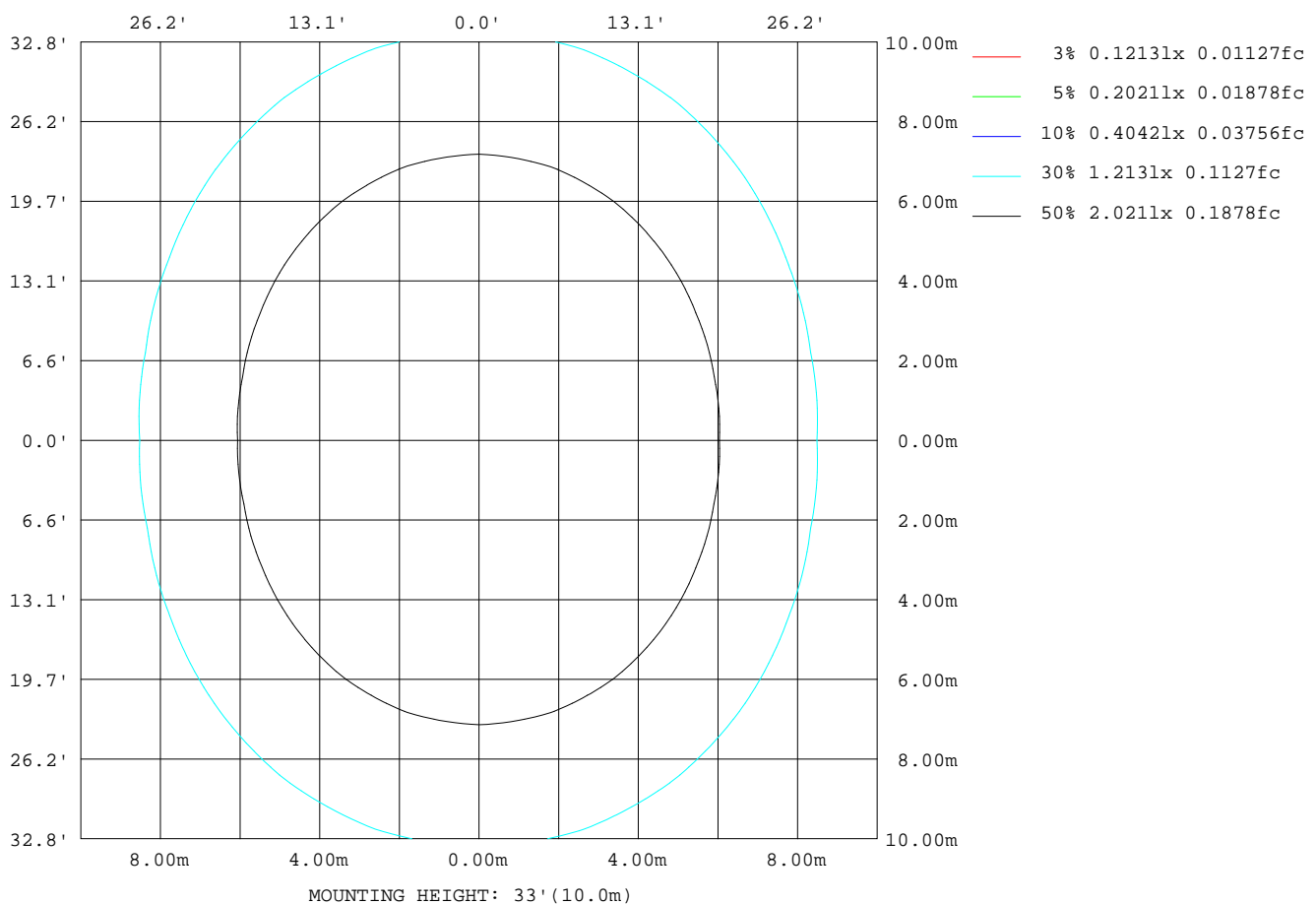
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2480A P:26.02W PF:0.8744 Freq:60.00Hz Lamp Flux:2114.96x1 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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.2480A P:26.02W PF:0.8744 Freq:60.00Hz Lamp Flux:2114.96x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

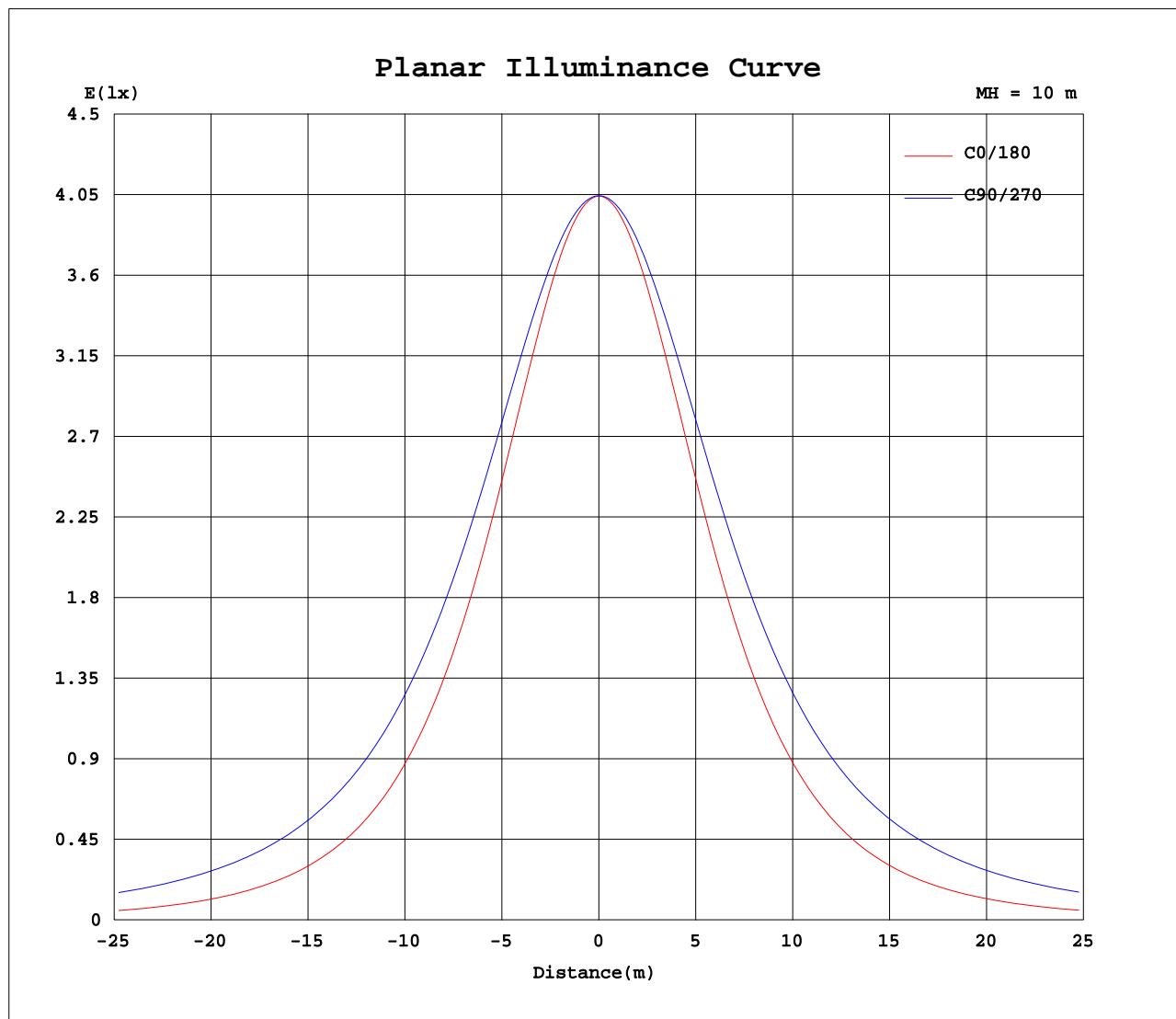
AvgL	cd/m2
L_0~180(65)av	8121
L_0~180(75)av	6443
L_0~180(85)av	3206
L_90~270(65)av	20234
L_90~270(75)av	29654
L_90~270(85)av	77892
L_45(65)av	15505
L_45(75)av	21383
L_45(85)av	53257

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

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.2480A P:26.02W PF:0.8744 Freq:60.00Hz Lamp Flux:2114.96x1 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	404	404	404	404	404	404	404	404	405	405	405	405	404	404	404	404	404	404	404
5	402	402	402	403	403	404	404	404	403	403	403	402	402	402	403	403	404	404	404
10	395	395	397	398	400	402	402	402	400	399	397	396	396	396	398	399	401	402	403
15	384	385	388	392	396	398	399	398	396	392	388	385	385	386	389	393	397	400	400
20	368	370	375	382	389	394	396	394	389	382	376	371	370	372	377	384	391	395	397
25	350	352	360	371	381	388	390	388	381	370	360	353	351	354	363	373	383	390	392
30	327	332	343	357	371	380	384	380	370	357	343	332	329	334	345	360	373	383	386
35	302	308	323	342	359	371	376	371	359	341	322	308	304	311	326	345	362	374	378
40	275	283	302	325	347	361	366	361	346	324	301	283	277	286	305	328	350	365	369
45	246	256	279	307	333	350	356	349	331	305	278	256	249	259	283	311	336	353	359
50	216	228	256	289	318	337	343	336	316	287	254	227	218	231	260	293	322	341	347
55	185	199	233	270	302	323	330	322	300	267	230	198	187	202	237	274	306	327	334
60	153	171	210	251	286	308	316	307	283	248	206	169	155	174	214	255	290	312	320
65	120	143	187	233	269	293	301	291	267	228	183	140	123	146	191	237	273	297	305
70	89.1	116	166	214	253	277	285	276	250	210	161	113	91.0	120	170	219	257	282	289
75	57.7	91.7	146	197	237	262	270	260	233	192	141	87.2	60.4	95.5	150	201	241	266	274
80	30.0	70.1	128	181	221	246	254	244	217	176	122	64.8	32.7	74.1	132	184	225	250	258
85	9.21	53.3	113	166	206	230	238	229	202	160	107	47.3	10.6	56.9	117	169	209	235	242
90	0.69	41.9	100	152	191	215	223	213	187	146	94.1	35.7	1.08	45.0	104	155	195	220	227
95	2.02	35.2	89.3	139	177	200	208	199	173	134	83.2	29.5	1.99	37.9	92.9	143	181	204	212
100	3.91	30.8	80.6	128	164	186	193	184	160	123	74.7	25.6	3.76	33.1	83.9	131	168	190	197
105	6.48	27.5	73.2	117	151	172	178	170	147	112	67.8	22.8	6.24	29.5	76.3	120	155	176	182
110	9.71	25.3	66.7	107	138	158	164	157	135	103	61.7	21.4	9.46	27.1	69.6	110	142	162	168
115	13.6	25.9	61.1	97.6	127	145	151	143	124	93.6	56.6	23.0	13.2	27.3	63.7	101	130	148	154
120	17.6	27.8	56.2	88.8	115	132	137	130	113	85.2	52.2	25.6	17.2	29.0	58.6	91.8	118	135	140
125	21.5	30.1	51.9	80.7	104	119	124	118	102	77.5	48.5	28.5	20.5	30.7	54.2	83.6	107	122	127
130	24.8	32.5	49.5	73.2	93.8	107	111	106	91.6	70.5	47.0	31.0	24.2	33.1	51.3	75.9	96.7	110	114
135	27.9	34.4	48.2	66.3	83.9	95.4	99.2	94.5	82.1	64.0	46.3	33.9	27.9	35.3	48.7	68.8	86.7	98.2	102
140	30.8	37.0	47.5	61.1	74.7	84.4	87.6	83.6	73.3	59.5	46.1	36.3	31.2	37.2	45.7	63.1	77.2	87.0	90.2
145	33.3	39.3	47.0	57.3	67.3	74.4	77.0	73.7	66.3	56.3	46.2	38.1	34.6	39.9	46.0	58.3	69.4	76.7	79.3
150	35.5	40.8	46.6	54.5	61.8	67.1	68.9	66.7	61.2	53.8	46.5	39.7	37.5	41.5	46.8	51.8	63.2	69.2	71.2
155	36.8	42.4	47.2	52.3	57.5	61.3	62.6	61.1	57.2	52.0	46.4	40.7	39.1	41.4	47.5	50.7	56.1	62.4	64.6
160	37.3	43.7	47.7	50.7	54.1	56.6	57.4	56.5	54.0	50.8	46.5	42.5	39.3	39.2	47.2	48.7	52.6	55.7	58.6
165	34.1	39.7	47.8	49.9	51.6	53.0	53.5	53.0	51.6	48.4	43.2	38.2	35.3	34.7	43.1	49.0	49.2	51.8	52.9
170	28.9	30.3	40.6	48.5	49.8	50.3	50.5	50.4	48.5	37.8	32.7	30.0	29.4	29.6	30.8	35.3	42.7	47.7	49.5
175	25.7	25.7	26.3	28.8	40.4	45.5	44.9	36.0	26.1	25.3	25.6	25.7	25.9	26.0	25.9	25.8	25.6	27.0	37.3
180	40.0	38.8	35.0	26.7	22.9	10.4	3.79	10.5	20.6	29.8	35.5	38.8	37.1	37.1	36.1	33.0	27.7	20.6	15.0

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:0.2480A P:26.02W PF:0.8744 Freq:60.00Hz Lamp Flux:2114.96x1 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	404	405	405	405	405														
5	404	404	403	403	402														
10	402	401	399	397	396														
15	399	396	392	388	385														
20	395	390	383	376	371														
25	389	382	371	361	353														
30	382	372	357	343	332														
35	373	360	342	323	309														
40	363	347	325	301	283														
45	352	333	307	278	256														
50	339	318	288	254	227														
55	325	302	269	230	197														
60	310	286	250	206	168														
65	295	269	230	183	139														
70	279	253	212	161	112														
75	264	237	194	141	86.3														
80	248	221	177	123	64.0														
85	232	205	162	107	46.6														
90	217	190	148	94.4	35.3														
95	202	176	136	84.2	29.3														
100	188	163	125	75.9	25.3														
105	174	150	114	68.8	22.5														
110	160	138	104	62.7	21.7														
115	146	126	95.4	57.5	23.7														
120	133	115	87.0	53.1	26.4														
125	121	104	79.2	49.5	29.3														
130	108	93.8	72.0	48.3	31.9														
135	96.9	84.1	65.5	47.6	34.1														
140	86.0	75.2	61.3	47.4	36.0														
145	76.2	68.7	58.2	47.6	37.7														
150	69.3	63.7	56.0	47.9	39.8														
155	63.6	59.9	54.6	48.5	42.1														
160	58.5	56.7	53.3	49.1	44.3														
165	54.3	53.3	51.7	49.4	44.7														
170	49.7	50.6	49.9	46.7	34.9														
175	44.9	44.1	38.0	27.7	25.3														
180	11.2	15.1	22.1	28.5	33.8														

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: