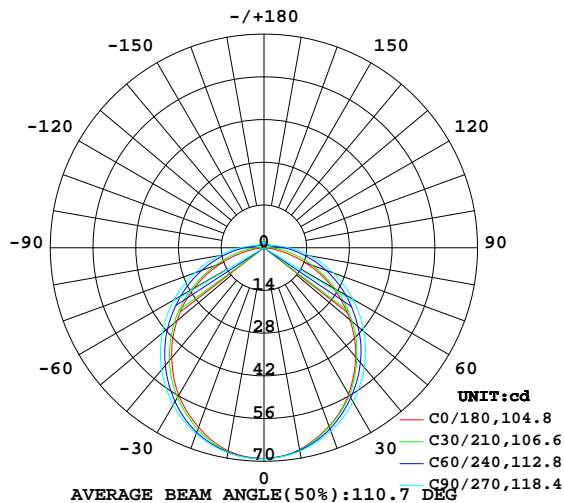


LUMINAIRE PHOTOMETRIC TEST REPORT

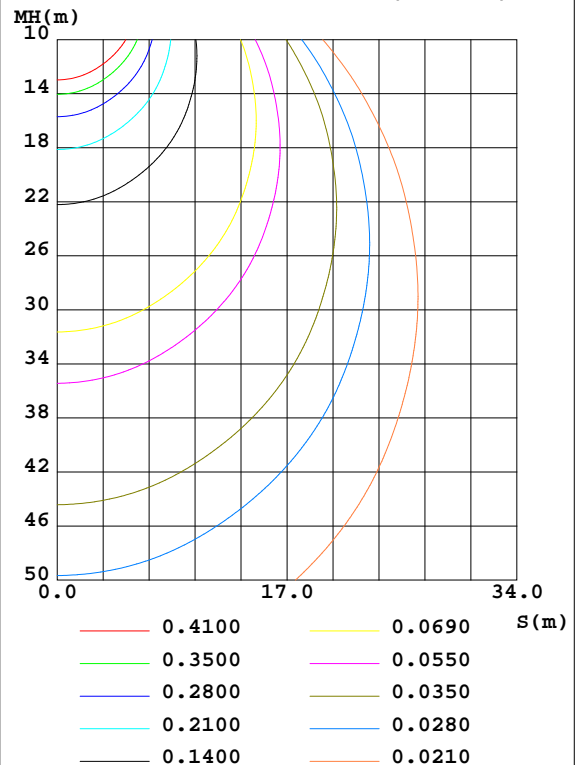
Test:U:120.0V I:0.0443A P:5.09W PF:0.9584 Freq:60.00Hz Lamp Flux:210.05x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 41.27 lm/W			
MODEL	C06018301A	Imax(cd)	69.37	S/MH(C0/180)	1.21
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	210.05	η UP,DN(C0-180)	2.7,47.1
NOMINAL FLUX(lm)	210.05	CIE CLASS	DIRECT	η UP,DN(C180-360)	2.7,47.5
LAMPS INSIDE	1	η up(%)	5.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	94.6	CIBSE SHR MAX	1.35

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

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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	67.14	67.32	67.65	67.71	67.57	67.97	68.19	67.88	0- 10	6.528	6.528	3.11,3.11
20	62.25	62.66	63.95	63.41	62.62	63.90	64.89	63.56	10- 20	18.57	25.09	11.9,11.9
30	55.46	56.27	58.30	56.74	55.86	57.33	59.43	57.32	20- 30	27.87	52.96	25.2,25.2
40	46.78	48.13	51.09	48.80	47.06	49.30	52.17	49.26	30- 40	33.29	86.26	41.1,41.1
50	36.81	38.86	42.73	39.37	37.18	39.63	43.52	39.74	40- 50	34.31	120.6	57.4,57.4
60	25.95	28.85	33.62	29.38	26.40	29.35	33.98	29.36	50- 60	31.02	151.6	72.2,72.2
70	14.53	19.38	24.19	19.74	15.06	19.56	24.11	19.42	60- 70	24.21	175.8	83.7,83.7
80	4.148	10.77	15.27	11.05	4.547	10.66	14.87	10.51	70- 80	15.41	191.2	91,91
90	0.0707	4.804	8.168	4.915	0.0753	4.712	7.858	4.557	80- 90	7.602	198.8	94.6,94.6
100	0.1146	2.053	4.080	2.028	0.1113	2.078	4.047	2.026	90-100	3.303	202.1	96.2,96.2
110	0.3520	1.433	2.477	1.394	0.3453	1.443	2.546	1.431	100-110	1.780	203.9	97.1,97.1
120	0.6320	1.361	1.975	1.330	0.6167	1.296	2.015	1.327	110-120	1.348	205.2	97.7,97.7
130	0.9023	1.460	1.851	1.437	0.8750	1.345	1.844	1.410	120-130	1.216	206.5	98.3,98.3
140	1.118	1.599	1.863	1.588	1.084	1.521	1.812	1.570	130-140	1.135	207.6	98.8,98.8
150	1.244	1.761	1.907	1.755	1.214	1.682	1.853	1.737	140-150	1.011	208.6	99.3,99.3
160	1.382	1.904	1.971	1.901	1.367	1.855	1.931	1.877	150-160	0.8105	209.4	99.7,99.7
170	1.163	1.954	2.003	1.480	1.158	1.354	1.934	1.964	160-170	0.5054	209.9	99.9,99.9
180	1.687	1.211	0.3398	1.294	1.615	1.469	0.7334	1.027	170-180	0.1354	210.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 103.56 lm

%lum = 49.3%

%lamp = 49.3%

Conical surface Flux(120deg): 151.58 lm

%lum = 72.2%

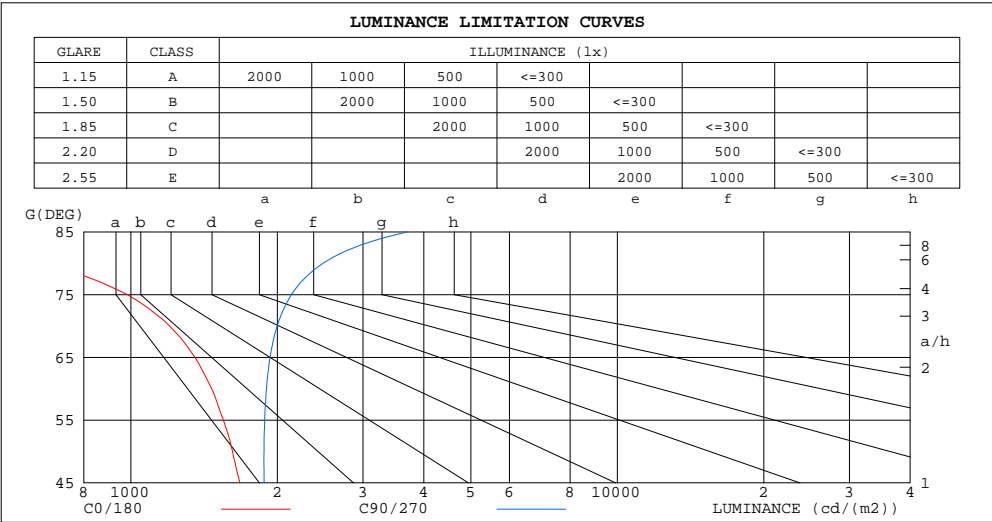
%lamp = 72.2%

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:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.0443A P:5.09W PF:0.9584 Freq:60.00Hz Lamp Flux:210.05x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:



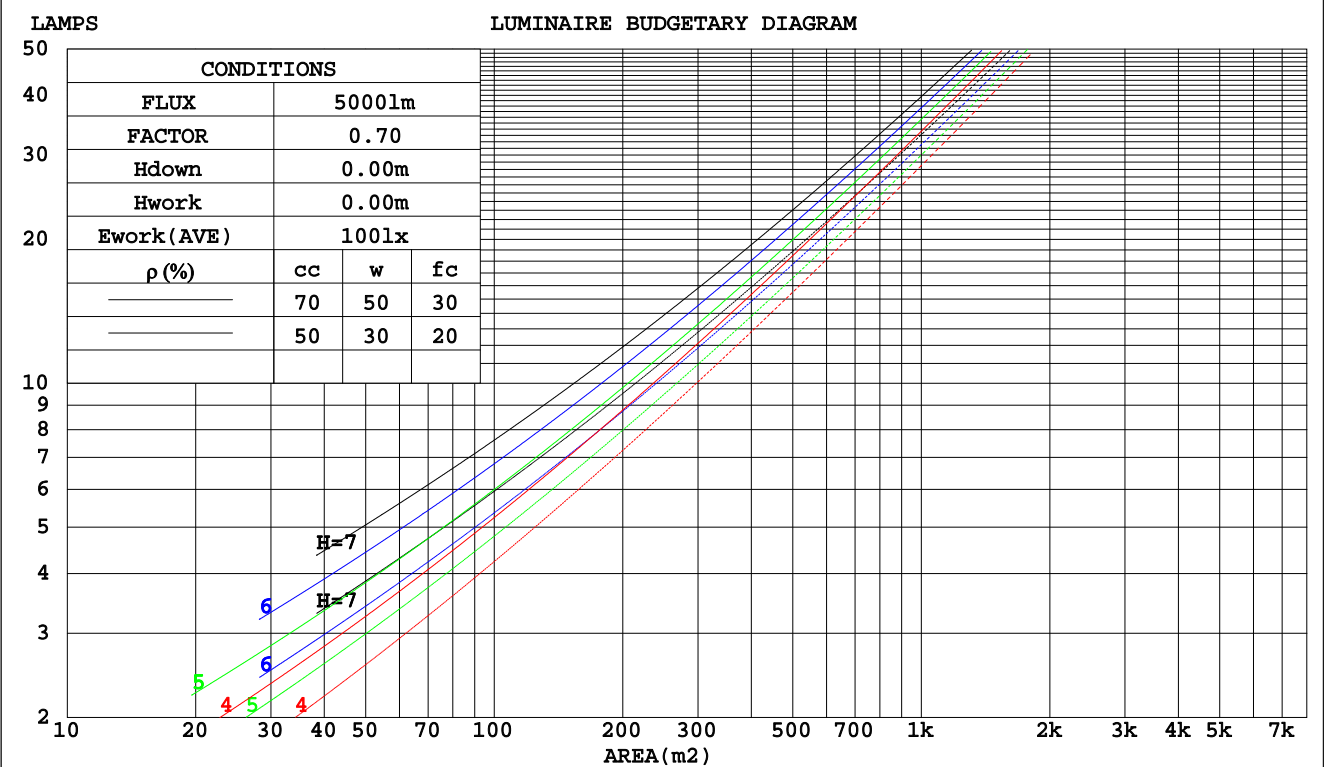
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.7DEG
Operators:Alan Wang
Test Date:26 December 2024

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:0.0443A P:5.09W PF:0.9584 Freq:60.00Hz Lamp Flux:210.05x1 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	1.18	1.18	1.18	1.14	1.14	1.14	1.08	1.08	1.08	1.02	1.02	1.02	.97	.97	.97	.95
1.0	1.02	.97	.93	.99	.95	.91	.94	.90	.87	.89	.86	.83	.84	.82	.80	.77
2.0	.88	.81	.75	.86	.79	.74	.81	.76	.71	.77	.73	.69	.74	.70	.67	.64
3.0	.77	.69	.62	.75	.68	.61	.72	.65	.60	.68	.63	.58	.65	.60	.56	.54
4.0	.68	.59	.53	.67	.58	.52	.64	.56	.51	.61	.54	.49	.58	.53	.48	.46
5.0	.61	.52	.45	.60	.51	.45	.57	.49	.44	.54	.48	.43	.52	.46	.42	.40
6.0	.55	.46	.39	.54	.45	.39	.51	.44	.38	.49	.43	.38	.47	.41	.37	.35
7.0	.50	.41	.35	.49	.40	.34	.47	.39	.34	.45	.38	.33	.43	.37	.33	.31
8.0	.45	.37	.31	.45	.36	.31	.43	.35	.30	.41	.35	.30	.40	.34	.29	.27
9.0	.42	.33	.28	.41	.33	.28	.39	.32	.27	.38	.31	.27	.36	.31	.26	.25
10.0	.38	.31	.25	.38	.30	.25	.36	.29	.25	.35	.29	.24	.34	.28	.24	.22



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:

WEC AND CCEC

Test:U:120.0V I:0.0443A P:5.09W PF:0.9584 Freq:60.00Hz Lamp Flux:210.05x1 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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.329	.187	.059	.320	.183	.058	.304	.174	.056	.289	.166	.053	.275	.159	.051		
2.0	.301	.165	.051	.293	.161	.050	.278	.155	.048	.265	.149	.046	.252	.143	.045		
3.0	.275	.146	.044	.268	.143	.043	.255	.138	.042	.243	.133	.041	.231	.128	.040		
4.0	.252	.131	.038	.246	.128	.038	.234	.124	.037	.223	.120	.036	.213	.116	.035		
5.0	.232	.118	.034	.226	.116	.034	.216	.112	.033	.206	.109	.032	.197	.105	.032		
6.0	.214	.107	.031	.209	.106	.030	.200	.102	.030	.191	.099	.029	.183	.096	.029		
7.0	.199	.098	.028	.194	.097	.028	.186	.094	.027	.178	.091	.027	.171	.089	.026		
8.0	.186	.091	.025	.182	.089	.025	.174	.087	.025	.167	.084	.024	.160	.082	.024		
9.0	.174	.084	.023	.170	.083	.023	.163	.081	.023	.156	.078	.022	.150	.076	.022		
10.0	.163	.078	.022	.160	.077	.022	.153	.075	.021	.147	.073	.021	.142	.071	.020		

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.231	.231	.231	.198	.198	.198	.135	.135	.135	.077	.077	.077	.025	.025	.025	
1.0	.223	.197	.174	.191	.169	.150	.130	.116	.104	.075	.067	.060	.024	.022	.019	
2.0	.215	.173	.138	.184	.149	.120	.126	.103	.083	.073	.060	.049	.023	.019	.016	
3.0	.207	.156	.115	.177	.135	.100	.122	.093	.070	.070	.055	.041	.023	.018	.014	
4.0	.199	.143	.100	.171	.123	.087	.118	.086	.061	.068	.050	.036	.022	.016	.012	
5.0	.192	.133	.089	.165	.115	.077	.113	.080	.055	.066	.047	.032	.021	.015	.011	
6.0	.185	.124	.081	.159	.108	.071	.109	.075	.050	.063	.044	.030	.020	.014	.010	
7.0	.178	.118	.075	.153	.102	.066	.106	.071	.047	.061	.042	.028	.020	.014	.009	
8.0	.171	.112	.071	.147	.097	.062	.102	.068	.044	.059	.040	.026	.019	.013	.009	
9.0	.165	.107	.068	.142	.093	.059	.099	.065	.042	.057	.039	.025	.019	.013	.008	
10.0	.159	.103	.065	.137	.089	.057	.095	.063	.040	.056	.037	.024	.018	.012	.008	

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:0.0443A P:5.09W PF:0.9584 Freq:60.00Hz Lamp Flux:210.05x1 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	13.7	15.2	14.1	15.5	15.8	14.8	16.2	15.1	16.5	16.9
	3H	15.0	16.3	15.4	16.7	17.0	16.7	18.1	17.1	18.4	18.8
	4H	15.4	16.7	15.8	17.0	17.4	17.7	19.0	18.1	19.3	19.7
	6H	15.5	16.8	16.0	17.1	17.5	18.6	19.8	19.0	20.2	20.6
	8H	15.6	16.7	16.0	17.1	17.5	19.1	20.3	19.5	20.7	21.1
	12H	15.6	16.7	16.0	17.1	17.5	19.6	20.8	20.1	21.2	21.6
4H	2H	14.5	15.7	14.8	16.1	16.5	15.3	16.6	15.7	16.9	17.3
	3H	15.9	17.0	16.3	17.4	17.8	17.4	18.6	17.9	19.0	19.4
	4H	16.4	17.4	16.9	17.9	18.3	18.6	19.6	19.0	20.0	20.5
	6H	16.7	17.6	17.2	18.1	18.5	19.7	20.6	20.2	21.1	21.6
	8H	16.7	17.6	17.2	18.1	18.6	20.3	21.2	20.8	21.6	22.1
	12H	16.8	17.5	17.3	18.0	18.5	21.0	21.7	21.5	22.2	22.7
8H	4H	16.9	17.8	17.4	18.3	18.8	18.8	19.7	19.3	20.1	20.6
	6H	17.4	18.1	18.0	18.6	19.2	20.2	20.9	20.7	21.4	21.9
	8H	17.6	18.2	18.1	18.7	19.3	20.9	21.6	21.5	22.1	22.7
	12H	17.7	18.2	18.2	18.8	19.4	21.8	22.4	22.4	22.9	23.5
12H	4H	17.1	17.8	17.6	18.3	18.8	18.8	19.6	19.3	20.1	20.6
	6H	17.7	18.3	18.2	18.8	19.4	20.2	20.9	20.8	21.4	22.0
	8H	17.9	18.5	18.5	19.0	19.6	21.1	21.6	21.6	22.2	22.8
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3					

CIE Pub.117, 210.0 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -5.4$)
Area: 0.0354 m²

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:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.0443A P:5.09W PF:0.9584 Freq:60.00Hz Lamp Flux:210.05x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

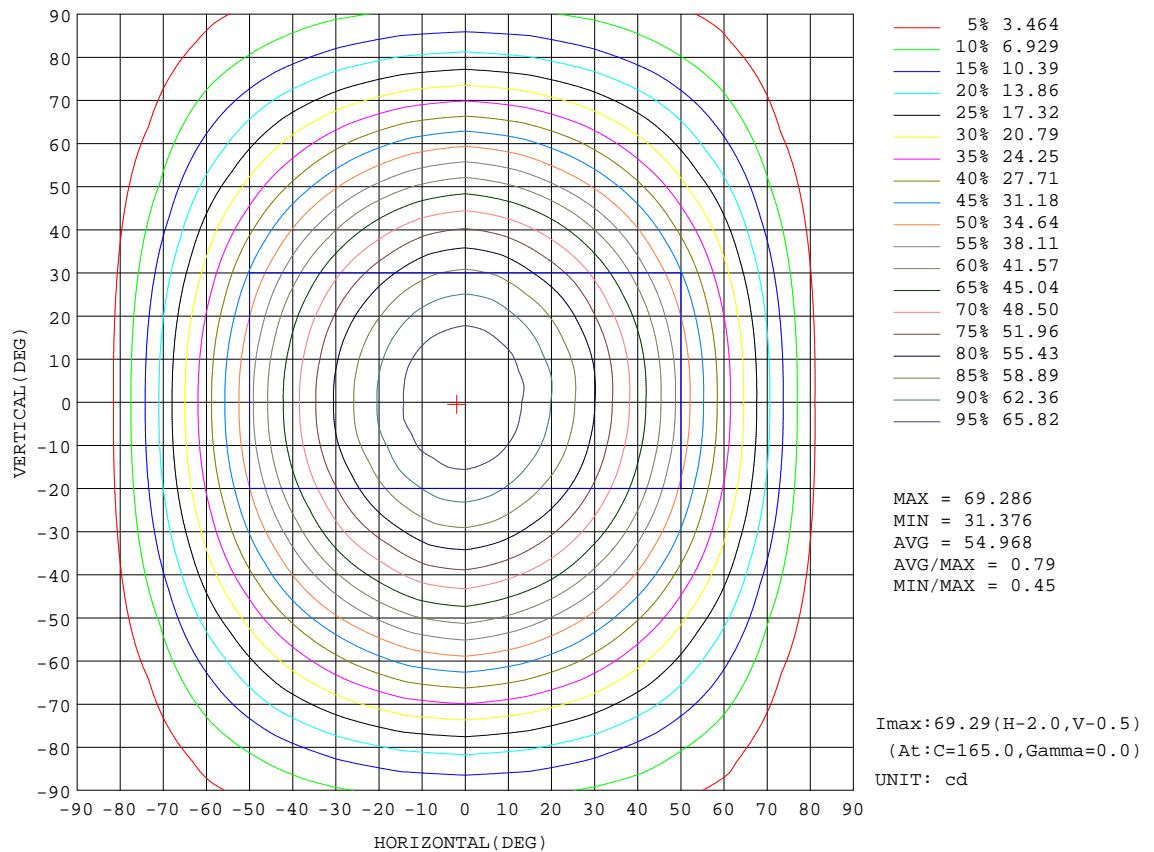
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	55	44	37	54	43	36	53	43	36	30
0.80	65	53	46	64	53	46	62	52	45	38
1.00	73	62	54	72	61	54	69	62	53	46
1.25	80	69	62	79	68	61	75	67	60	52
1.50	85	75	67	83	74	67	80	72	65	57
2.00	92	83	76	90	81	75	86	79	73	64
2.50	96	88	81	94	86	80	89	83	78	68
3.00	100	92	86	97	90	85	92	87	82	72
4.00	104	97	92	101	95	91	96	91	87	77
5.00	106	101	96	103	98	94	98	94	91	80
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

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:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.0443A P:5.09W PF:0.9584 Freq:60.00Hz Lamp Flux:210.05x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:



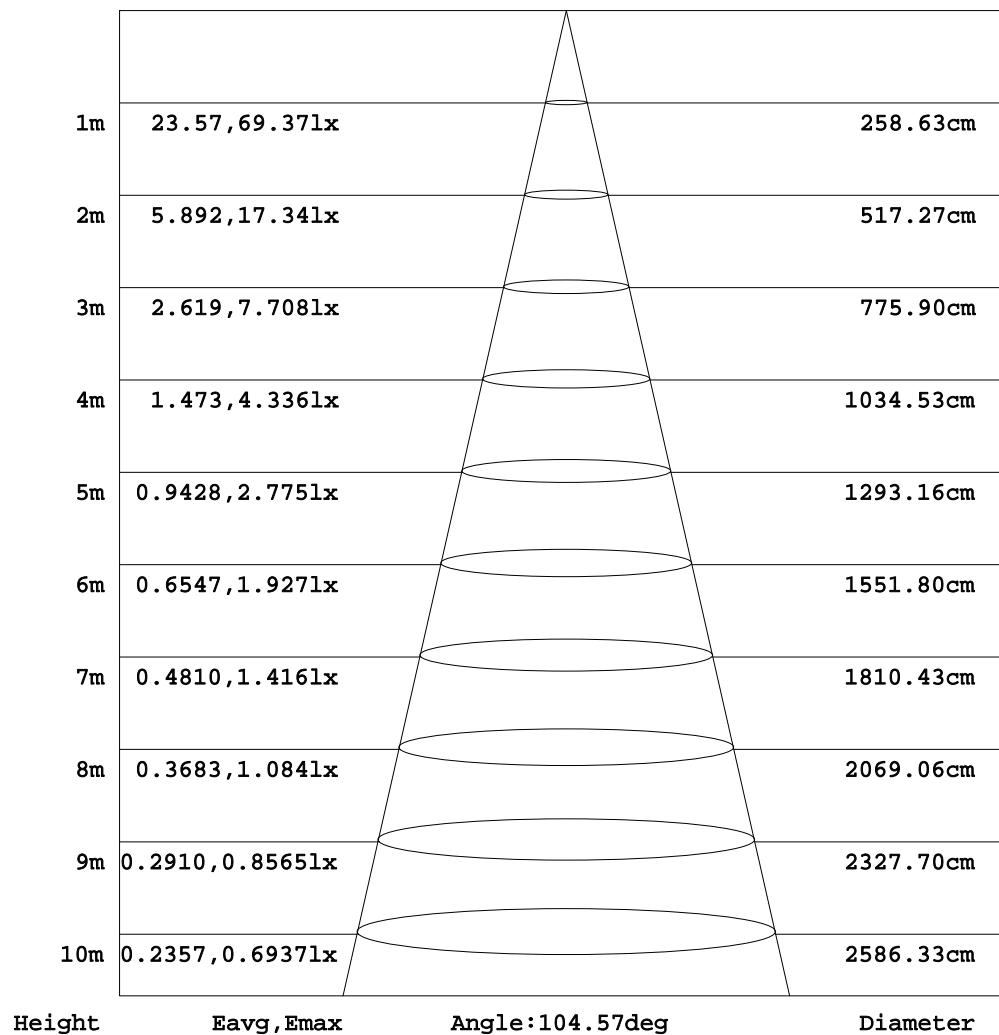
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.7DEG
Operators:Alan Wang
Test Date:26 December 2024

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:

AAI Figure

Test:U:120.0V I:0.0443A P:5.09W PF:0.9584 Freq:60.00Hz Lamp Flux:210.05x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

Flux out:130.4 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

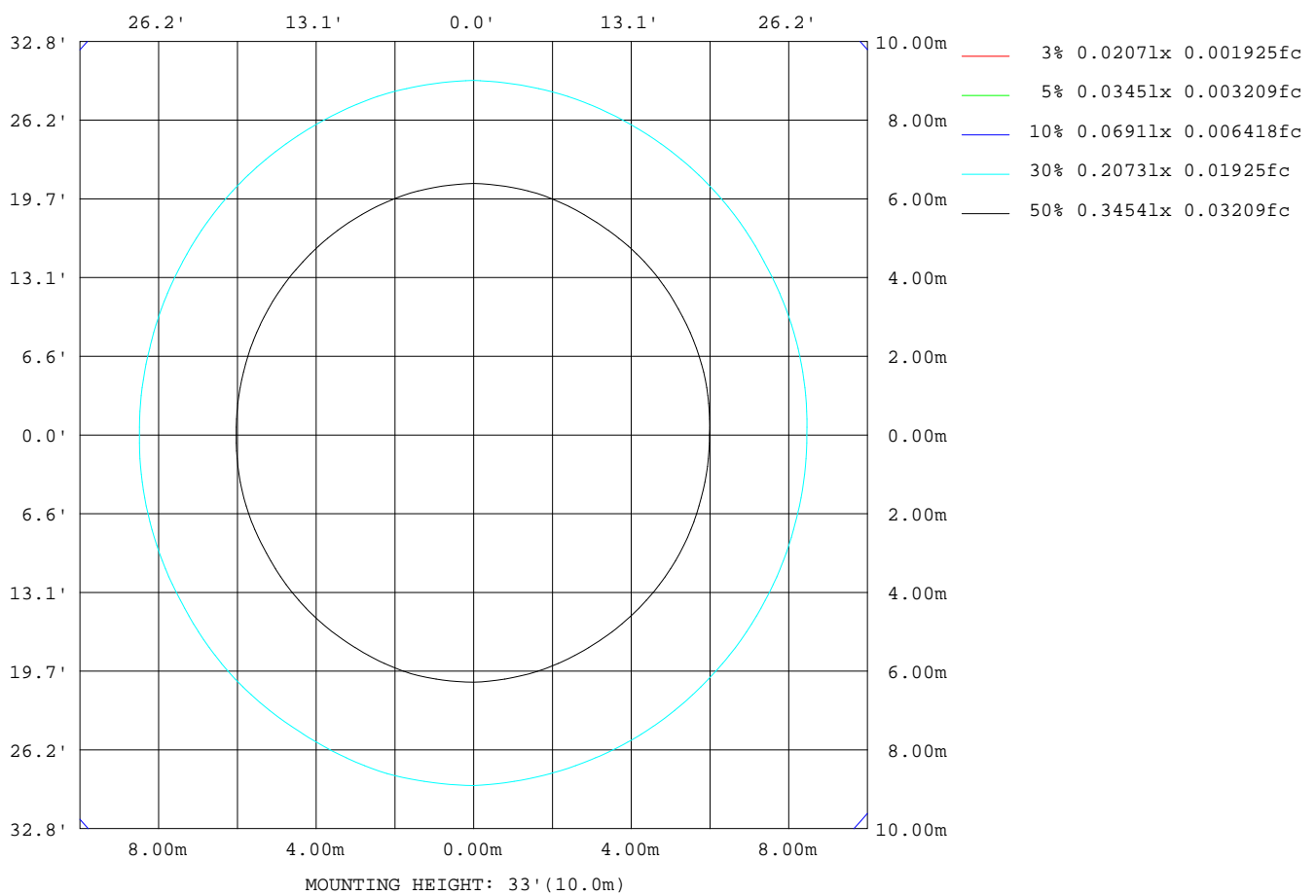
Humidity: 41.3%

Test Distance: 2.500m [K=1.0250]

Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.0443A P:5.09W PF:0.9584 Freq:60.00Hz Lamp Flux:210.05x1 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:

LED Avg.L Report

Test:U:120.0V I:0.0443A P:5.09W PF:0.9584 Freq:60.00Hz Lamp Flux:210.05x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State Lighting, Inc	SUR.:	Shielding Angle:

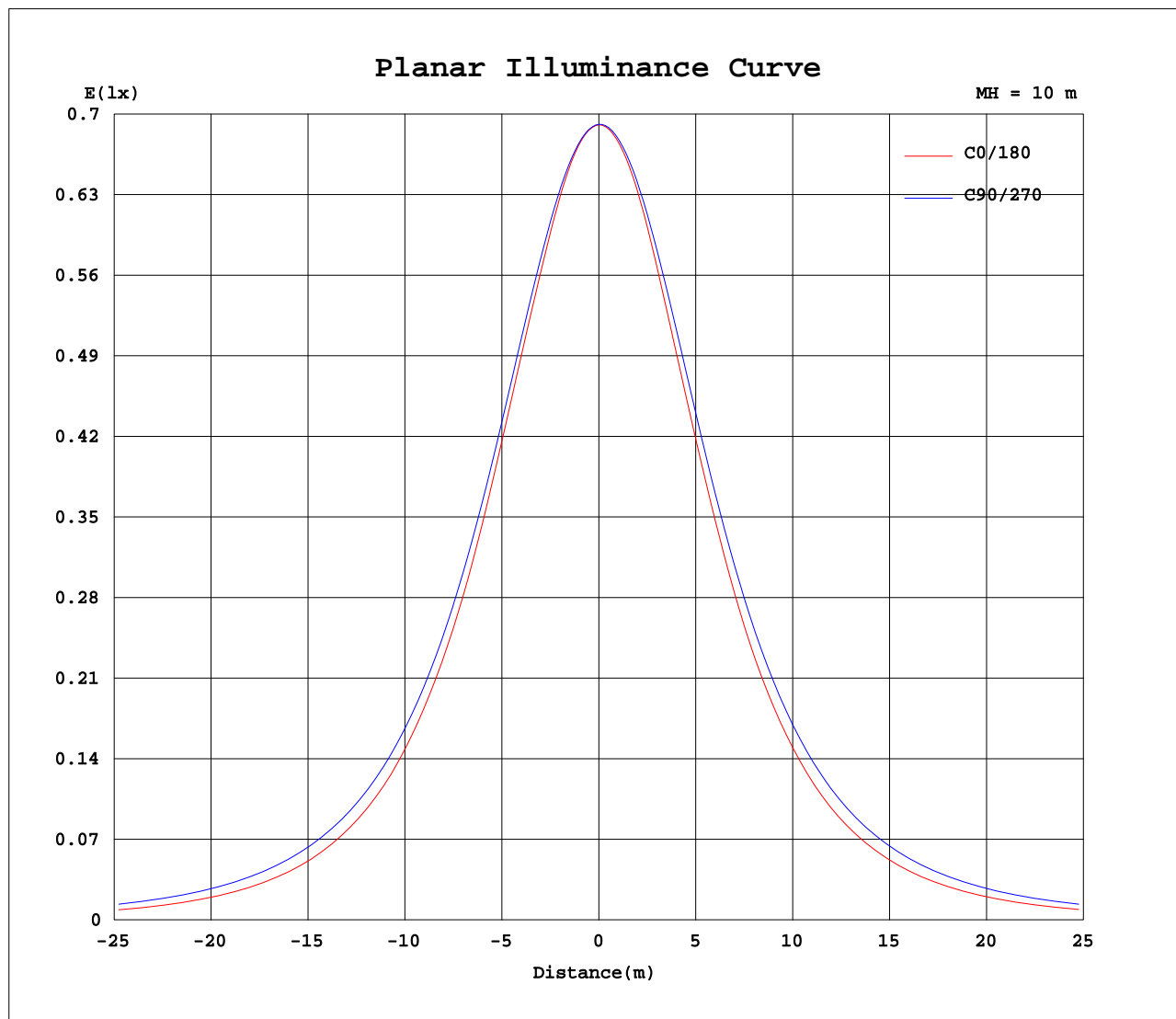
AvgL	cd/m2
L_0~180(65)av	1372
L_0~180(75)av	1010
L_0~180(85)av	474
L_90~270(65)av	1937
L_90~270(75)av	2125
L_90~270(85)av	3636
L_45(65)av	1620
L_45(75)av	1632
L_45(85)av	2353

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

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:

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

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:0.0443A P:5.09W PF:0.9584 Freq:60.00Hz Lamp Flux:210.05x1 lm																			
NAME:										TYPE:LED					WEIGHT:				
SPEC.:										DIM.:					SERIAL No.:				
MFR.: ETi Solid State Lighting, Inc										SUR.:					Shielding Angle:				

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	69.1	69.1	69.2	69.1	69.0	69.0	69.1	69.1	68.9	69.2	69.1	69.4	69.1	69.1	69.2	69.1	69.0	69.0	69.1
5	68.6	68.6	68.7	68.6	68.6	68.5	68.7	68.6	68.5	68.8	68.7	69.0	68.7	68.8	68.9	68.9	68.9	68.8	68.9
10	67.1	67.2	67.3	67.3	67.4	67.5	67.6	67.6	67.4	67.7	67.5	67.8	67.6	67.7	67.9	68.0	68.0	68.0	68.2
15	64.9	64.9	65.1	65.3	65.6	65.8	66.1	66.0	65.8	65.9	65.6	65.7	65.5	65.7	66.0	66.3	66.5	66.6	66.8
20	62.2	62.2	62.4	62.7	63.2	63.6	64.0	63.9	63.5	63.4	62.8	62.8	62.6	62.9	63.4	63.9	64.4	64.7	64.9
25	59.2	59.2	59.4	59.6	60.2	60.9	61.3	61.3	60.7	60.3	59.6	59.7	59.5	59.7	60.2	60.8	61.6	62.1	62.4
30	55.5	55.5	55.9	56.3	56.8	57.7	58.3	58.2	57.4	56.7	56.1	56.1	55.9	56.1	56.7	57.3	58.3	59.1	59.4
35	51.2	51.2	51.7	52.5	53.1	54.1	54.9	54.7	53.6	52.9	52.2	51.9	51.6	52.0	52.7	53.5	54.4	55.6	56.0
40	46.8	46.8	47.3	48.1	49.2	50.1	51.1	50.8	49.5	48.8	47.7	47.3	47.1	47.3	48.2	49.3	50.3	51.6	52.2
45	41.9	42.1	42.7	43.5	44.9	45.9	47.0	46.7	45.3	44.2	43.0	42.6	42.4	42.7	43.4	44.6	45.9	47.3	48.0
50	36.8	36.9	37.7	38.9	40.2	41.6	42.7	42.2	40.8	39.4	38.2	37.5	37.2	37.5	38.5	39.6	41.3	42.7	43.5
55	31.5	31.7	32.6	33.8	35.5	37.1	38.3	37.6	36.0	34.5	33.0	32.3	32.0	32.3	33.1	34.6	36.3	37.9	38.8
60	25.9	26.2	27.2	28.8	30.9	32.6	33.6	33.0	31.2	29.4	27.8	26.8	26.4	26.7	27.8	29.4	31.4	33.1	34.0
65	20.3	20.6	21.8	24.0	26.3	27.9	28.9	28.3	26.5	24.4	22.4	21.2	20.8	21.1	22.3	24.3	26.6	28.3	29.0
70	14.5	14.9	16.6	19.4	21.6	23.3	24.2	23.6	21.9	19.7	17.0	15.6	15.1	15.4	16.8	19.6	21.8	23.4	24.1
75	9.00	9.51	12.1	14.9	17.2	18.8	19.6	19.0	17.4	15.2	12.3	10.1	9.51	9.91	12.2	14.9	17.1	18.7	19.4
80	4.15	4.91	8.09	10.8	13.0	14.5	15.3	14.7	13.2	11.0	8.31	5.28	4.55	5.19	8.11	10.7	12.8	14.3	14.9
85	1.34	2.22	4.83	7.36	9.53	10.9	11.4	10.9	9.56	7.47	4.96	2.41	1.58	2.38	4.80	7.17	9.16	10.5	11.0
90	0.07	0.99	2.80	4.80	6.54	7.73	8.17	7.77	6.62	4.91	2.90	1.09	0.08	1.06	2.78	4.71	6.35	7.47	7.86
95	0.05	0.48	1.55	2.99	4.38	5.37	5.73	5.38	4.41	3.03	1.55	0.45	0.05	0.47	1.56	2.98	4.31	5.24	5.56
100	0.11	0.43	1.09	2.05	3.06	3.80	4.08	3.80	3.05	2.03	1.05	0.39	0.11	0.39	1.10	2.08	3.07	3.79	4.05
105	0.22	0.47	0.96	1.62	2.32	2.86	3.05	2.84	2.30	1.58	0.91	0.44	0.22	0.43	0.94	1.65	2.37	2.91	3.11
110	0.35	0.55	0.94	1.43	1.94	2.33	2.48	2.31	1.91	1.39	0.90	0.52	0.35	0.51	0.90	1.44	1.99	2.39	2.55
115	0.49	0.66	0.98	1.36	1.75	2.04	2.15	2.02	1.72	1.33	0.94	0.64	0.48	0.61	0.90	1.36	1.78	2.09	2.21
120	0.63	0.79	1.05	1.36	1.66	1.89	1.98	1.88	1.64	1.33	1.01	0.77	0.62	0.74	0.97	1.30	1.68	1.92	2.01
125	0.77	0.92	1.13	1.40	1.64	1.82	1.89	1.81	1.62	1.37	1.10	0.91	0.75	0.86	1.07	1.30	1.61	1.83	1.90
130	0.90	1.06	1.24	1.46	1.66	1.80	1.85	1.79	1.64	1.44	1.21	1.05	0.88	0.99	1.18	1.34	1.58	1.77	1.84
135	1.02	1.20	1.35	1.52	1.69	1.81	1.85	1.80	1.67	1.51	1.33	1.17	1.00	1.12	1.30	1.43	1.59	1.74	1.81
140	1.12	1.34	1.47	1.60	1.73	1.83	1.86	1.82	1.71	1.59	1.44	1.29	1.08	1.25	1.41	1.52	1.65	1.75	1.81
145	1.19	1.47	1.58	1.68	1.78	1.85	1.88	1.84	1.77	1.67	1.56	1.40	1.16	1.37	1.52	1.60	1.72	1.78	1.82
150	1.24	1.59	1.68	1.76	1.84	1.89	1.91	1.88	1.83	1.75	1.66	1.51	1.21	1.46	1.62	1.68	1.78	1.84	1.85
155	1.31	1.69	1.78	1.84	1.89	1.93	1.94	1.92	1.88	1.83	1.74	1.62	1.29	1.51	1.71	1.77	1.82	1.88	1.91
160	1.38	1.78	1.87	1.90	1.94	1.96	1.97	1.95	1.93	1.90	1.78	1.73	1.37	1.53	1.78	1.86	1.86	1.90	1.93
165	1.30	1.58	1.93	1.96	1.97	1.98	1.99	1.98	1.97	1.93	1.73	1.53	1.29	1.28	1.63	1.86	1.89	1.92	1.94
170	1.16	1.21	1.50	1.95	1.99	2.00	2.00	1.99	1.93	1.48	1.32	1.20	1.16	1.15	1.20	1.35	1.55	1.89	1.93
175	1.08	1.08	1.09	1.17	1.56	1.86	1.87	1.28	1.07	1.06	1.10	1.08	1.09	1.09	1.08	1.09	1.07	1.08	1.39
180	1.69	1.66	1.55	1.21	1.00	0.63	0.34	0.55	0.91	1.29	1.55	1.67	1.62	1.61	1.58	1.47	1.24	0.97	0.73

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:0.0443A P:5.09W PF:0.9584 Freq:60.00Hz Lamp Flux:210.05x1 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	69.1	68.9	69.2	69.1	69.4													
5	68.9	68.7	68.9	68.7	68.9													
10	68.1	67.8	67.9	67.5	67.6													
15	66.7	66.3	66.1	65.5	65.4													
20	64.7	64.1	63.6	62.9	62.8													
25	62.1	61.2	60.6	60.0	59.8													
30	59.0	57.9	57.3	56.6	56.1													
35	55.4	54.3	53.6	52.5	51.9													
40	51.5	50.3	49.3	48.0	47.4													
45	47.1	45.9	44.5	43.4	42.7													
50	42.5	41.2	39.7	38.3	37.5													
55	37.8	36.2	34.6	33.1	32.2													
60	33.0	31.3	29.4	27.6	26.7													
65	28.2	26.5	24.2	22.1	21.0													
70	23.3	21.7	19.4	16.7	15.2													
75	18.6	17.0	14.8	11.9	9.71													
80	14.2	12.7	10.5	7.87	4.91													
85	10.5	9.10	7.04	4.60	2.13													
90	7.45	6.27	4.56	2.61	0.89													
95	5.21	4.25	2.88	1.47	0.42													
100	3.77	3.03	2.03	1.06	0.37													
105	2.90	2.35	1.62	0.93	0.43													
110	2.39	1.97	1.43	0.91	0.52													
115	2.09	1.77	1.35	0.94	0.62													
120	1.92	1.67	1.33	1.00	0.72													
125	1.83	1.63	1.35	1.09	0.83													
130	1.79	1.63	1.41	1.18	0.95													
135	1.78	1.66	1.48	1.29	1.07													
140	1.80	1.70	1.57	1.40	1.20													
145	1.82	1.76	1.66	1.51	1.33													
150	1.85	1.82	1.74	1.62	1.47													
155	1.89	1.87	1.81	1.72	1.61													
160	1.94	1.91	1.88	1.82	1.74													
165	1.96	1.96	1.93	1.90	1.76													
170	1.96	1.96	1.96	1.88	1.35													
175	1.86	1.82	1.54	1.14	1.05													
180	0.38	0.74	1.03	1.25	1.47													

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: