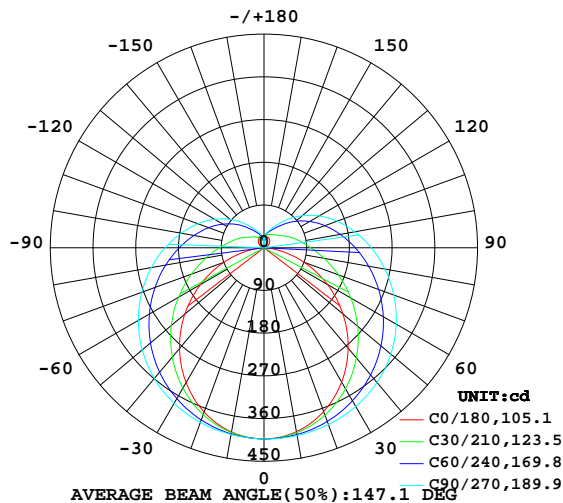


LUMINAIRE PHOTOMETRIC TEST REPORT

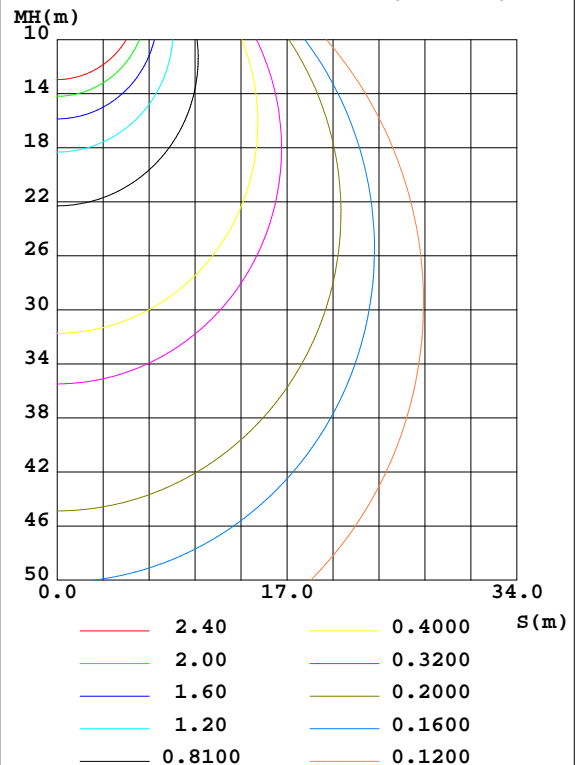
Test:U:120.0V I:0.2519A P:26.35W PF:0.8716 Freq:60.00Hz Lamp Flux:2033.89x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 77.19 lm/W			
MODEL	C06015302A	Imax(cd)	403.1	S/MH(C0/180)	1.22
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.42
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2033.9	η UP,DN(C0-180)	12.1,39.1
NOMINAL FLUX(lm)	2033.89	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	10.8,38.0
LAMPS INSIDE	1	η up(%)	22.9	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	77.1	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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	393.5	397.8	401.8	398.1	394.2	396.6	399.5	396.4	0- 10	38.19	38.19	1.88,1.88
20	367.4	382.5	396.4	382.8	368.5	380.1	391.7	379.1	10- 20	110.3	148.5	7.3,7.3
30	327.0	358.0	386.2	358.1	328.2	354.7	378.4	352.7	20- 30	170.4	319.0	15.7,15.7
40	275.9	327.0	370.5	326.3	276.8	322.4	359.7	319.5	30- 40	212.8	531.8	26.1,26.1
50	217.3	291.7	348.7	290.3	217.8	285.5	334.7	282.2	40- 50	234.5	766.3	37.7,37.7
60	154.2	254.3	321.6	252.3	154.2	246.6	305.5	242.9	50- 60	235.4	1002	49.3,49.3
70	90.19	216.8	291.0	214.7	89.99	207.7	273.7	203.9	60- 70	218.8	1220	60,60
80	31.26	182.0	258.7	179.9	31.49	172.6	241.1	168.6	70- 80	190.2	1411	69.4,69.4
90	0.4229	151.5	226.2	149.5	0.4486	141.9	208.2	138.0	80- 90	157.6	1568	77.1,77.1
100	2.037	125.7	194.5	124.1	2.014	116.1	177.3	112.5	90-100	129.3	1698	83.5,83.5
110	5.269	103.8	164.0	102.6	5.153	94.76	148.1	91.55	100-110	104.1	1802	88.6,88.6
120	10.25	83.55	134.4	82.79	9.891	75.21	120.3	72.48	110-120	80.52	1882	92.5,92.5
130	15.05	65.38	105.5	65.05	14.68	57.58	93.22	55.43	120-130	59.06	1941	95.5,95.5
140	18.95	50.30	78.71	50.17	18.65	43.54	68.22	42.00	130-140	40.60	1982	97.4,97.4
150	22.21	40.55	56.34	40.57	22.04	34.15	48.16	34.37	140-150	26.01	2008	98.7,98.7
160	23.63	34.02	41.49	34.08	24.42	27.02	35.64	30.98	150-160	15.81	2024	99.5,99.5
170	17.64	29.24	31.73	24.56	17.64	19.22	27.51	28.00	160-170	8.144	2032	99.9,99.9
180	23.95	17.96	0	18.05	21.06	18.91	9.698	12.27	170-180	1.954	2034	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 647.64 lm

%lum = 31.8%

%lamp = 31.8%

Conical surface Flux(120deg): 1001.7 lm

%lum = 49.3%

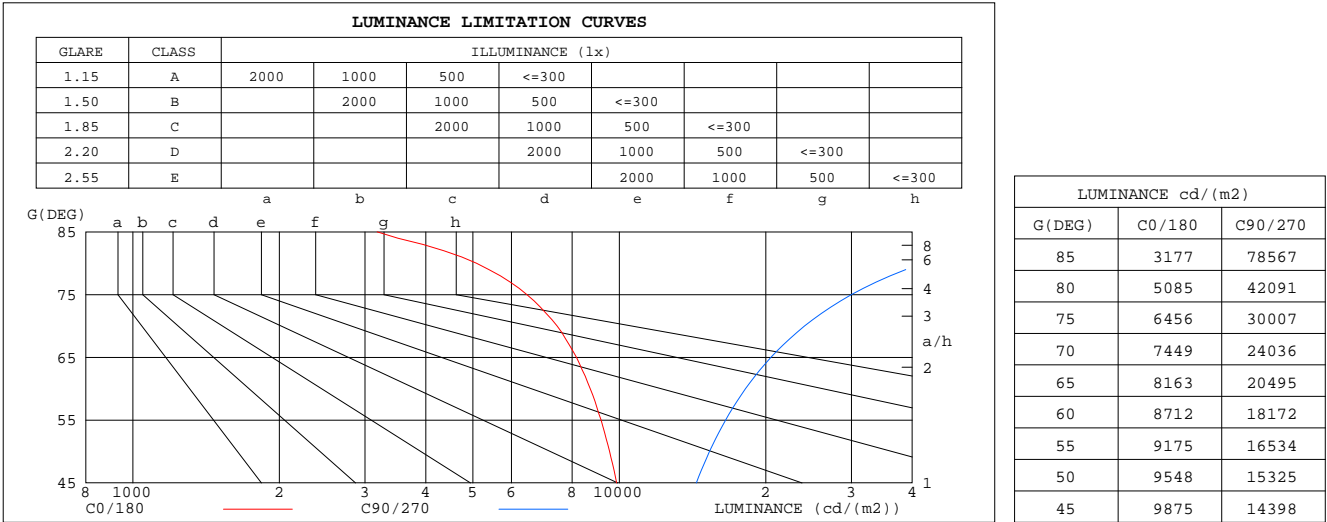
%lamp = 49.3%

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:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.2519A P:26.35W PF:0.8716 Freq:60.00Hz Lamp Flux:2033.89x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:



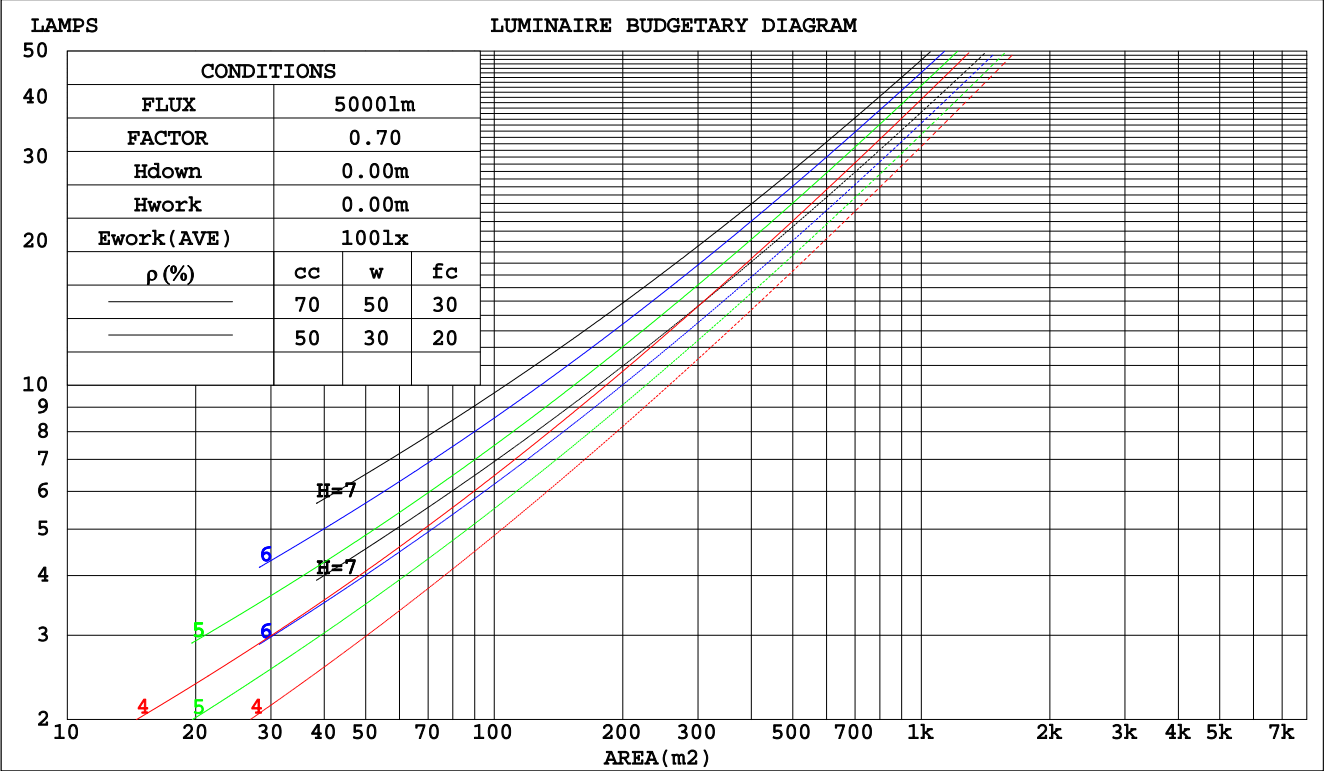
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.9DEG
Operators: Alan Wang
Test Date: 27 December 2024

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:0.2519A P:26.35W PF:0.8716 Freq:60.00Hz Lamp Flux:2033.89x1 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	1.08	1.08	1.08	.98	.98	.98	.89	.89	.89	.81	.81	.81	.77
1.0	.94	.89	.84	.90	.85	.81	.81	.77	.74	.73	.70	.67	.66	.64	.62	.58
2.0	.81	.73	.66	.77	.70	.64	.69	.64	.59	.63	.58	.54	.56	.53	.49	.46
3.0	.70	.61	.54	.66	.58	.52	.60	.53	.48	.54	.49	.44	.49	.44	.41	.37
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	.36	.32	.39	.33	.29	.26
6.0	.49	.39	.33	.46	.38	.32	.42	.35	.29	.38	.32	.27	.35	.30	.25	.23
7.0	.44	.35	.28	.42	.34	.28	.38	.31	.26	.35	.29	.24	.32	.26	.22	.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	.20	.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:0.2519A P:26.35W PF:0.8716 Freq:60.00Hz Lamp Flux:2033.89x1 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	.387	.220	.070	.373	.213	.068	.347	.199	.064	.322	.186	.060	.300	.174	.056	
2.0	.333	.183	.056	.321	.177	.054	.297	.165	.051	.274	.154	.048	.254	.144	.045	
3.0	.295	.157	.047	.284	.152	.046	.262	.142	.043	.242	.132	.041	.223	.123	.038	
4.0	.266	.138	.041	.255	.133	.039	.235	.125	.037	.217	.116	.035	.200	.108	.033	
5.0	.241	.123	.036	.232	.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	.204	.101	.029	.196	.097	.028	.180	.091	.026	.166	.085	.025	.153	.079	.023	
8.0	.189	.092	.026	.181	.089	.025	.167	.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	.165	.079	.022	.158	.076	.021	.146	.072	.020	.135	.067	.019	.124	.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	.365	.365	.365	.312	.312	.312	.213	.213	.213	.122	.122	.122	.039	.039	.039	
1.0	.362	.331	.304	.309	.284	.262	.212	.196	.181	.122	.113	.105	.039	.036	.034	
2.0	.355	.309	.270	.304	.266	.233	.208	.184	.163	.120	.107	.095	.039	.035	.031	
3.0	.347	.292	.249	.298	.252	.216	.204	.175	.151	.118	.102	.089	.038	.033	.029	
4.0	.340	.280	.235	.291	.242	.204	.200	.169	.144	.116	.099	.085	.037	.032	.028	
5.0	.332	.270	.225	.285	.234	.196	.196	.163	.138	.114	.096	.082	.037	.031	.027	
6.0	.325	.263	.218	.279	.227	.190	.192	.159	.134	.112	.094	.080	.036	.031	.026	
7.0	.318	.256	.213	.273	.222	.186	.189	.156	.131	.110	.092	.078	.035	.030	.026	
8.0	.311	.251	.209	.268	.217	.182	.185	.153	.129	.108	.090	.077	.035	.030	.026	
9.0	.305	.246	.206	.262	.213	.180	.182	.150	.128	.106	.089	.076	.034	.029	.025	
10.0	.299	.242	.204	.258	.210	.178	.179	.148	.126	.104	.087	.075	.034	.029	.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:0.2519A P:26.35W PF:0.8716 Freq:60.00Hz Lamp Flux:2033.89x1 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	2H	18.8	20.1	19.4	20.7	21.3	21.8	23.1	22.4	23.7	24.4
	3H	20.2	21.4	20.8	22.0	22.7	24.7	25.9	25.3	26.5	27.2
	4H	20.7	21.8	21.3	22.4	23.2	26.3	27.4	26.9	28.0	28.7
	6H	21.0	22.1	21.7	22.7	23.5	28.0	29.1	28.6	29.7	30.5
	8H	21.1	22.2	21.8	22.8	23.6	29.0	30.0	29.6	30.7	31.4
	12H	21.1	22.1	21.8	22.8	23.6	30.1	31.1	30.7	31.7	32.5
4H	2H	20.2	21.4	20.8	22.0	22.7	22.3	23.5	23.0	24.1	24.8
	3H	21.9	22.9	22.6	23.6	24.4	25.4	26.5	26.1	27.1	27.9
	4H	22.7	23.6	23.3	24.3	25.1	27.2	28.2	27.9	28.8	29.6
	6H	23.2	24.0	23.9	24.7	25.6	29.2	30.0	29.9	30.8	31.6
	8H	23.4	24.2	24.1	24.9	25.7	30.3	31.1	31.0	31.8	32.7
	12H	23.5	24.2	24.2	24.9	25.8	31.6	32.3	32.3	33.0	33.9
8H	4H	24.1	24.9	24.8	25.6	26.4	27.6	28.3	28.3	29.1	29.9
	6H	25.1	25.8	25.9	26.5	27.4	29.9	30.5	30.6	31.3	32.2
	8H	25.5	26.1	26.3	26.9	27.8	31.2	31.8	32.0	32.5	33.5
	12H	25.9	26.4	26.6	27.2	28.1	32.7	33.2	33.5	34.0	35.0
12H	4H	24.5	25.3	25.3	26.0	26.9	27.6	28.3	28.3	29.0	29.9
	6H	25.9	26.5	26.6	27.2	28.1	30.0	30.6	30.7	31.3	32.2
	8H	26.5	27.1	27.3	27.8	28.8	31.4	31.9	32.2	32.7	33.6
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, 2034 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.5$)
Area: 0.0354 m²

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:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.2519A P:26.35W PF:0.8716 Freq:60.00Hz Lamp Flux:2033.89x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

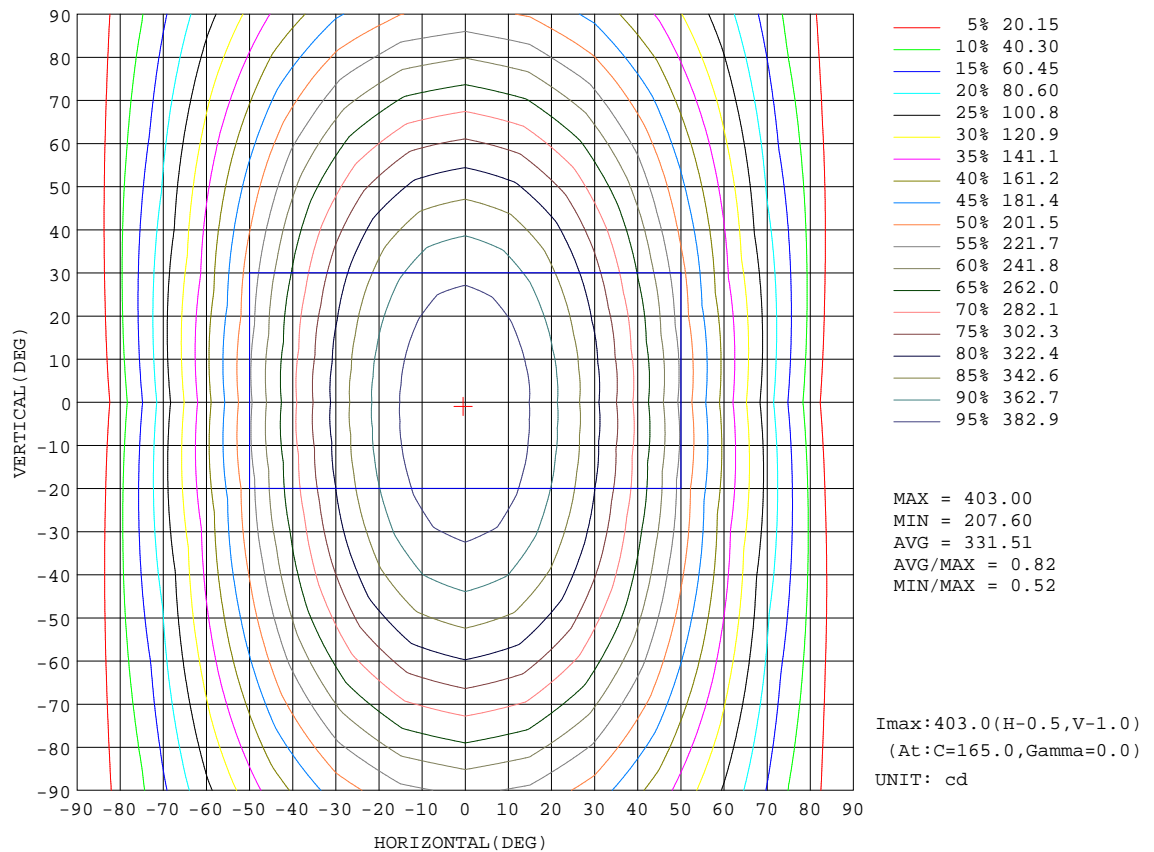
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	27	45	33	26	43	32	26	19
0.80	55	42	34	53	41	34	50	40	33	24
1.00	63	50	41	61	49	41	57	49	39	30
1.25	70	57	48	67	55	47	62	52	45	35
1.50	75	62	54	72	61	52	66	57	50	39
2.00	82	71	62	79	68	61	72	64	57	45
2.50	87	76	68	83	74	66	76	68	62	48
3.00	90	81	73	86	78	71	79	72	66	52
4.00	95	87	80	91	84	78	83	77	72	56
5.00	98	91	85	94	87	82	85	80	76	59
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:0.2519A P:26.35W PF:0.8716 Freq:60.00Hz Lamp Flux:2033.89x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:



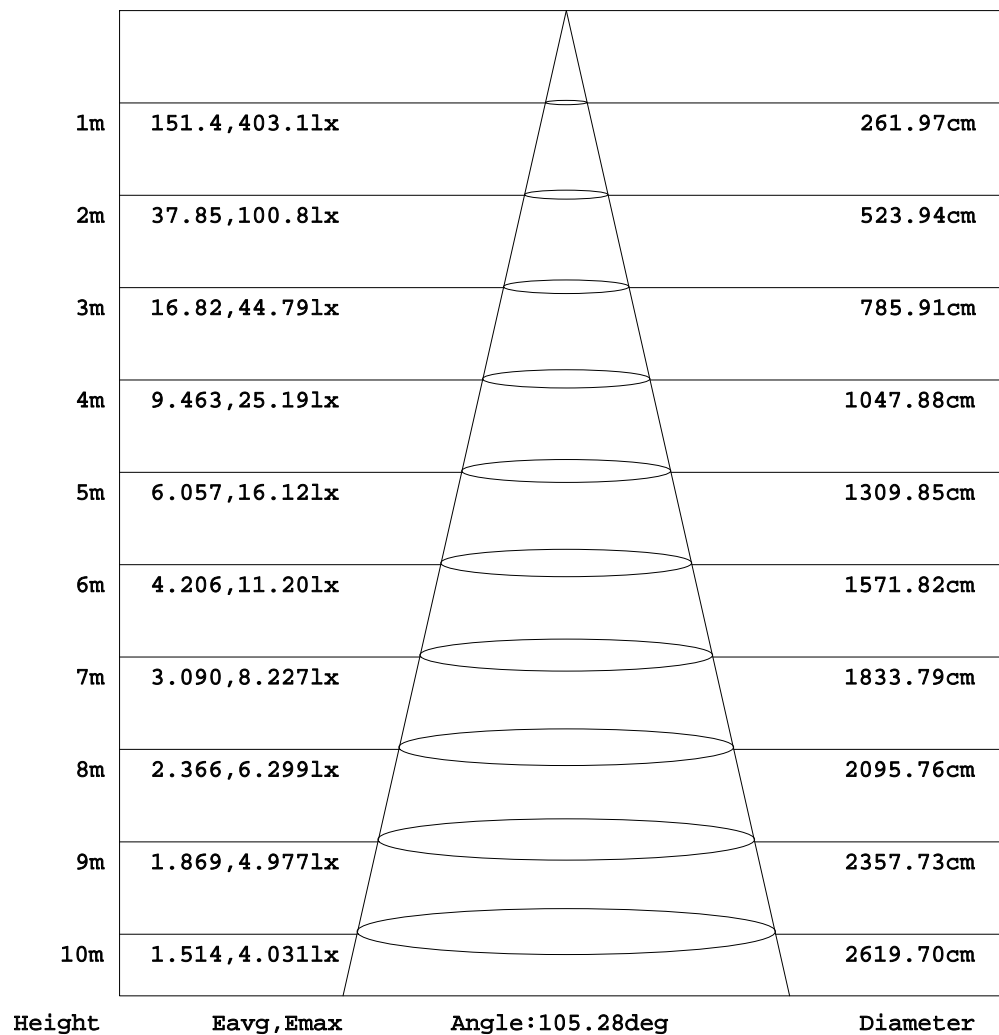
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Alan Wang
 Test Date: 27 December 2024

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:0.2519A P:26.35W PF:0.8716 Freq:60.00Hz Lamp Flux:2033.89x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

Flux out:837.7 lm



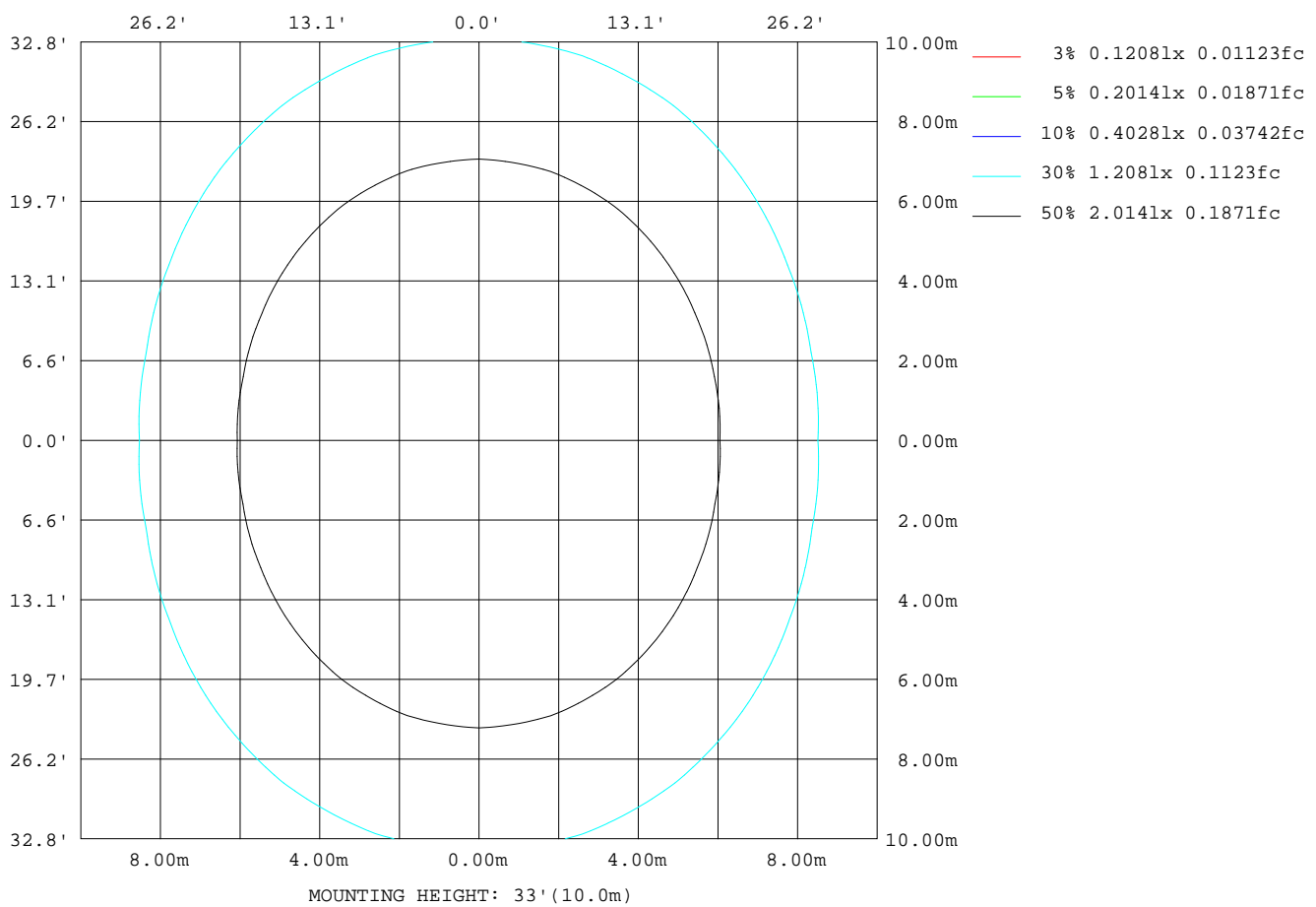
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2519A P:26.35W PF:0.8716 Freq:60.00Hz Lamp Flux:2033.89x1 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

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:

LED Avg.L Report

Test:U:120.0V I:0.2519A P:26.35W PF:0.8716 Freq:60.00Hz Lamp Flux:2033.89x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

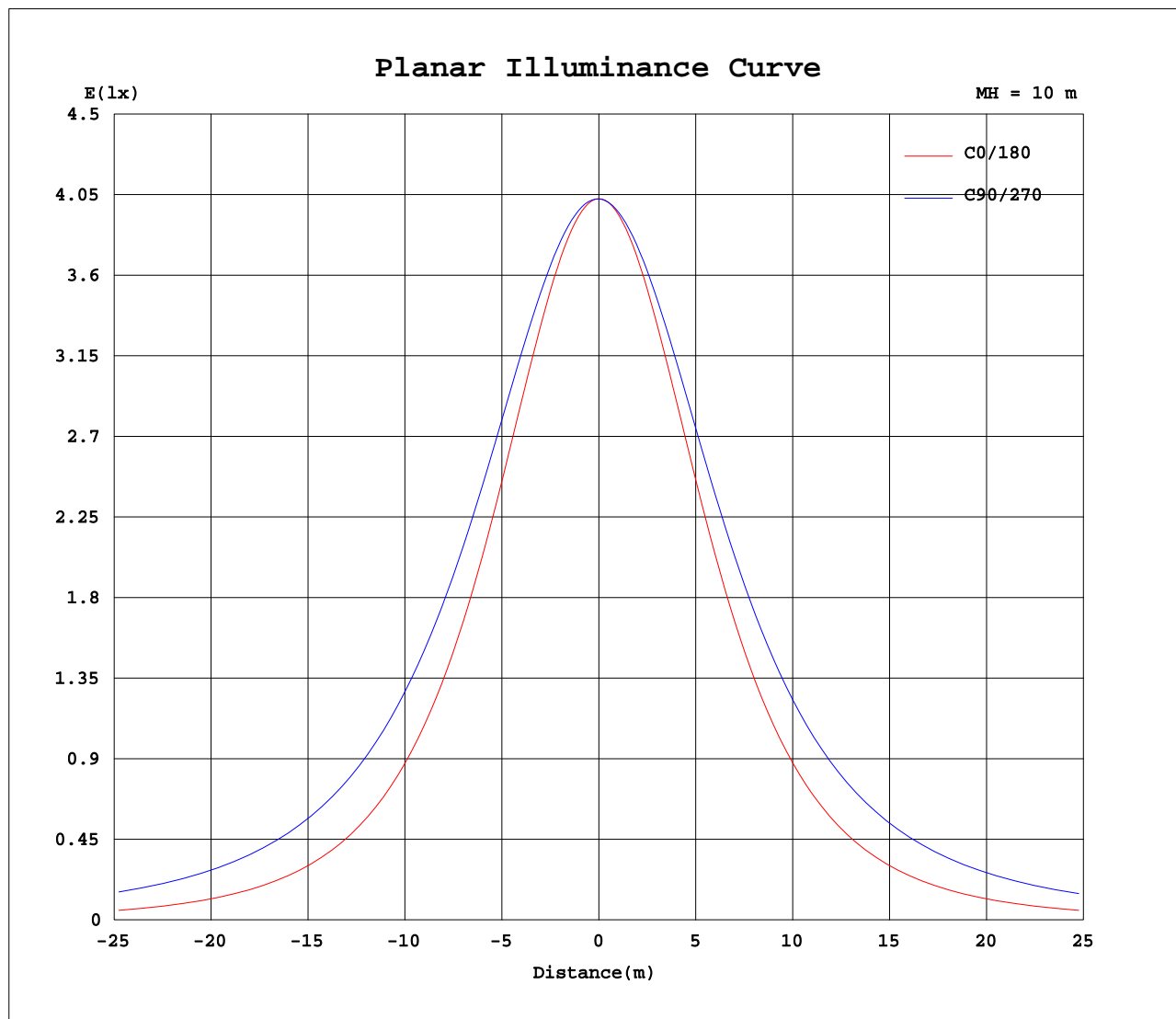
AvgL	cd/m2
L_0~180(65)av	8157
L_0~180(75)av	6466
L_0~180(85)av	3122
L_90~270(65)av	19936
L_90~270(75)av	29055
L_90~270(85)av	75714
L_45(65)av	15364
L_45(75)av	21046
L_45(85)av	51812

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

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:0.2519A P:26.35W PF:0.8716 Freq:60.00Hz Lamp Flux:2033.89x1 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	403	402	403	403	403	403	403	403	403	403	403	403	403	402	403	403	403	403	403
5	400	400	401	402	402	403	403	403	402	402	401	401	401	400	401	401	401	402	402
10	393	394	396	398	400	401	402	402	400	398	397	395	394	394	395	397	398	399	399
15	382	384	387	391	396	399	400	399	396	392	388	385	383	384	386	390	393	396	396
20	367	370	375	383	390	395	396	395	390	383	376	370	368	370	374	380	386	390	392
25	349	352	361	371	382	389	392	389	382	371	361	353	350	352	359	368	377	384	386
30	327	332	343	358	372	383	386	383	372	358	343	332	328	332	342	355	367	376	378
35	302	309	324	343	362	375	379	374	361	343	324	309	304	308	322	339	355	366	370
40	276	284	303	327	350	365	371	365	349	326	302	284	277	283	300	322	342	356	360
45	247	257	281	310	336	354	360	354	335	309	280	257	248	257	278	304	328	343	348
50	217	229	258	292	322	342	349	341	321	290	256	228	218	229	255	286	312	330	335
55	186	201	234	273	306	328	336	328	305	271	233	199	186	200	231	266	296	315	321
60	154	172	211	254	290	314	322	313	289	252	209	170	154	171	207	247	279	299	306
65	122	144	189	235	274	298	307	298	272	233	186	142	122	143	184	227	261	283	290
70	90.2	117	167	217	257	283	291	282	255	215	165	114	90.0	116	162	208	244	267	274
75	59.2	91.4	147	199	240	266	275	266	239	197	144	89.1	59.3	91.0	142	190	227	250	257
80	31.3	69.3	128	182	224	250	259	249	222	180	126	67.0	31.5	69.1	124	173	210	234	241
85	9.80	51.7	112	166	208	234	242	233	206	164	110	49.5	9.46	51.5	107	157	194	218	225
90	0.42	39.7	98.6	152	192	218	226	217	191	150	96.0	37.7	0.45	39.3	93.6	142	179	201	208
95	1.08	32.6	87.1	138	177	202	210	201	176	136	85.2	31.0	1.09	31.7	82.1	128	164	186	193
100	2.04	27.9	77.9	126	163	187	194	186	162	124	76.2	26.6	2.01	26.8	72.7	116	150	171	177
105	3.40	23.8	70.0	114	149	172	179	171	148	113	68.5	22.8	3.36	22.3	64.9	105	137	156	162
110	5.27	20.7	62.6	104	136	157	164	157	136	103	61.4	19.8	5.15	18.6	57.4	94.8	124	142	148
115	7.72	20.2	56.0	93.4	124	143	149	142	123	92.4	55.1	19.6	7.43	17.8	50.6	84.7	112	129	134
120	10.3	20.8	50.0	83.5	111	129	134	128	110	82.8	49.3	20.3	9.89	17.8	44.5	75.2	99.8	115	120
125	12.7	21.8	44.5	74.2	98.7	114	120	114	98.2	73.7	44.0	21.4	12.4	17.7	38.9	66.1	88.1	102	107
130	15.1	22.8	40.6	65.4	86.7	101	106	101	86.4	65.1	40.3	22.5	14.7	17.7	35.4	57.6	76.9	89.2	93.2
135	17.0	23.6	37.9	57.0	75.5	87.6	91.8	87.5	75.3	56.9	37.7	23.4	16.7	19.8	32.8	49.6	66.2	76.9	80.4
140	19.0	24.4	35.6	50.3	64.8	75.1	78.7	75.1	64.8	50.2	35.5	24.2	18.7	19.9	30.5	43.5	56.1	65.2	68.2
145	20.7	24.9	33.8	45.0	55.7	63.4	66.4	63.4	55.7	45.0	33.7	24.8	20.4	21.0	27.3	38.6	47.9	54.5	56.9
150	22.2	25.5	32.3	40.6	48.6	54.3	56.3	54.3	48.7	40.6	32.3	25.4	22.0	21.1	24.1	34.1	41.3	46.3	48.2
155	23.2	25.9	31.1	37.0	42.7	46.8	48.3	46.9	42.7	37.0	31.1	25.9	23.3	20.6	26.1	29.8	35.7	39.5	41.1
160	23.6	26.0	30.1	34.0	37.8	40.5	41.5	40.6	37.8	34.1	30.2	25.7	24.4	20.5	25.6	27.0	31.3	34.2	35.6
165	21.5	23.5	29.4	31.6	33.8	35.4	36.0	35.5	33.9	31.7	28.6	22.7	22.1	19.8	22.6	26.8	27.3	30.2	31.3
170	17.6	18.3	25.5	29.2	30.7	31.5	31.7	31.5	30.3	24.6	20.5	17.9	17.6	17.5	17.0	19.2	23.6	26.3	27.5
175	14.8	14.9	15.7	17.6	25.0	27.3	25.9	24.3	15.9	14.6	14.6	14.6	14.6	14.6	14.4	14.3	14.1	15.1	18.2
180	24.0	23.6	21.7	18.0	15.7	10.4	0.00	9.31	14.0	18.0	23.2	23.2	21.1	21.1	20.5	18.9	16.2	12.3	9.70

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:0.2519A P:26.35W PF:0.8716 Freq:60.00Hz Lamp Flux:2033.89x1 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	403	403	403	403	403														
5	402	401	401	401	401														
10	399	398	396	395	394														
15	395	393	389	386	384														
20	390	385	379	373	370														
25	383	376	367	358	352														
30	375	366	353	340	331														
35	365	354	337	320	308														
40	354	340	320	298	282														
45	341	325	301	276	256														
50	328	309	282	252	228														
55	313	293	263	228	198														
60	297	276	243	204	169														
65	281	258	224	181	141														
70	265	241	204	159	113														
75	248	224	186	138	87.7														
80	232	207	169	119	65.1														
85	216	191	153	103	47.1														
90	200	176	138	89.2	34.9														
95	184	161	125	77.8	27.7														
100	169	147	113	68.7	23.1														
105	155	134	102	61.0	18.9														
110	141	122	91.5	53.8	16.0														
115	128	110	81.7	47.3	15.3														
120	114	97.7	72.5	41.5	15.9														
125	101	86.3	63.7	36.4	16.8														
130	88.4	75.3	55.4	33.1	17.8														
135	76.2	64.8	47.7	30.5	18.7														
140	64.6	55.1	42.0	29.0	18.9														
145	54.3	47.3	37.4	26.9	19.3														
150	46.4	41.5	34.4	26.8	20.8														
155	40.2	37.1	32.5	27.4	22.3														
160	35.4	33.8	31.0	27.3	23.8														
165	31.5	30.8	29.5	27.6	24.4														
170	28.5	28.5	28.0	25.8	20.1														
175	23.4	24.8	21.7	16.5	14.9														
180	7.42	7.65	12.3	16.4	19.2														

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: