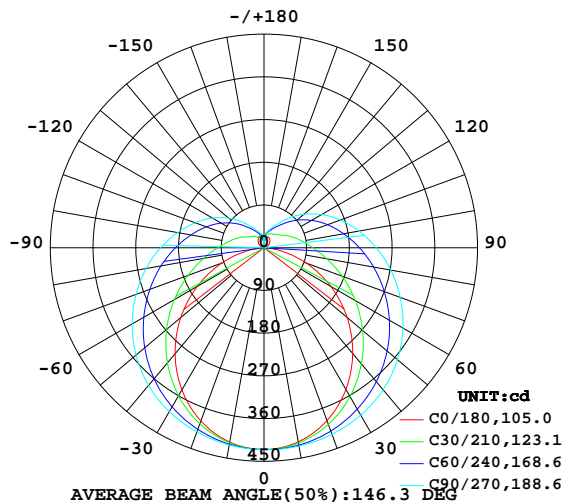


LUMINAIRE PHOTOMETRIC TEST REPORT

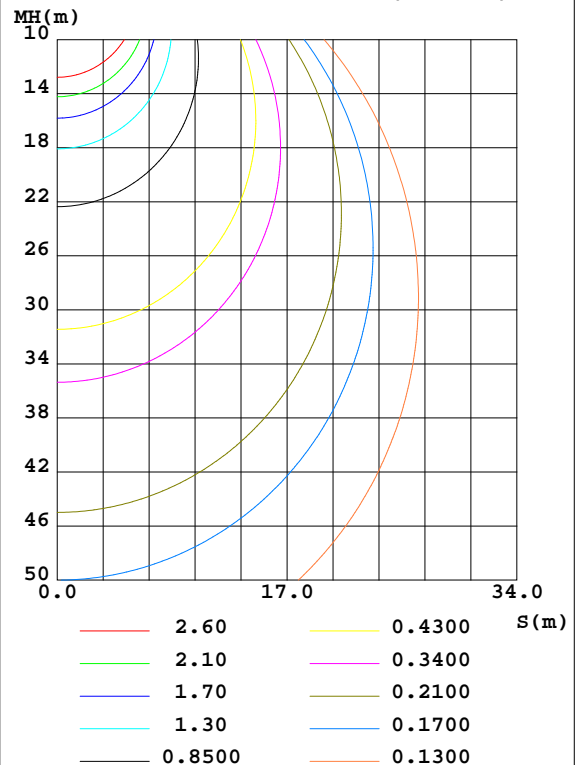
Test:U:120.0V I:0.2513A P:26.27W PF:0.8712 Freq:60.00Hz Lamp Flux:2134.37x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 81.25 lm/W			
MODEL	C06015302A	I _{max} (cd)	425.6	S/MH(C0/180)	1.22
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.41
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2134.4	η UP,DN(C0-180)	12.0,39.2
NOMINAL FLUX(lm)	2134.37	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	10.7,38.0
LAMPS INSIDE	1	η up(%)	22.8	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	77.2	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	415.3	419.7	424.3	420.4	415.8	418.7	421.7	418.3	0- 10	40.31	40.31	1.89,1.89
20	387.6	403.5	418.4	404.0	388.6	400.9	412.9	399.8	10- 20	116.4	156.7	7.34,7.34
30	344.9	377.6	407.1	377.6	345.7	373.7	398.8	371.8	20- 30	179.7	336.5	15.8,15.8
40	290.7	344.3	390.4	343.7	291.3	339.1	378.4	336.4	30- 40	224.2	560.7	26.3,26.3
50	228.9	306.8	367.0	305.5	229.1	300.0	351.9	296.7	40- 50	246.8	807.4	37.8,37.8
60	162.5	267.1	338.0	265.2	162.0	258.7	320.6	255.0	50- 60	247.5	1055	49.4,49.4
70	96.24	227.5	305.3	225.4	94.37	218.3	286.8	214.2	60- 70	229.6	1285	60.2,60.2
80	32.92	190.7	271.1	188.5	32.97	180.4	252.1	176.4	70- 80	199.3	1484	69.5,69.5
90	0.4464	158.5	236.7	156.4	0.4704	148.1	218.2	144.1	80- 90	164.9	1649	77.2,77.2
100	2.119	131.3	203.2	129.6	2.105	121.0	184.9	117.4	90-100	135.1	1784	83.6,83.6
110	5.477	108.3	171.2	107.1	5.378	98.72	154.4	95.44	100-110	108.6	1892	88.7,88.7
120	10.65	87.12	140.2	86.39	10.32	78.25	125.3	75.46	110-120	83.96	1976	92.6,92.6
130	15.66	68.14	110.1	67.85	15.30	59.88	97.02	57.72	120-130	61.54	2038	95.5,95.5
140	19.77	52.42	82.04	52.31	19.43	45.31	71.05	43.74	130-140	42.30	2080	97.5,97.5
150	23.14	42.26	58.72	42.31	22.95	35.55	50.10	35.83	140-150	27.10	2107	98.7,98.7
160	24.62	35.46	43.27	35.54	25.44	28.16	37.08	32.29	150-160	16.47	2124	99.5,99.5
170	18.38	30.49	33.09	25.71	18.37	20.02	28.62	29.18	160-170	8.484	2132	99.9,99.9
180	23.46	16.73	0	18.37	21.92	19.68	7.992	12.64	170-180	2.035	2134	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 682.66 lm

%lum = 32.0%

%lamp = 32.0%

Conical surface Flux(120deg): 1054.9 lm

%lum = 49.4%

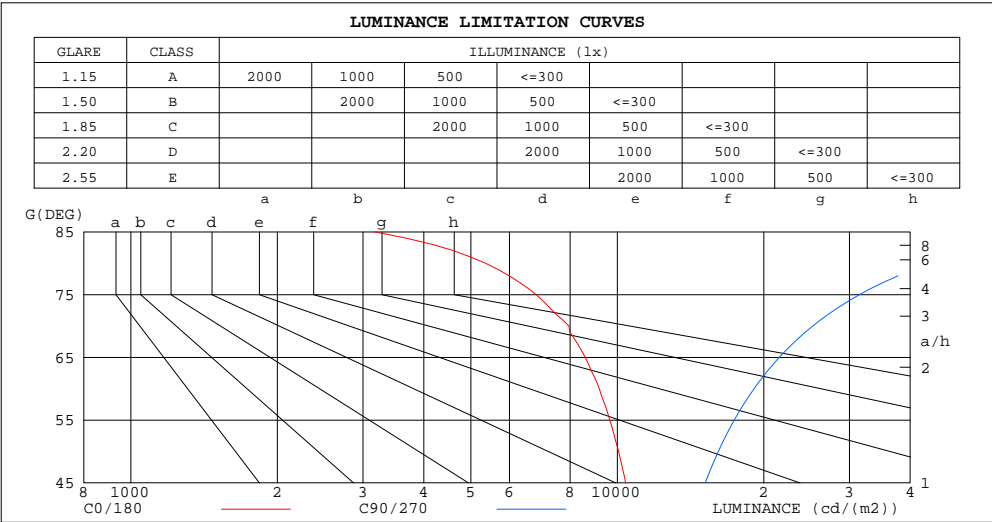
%lamp = 49.4%

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:0.2513A P:26.27W PF:0.8712 Freq:60.00Hz Lamp Flux:2134.37x1 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	3168	82286
80	5355	44106
75	6806	31469
70	7949	25218
65	8586	21521
60	9179	19095
55	9652	17388
50	10059	16127
45	10406	15160

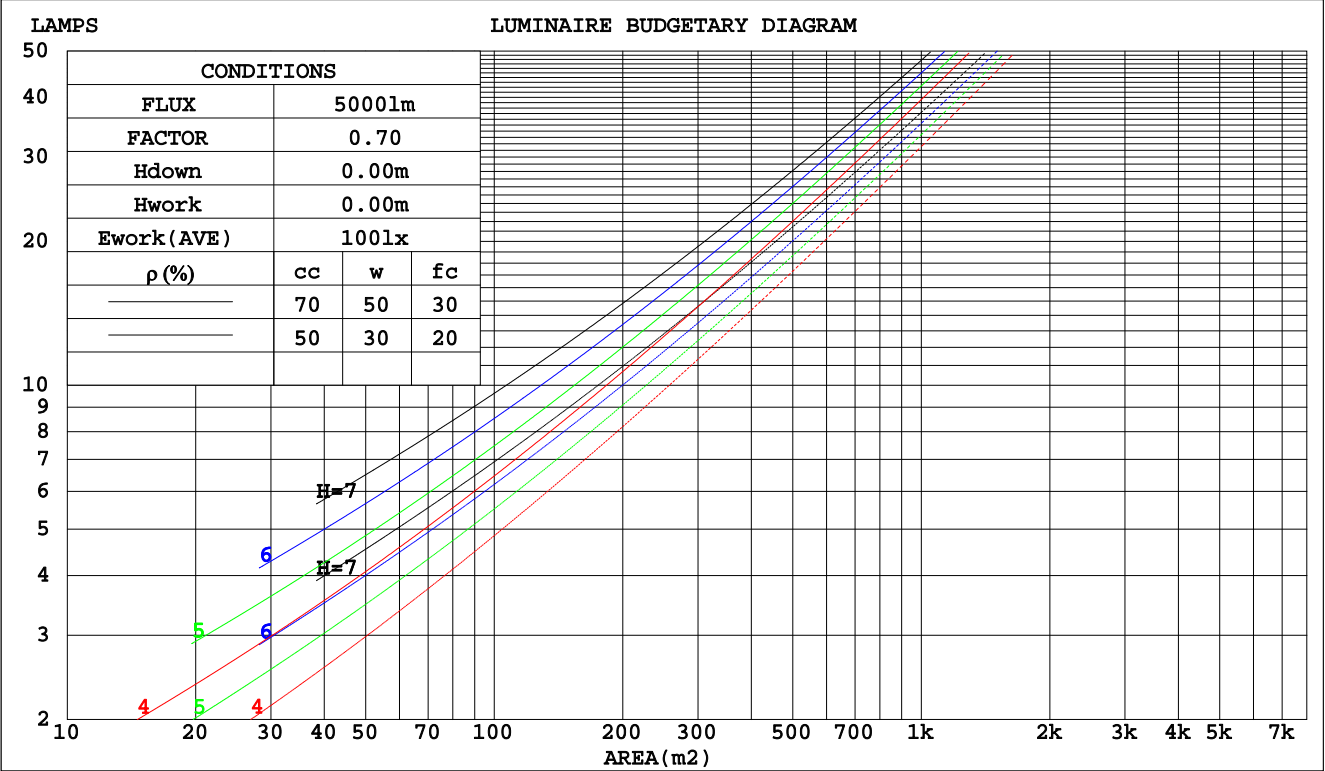
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.9DEG
Operators:Alan Wang
Test Date:27 December 2024

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:0.2513A P:26.27W PF:0.8712 Freq:60.00Hz Lamp Flux:2134.37x1 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	.68	.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	.67	.58	.52	.60	.53	.48	.54	.49	.44	.49	.45	.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	.37	.32	.39	.33	.29	.27
6.0	.49	.39	.33	.46	.38	.32	.42	.35	.30	.38	.32	.28	.35	.30	.26	.23
7.0	.44	.35	.29	.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:0.2513A P:26.27W PF:0.8712 Freq:60.00Hz Lamp Flux:2134.37x1 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	.176	.054	.296	.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	.265	.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	.364	.364	.364	.311	.311	.311	.212	.212	.212	.122	.122	.122	.039	.039	.039	
1.0	.360	.330	.303	.308	.283	.261	.211	.195	.180	.121	.113	.105	.039	.036	.034	
2.0	.354	.308	.269	.303	.265	.232	.208	.183	.162	.120	.107	.095	.038	.034	.031	
3.0	.346	.291	.248	.297	.251	.215	.204	.175	.151	.118	.102	.089	.038	.033	.029	
4.0	.339	.279	.234	.290	.241	.203	.200	.168	.143	.116	.098	.085	.037	.032	.028	
5.0	.331	.269	.224	.284	.233	.195	.196	.163	.138	.113	.096	.082	.037	.031	.027	
6.0	.323	.261	.217	.278	.226	.189	.192	.159	.134	.111	.093	.079	.036	.030	.026	
7.0	.316	.255	.212	.272	.221	.185	.188	.155	.131	.109	.091	.078	.035	.030	.026	
8.0	.310	.249	.208	.267	.216	.181	.185	.152	.129	.107	.090	.077	.035	.029	.025	
9.0	.304	.245	.205	.262	.212	.179	.181	.149	.127	.106	.088	.076	.034	.029	.025	
10.0	.298	.241	.203	.257	.209	.177	.178	.147	.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:0.2513A P:26.27W PF:0.8712 Freq:60.00Hz Lamp Flux:2134.37x1 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	19.0	20.3	19.5	20.9	21.5	22.0	23.3	22.6	23.9	24.6
	3H	20.3	21.6	20.9	22.2	22.9	24.8	26.1	25.4	26.7	27.4
	4H	20.9	22.0	21.5	22.6	23.4	26.4	27.6	27.0	28.2	28.9
	6H	21.2	22.3	21.8	22.9	23.7	28.2	29.2	28.8	29.9	30.6
	8H	21.3	22.3	21.9	23.0	23.7	29.1	30.2	29.8	30.8	31.6
	12H	21.3	22.3	22.0	23.0	23.8	30.2	31.2	30.9	31.9	32.7
4H	2H	20.4	21.5	21.0	22.2	22.9	22.5	23.7	23.1	24.3	25.0
	3H	22.1	23.1	22.8	23.8	24.5	25.6	26.6	26.3	27.3	28.1
	4H	22.8	23.8	23.5	24.4	25.2	27.4	28.3	28.1	29.0	29.8
	6H	23.4	24.2	24.1	24.9	25.8	29.4	30.2	30.1	30.9	31.8
	8H	23.6	24.3	24.3	25.1	25.9	30.5	31.3	31.2	32.0	32.8
	12H	23.7	24.4	24.4	25.1	26.0	31.7	32.5	32.5	33.2	34.1
8H	4H	24.3	25.0	25.0	25.7	26.6	27.7	28.5	28.4	29.2	30.1
	6H	25.3	25.9	26.0	26.7	27.6	30.0	30.7	30.8	31.4	32.3
	8H	25.7	26.3	26.5	27.1	28.0	31.4	31.9	32.1	32.7	33.6
	12H	26.0	26.5	26.8	27.3	28.3	32.9	33.4	33.7	34.2	35.1
12H	4H	24.7	25.4	25.5	26.2	27.0	27.7	28.5	28.5	29.2	30.1
	6H	26.1	26.6	26.8	27.4	28.3	30.1	30.7	30.9	31.5	32.4
	8H	26.7	27.2	27.5	28.0	28.9	31.6	32.1	32.4	32.9	33.8
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, 2134 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.6$)
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:0.2513A P:26.27W PF:0.8712 Freq:60.00Hz Lamp Flux:2134.37x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

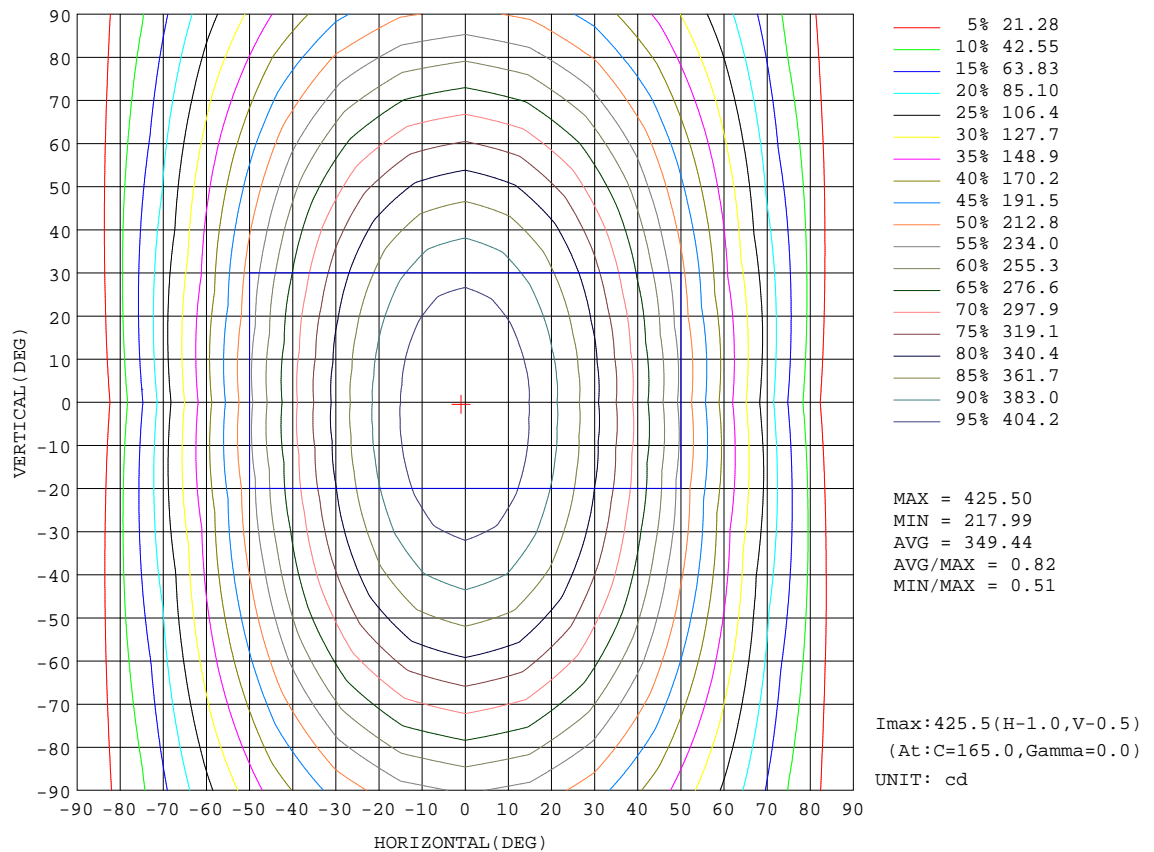
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	34	27	45	33	26	43	32	26	19
0.80	55	42	34	54	41	34	50	40	33	25
1.00	63	50	41	61	49	41	57	49	39	30
1.25	70	57	48	67	55	47	62	53	45	35
1.50	75	62	54	72	61	53	67	57	50	39
2.00	82	71	62	79	69	61	73	64	58	45
2.50	87	76	68	83	74	66	76	68	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	56
5.00	98	91	85	94	88	82	86	81	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:0.2513A P:26.27W PF:0.8712 Freq:60.00Hz Lamp Flux:2134.37x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:



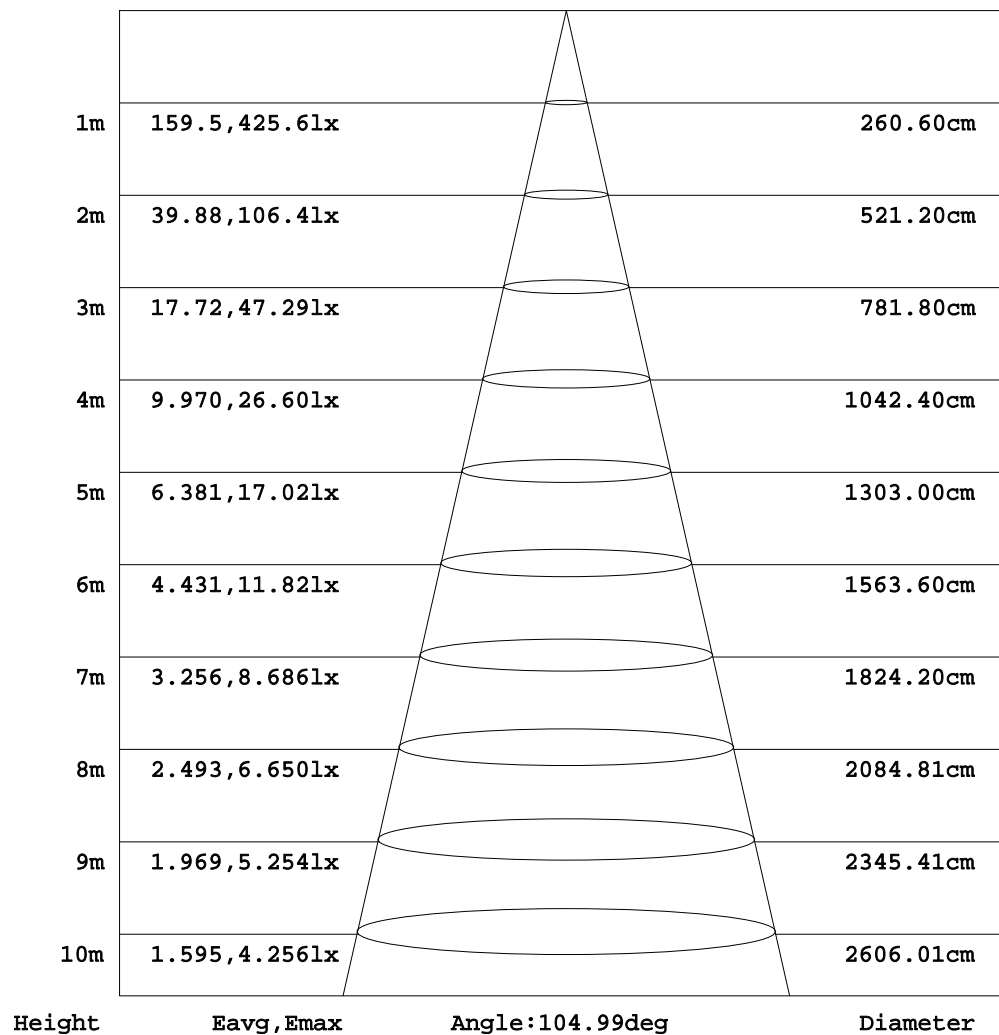
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Alan Wang
 Test Date: 27 December 2024

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:0.2513A P:26.27W PF:0.8712 Freq:60.00Hz Lamp Flux:2134.37x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

Flux out:882.5 lm



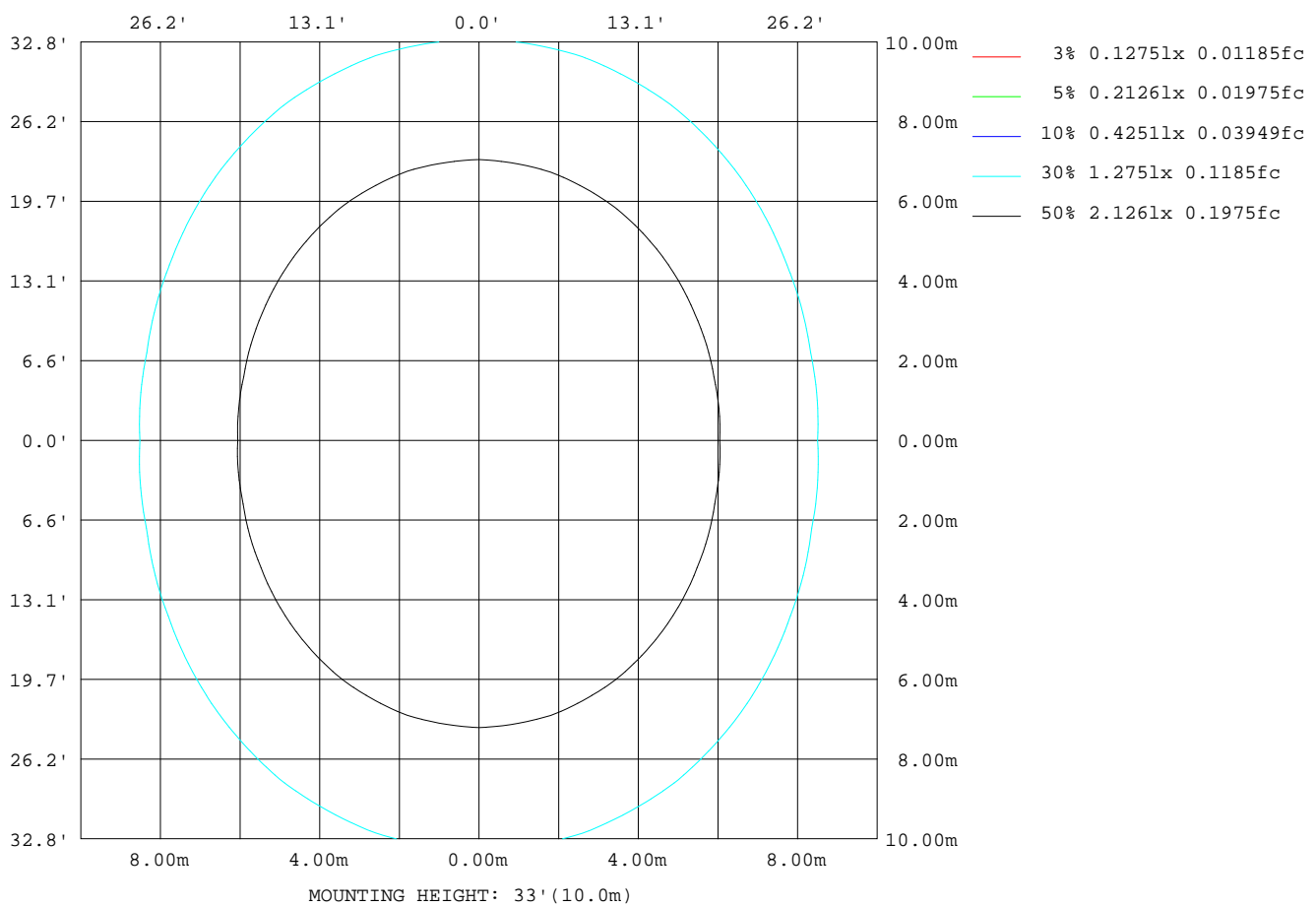
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2513A P:26.27W PF:0.8712 Freq:60.00Hz Lamp Flux:2134.37x1 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:0.2513A P:26.27W PF:0.8712 Freq:60.00Hz Lamp Flux:2134.37x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

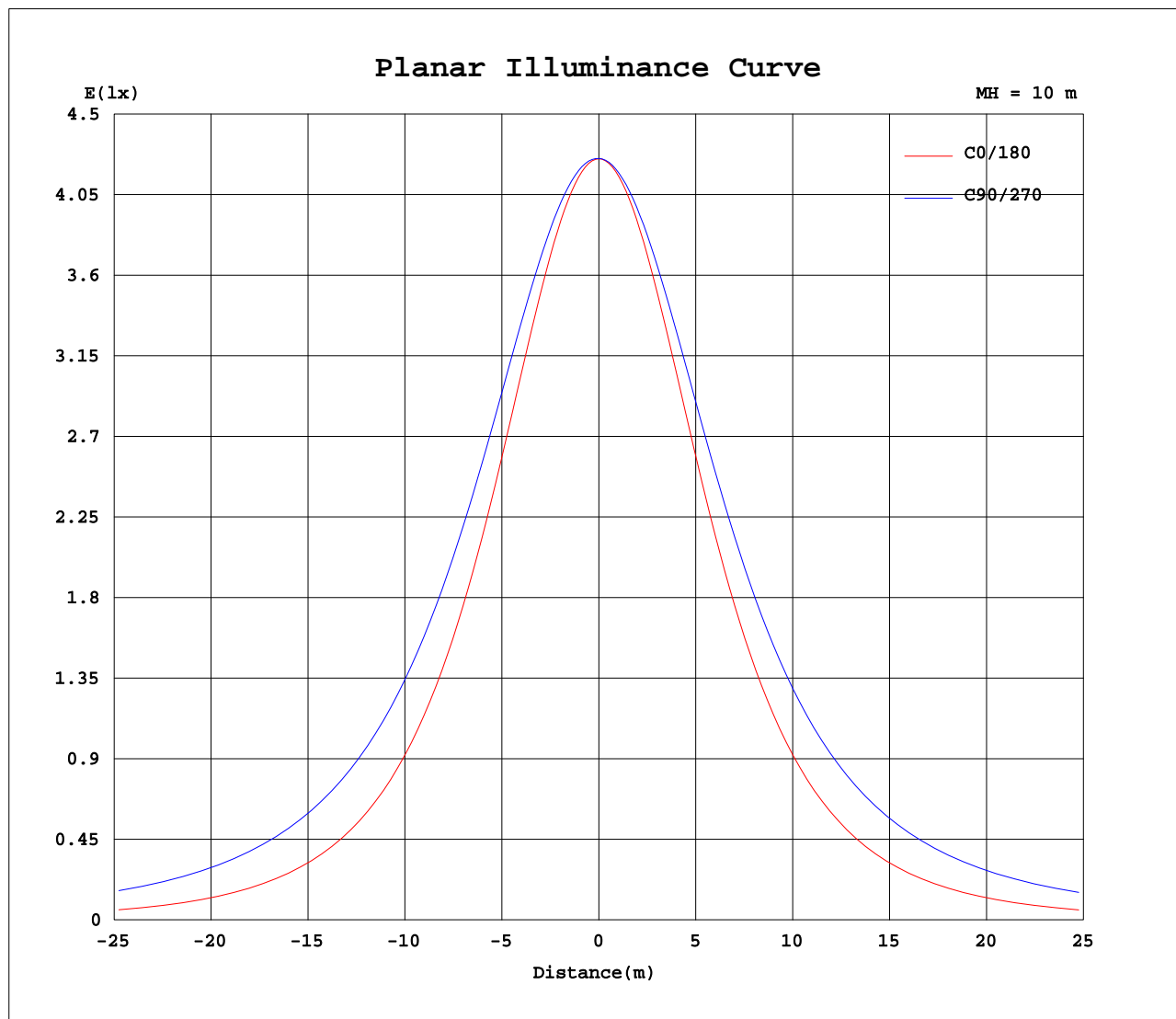
AvgL	cd/m2
L_0~180(65)av	8573
L_0~180(75)av	6796
L_0~180(85)av	3176
L_90~270(65)av	20917
L_90~270(75)av	30437
L_90~270(85)av	79219
L_45(65)av	16119
L_45(75)av	22043
L_45(85)av	54202

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:0.2513A P:26.27W PF:0.8712 Freq:60.00Hz Lamp Flux:2134.37x1 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	425	425	425	425	425	425	425	425	425	425	425	426	425	425	425	425	425	425	425
5	423	423	423	424	425	425	425	425	425	424	424	423	423	423	423	423	424	424	424
10	415	416	418	420	422	424	424	424	423	420	419	417	416	416	417	419	420	421	422
15	404	405	409	413	418	421	422	421	418	414	409	406	404	405	408	411	415	417	418
20	388	390	396	404	411	416	418	417	411	404	397	391	389	390	395	401	407	412	413
25	368	372	380	392	403	411	413	411	403	392	381	372	369	371	379	388	398	405	407
30	345	350	362	378	393	403	407	403	393	378	362	350	346	349	360	374	387	396	399
35	319	326	342	362	381	395	400	395	381	361	341	326	320	325	339	357	374	386	389
40	291	299	319	344	368	385	390	384	368	344	318	299	291	298	316	339	360	374	378
45	260	271	296	326	354	373	379	372	353	325	295	270	261	270	293	320	345	361	366
50	229	241	271	307	339	360	367	359	337	305	270	240	229	240	268	300	328	346	352
55	196	211	246	287	322	345	353	344	321	285	245	210	196	210	243	279	310	330	337
60	162	181	222	267	305	330	338	329	304	265	220	179	162	180	218	259	292	314	321
65	128	151	198	247	287	313	322	313	286	245	196	149	128	150	193	238	274	297	304
70	96.2	123	175	227	270	297	305	296	268	225	173	120	94.4	121	170	218	256	279	287
75	62.4	95.5	154	209	252	279	288	278	250	206	151	93.7	62.2	95.2	149	198	238	262	269
80	32.9	72.7	134	191	234	262	271	261	233	189	132	70.3	33.0	72.2	129	180	220	245	252
85	9.77	54.1	118	174	218	245	254	244	216	172	115	51.8	9.82	53.7	112	164	203	227	235
90	0.45	41.4	103	158	201	228	237	227	200	156	101	39.5	0.47	40.9	97.7	148	187	210	218
95	1.13	34.0	91.0	144	186	211	220	210	184	142	89.0	32.4	1.14	33.0	85.6	134	171	194	201
100	2.12	29.1	81.3	131	171	195	203	194	169	130	79.6	27.8	2.11	27.8	75.7	121	156	178	185
105	3.53	24.8	73.0	120	156	179	187	179	155	118	71.6	23.8	3.51	23.2	67.5	109	142	163	169
110	5.48	21.5	65.3	108	143	164	171	163	142	107	64.1	20.6	5.38	19.4	59.7	98.7	129	148	154
115	8.02	21.0	58.4	97.5	129	149	156	149	128	96.5	57.5	20.4	7.76	18.5	52.6	88.2	117	134	140
120	10.7	21.6	52.1	87.1	116	134	140	134	115	86.4	51.4	21.2	10.3	18.5	46.3	78.3	104	120	125
125	13.2	22.7	46.3	77.4	103	119	125	119	103	76.9	45.8	22.3	13.0	18.4	40.4	68.8	91.7	106	111
130	15.7	23.7	42.3	68.1	90.5	105	110	105	90.2	67.8	42.0	23.4	15.3	18.4	36.8	59.9	80.0	92.8	97.0
135	17.7	24.6	39.5	59.4	78.7	91.5	95.8	91.3	78.6	59.3	39.3	24.4	17.4	20.6	34.1	51.5	68.9	80.0	83.7
140	19.8	25.4	37.1	52.4	67.6	78.3	82.0	78.3	67.6	52.3	37.0	25.2	19.4	20.8	31.7	45.3	58.3	67.8	71.0
145	21.5	26.0	35.2	46.9	58.0	66.1	69.2	66.1	58.0	46.9	35.2	25.9	21.3	21.9	28.3	40.1	49.8	56.7	59.2
150	23.1	26.5	33.7	42.3	50.7	56.7	58.7	56.7	50.8	42.3	33.6	26.5	22.9	21.9	25.1	35.5	43.0	48.2	50.1
155	24.2	27.0	32.4	38.5	44.5	48.8	50.4	48.9	44.6	38.6	32.4	27.0	24.3	21.4	27.2	31.0	37.1	41.0	42.8
160	24.6	27.1	31.4	35.5	39.4	42.2	43.3	42.3	39.5	35.5	31.5	26.7	25.4	21.4	26.7	28.2	32.6	35.5	37.1
165	22.4	24.5	30.6	33.0	35.3	36.9	37.5	37.0	35.4	33.1	29.9	23.7	23.0	20.7	23.5	27.9	28.4	31.4	32.6
170	18.4	19.1	26.6	30.5	32.0	32.8	33.1	32.9	31.7	25.7	21.5	18.7	18.4	18.2	17.7	20.0	24.5	27.4	28.6
175	15.5	15.5	16.3	18.4	26.2	28.5	27.3	25.4	16.6	15.3	15.2	15.2	15.2	15.2	15.0	14.9	14.7	15.7	18.9
180	23.5	22.9	21.0	16.7	15.4	5.05	0.00	9.77	12.9	18.4	20.9	23.1	21.9	21.9	21.4	19.7	16.8	12.8	7.99

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:0.2513A P:26.27W PF:0.8712 Freq:60.00Hz Lamp Flux:2134.37x1 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	425	425	425	425	426													
5	424	424	423	423	423													
10	421	420	418	417	416													
15	417	414	410	407	405													
20	411	406	400	394	390													
25	404	397	387	378	371													
30	395	385	372	358	349													
35	385	372	355	337	324													
40	373	358	336	314	297													
45	359	342	317	290	269													
50	344	325	297	265	239													
55	329	307	276	240	208													
60	312	289	255	215	178													
65	295	271	234	190	147													
70	278	253	214	166	119													
75	260	235	195	145	91.8													
80	243	217	176	125	68.2													
85	226	200	160	108	49.2													
90	208	184	144	93.1	36.4													
95	192	168	130	81.2	28.9													
100	177	154	117	71.6	24.0													
105	162	140	106	63.6	19.7													
110	147	127	95.4	56.0	16.7													
115	133	114	85.2	49.3	15.9													
120	119	102	75.5	43.2	16.6													
125	105	89.8	66.3	37.9	17.5													
130	91.9	78.3	57.7	34.5	18.5													
135	79.3	67.4	49.7	31.8	19.5													
140	67.3	57.3	43.7	30.2	19.7													
145	56.5	49.2	39.0	28.0	20.1													
150	48.3	43.2	35.8	27.9	21.6													
155	41.8	38.6	33.9	28.5	23.3													
160	36.9	35.1	32.3	28.4	24.8													
165	32.8	32.1	30.7	28.7	25.4													
170	29.7	29.7	29.2	26.9	20.9													
175	24.2	25.8	22.6	17.1	15.5													
180	0.00	7.70	12.6	17.1	20.0													

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

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: