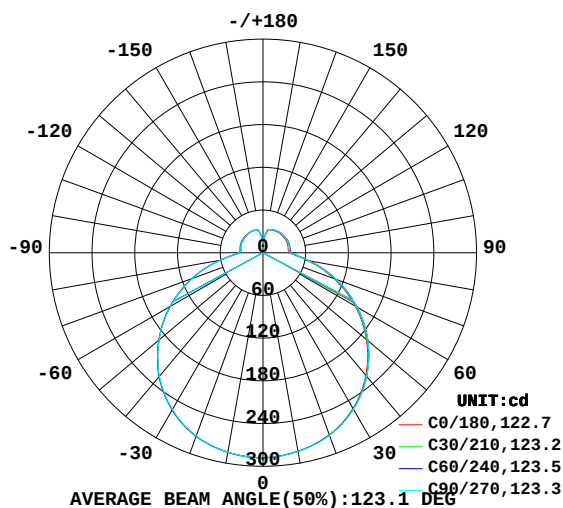


LUMINAIRE PHOTOMETRIC TEST REPORT

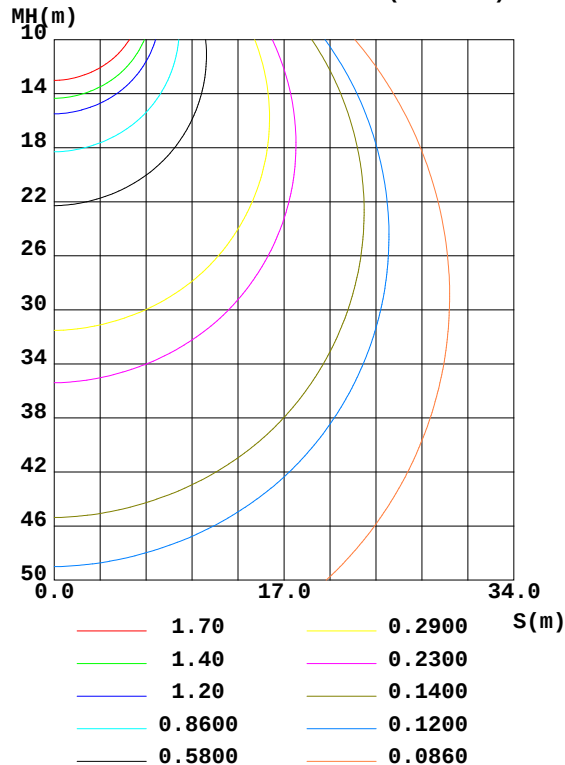
Test:U:120.00V I:0.2173A P:24.660W PF:0.9458 Freq:60.00Hz Lamp Flux:1180.93x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 2700K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 47.89 lm/W			
MODEL:ASD-LFC-LF-14D24-AC-BK		Imax(cd)	288.2	S/MH(C0/180)	1.31
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.31
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1180.9	η UP, DN(C0-180)	9.7, 40.9
NOMINAL FLUX(lm)	1180.93	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	8.9, 40.5
LAMPS INSIDE	1	η up(%)	18.6	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	81.4	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 27 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0395]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	283.1	283.3	283.5	283.8	284.6	284.8	284.3	283.5	0- 10	27.28	27.28	2.31,2.31
20	272.3	272.8	273.0	273.5	274.2	274.8	273.9	272.9	10- 20	78.99	106.3	9,9
30	252.6	253.5	254.0	254.2	254.6	255.2	254.4	253.0	20- 30	122.1	228.4	19.3,19.3
40	224.9	226.4	226.7	226.3	226.8	227.2	226.3	224.9	30- 40	150.8	379.2	32.1,32.1
50	189.7	192.1	192.5	191.3	190.9	191.2	190.5	189.0	40- 50	161.4	540.6	45.8,45.8
60	149.5	152.2	152.6	150.7	150.4	150.4	149.6	148.5	50- 60	153.1	693.7	58.7,58.7
70	106.2	109.2	109.4	107.2	106.2	105.9	105.4	104.8	60- 70	127.5	821.2	69.5,69.5
80	63.18	65.99	65.51	62.80	61.54	60.71	60.27	61.01	70- 80	89.30	910.5	77.1,77.1
90	37.03	39.69	38.90	35.89	33.62	32.53	32.78	34.27	80- 90	51.00	961.5	81.4,81.4
100	35.97	38.42	37.73	34.99	32.93	31.78	31.77	33.37	90-100	37.91	999.4	84.6,84.6
110	36.64	38.68	38.30	35.89	33.84	32.85	32.69	34.17	100-110	37.08	1036	87.8,87.8
120	36.64	38.51	38.18	36.21	34.36	33.37	33.20	34.49	110-120	35.30	1072	90.8,90.8
130	36.20	37.87	37.60	35.98	34.39	33.48	33.40	34.51	120-130	31.89	1104	93.5,93.5
140	36.03	37.25	37.02	35.66	34.49	33.77	33.88	34.83	130-140	27.40	1131	95.8,95.8
150	35.22	36.30	35.99	35.00	34.57	34.00	34.06	34.36	140-150	22.13	1153	97.7,97.7
160	33.94	34.40	34.82	34.38	34.06	33.54	33.35	33.87	150-160	15.98	1169	99,99
170	28.77	29.50	30.03	30.02	29.57	29.09	28.39	28.55	160-170	9.440	1179	99.8,99.8
180	17.30	17.02	17.16	17.28	18.50	18.79	18.69	18.38	170-180	2.315	1181	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 459.78 lm

%lum = 38.9%

%lamp = 38.9%

Conical surface Flux(120deg): 693.67 lm

%lum = 58.7%

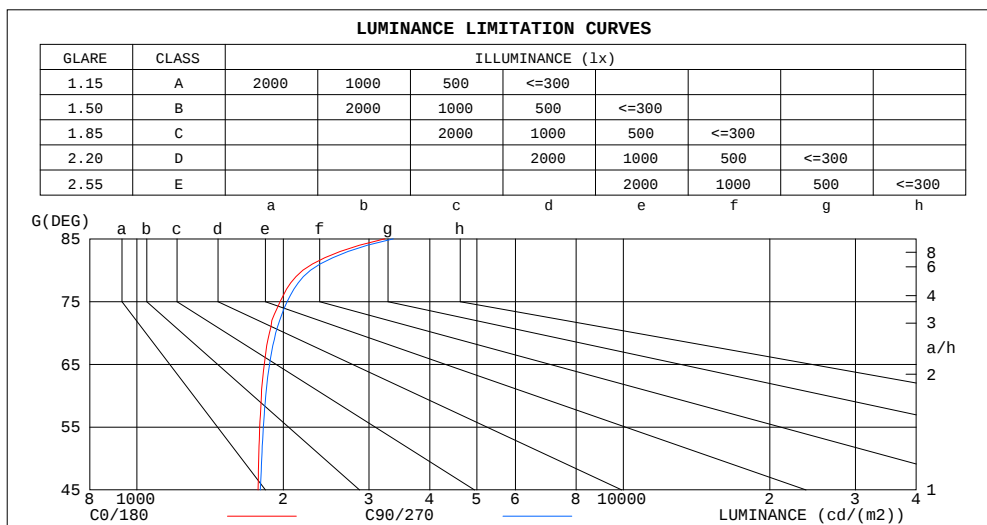
%lamp = 58.7%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 27 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0395]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.2173A P:24.660W PF:0.9458 Freq:60.00Hz Lamp Flux:1180.93x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 2700K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3234	3367
80	2194	2275
75	1970	2037
70	1873	1929
65	1828	1874
60	1803	1841
55	1789	1820
50	1780	1806
45	1775	1794

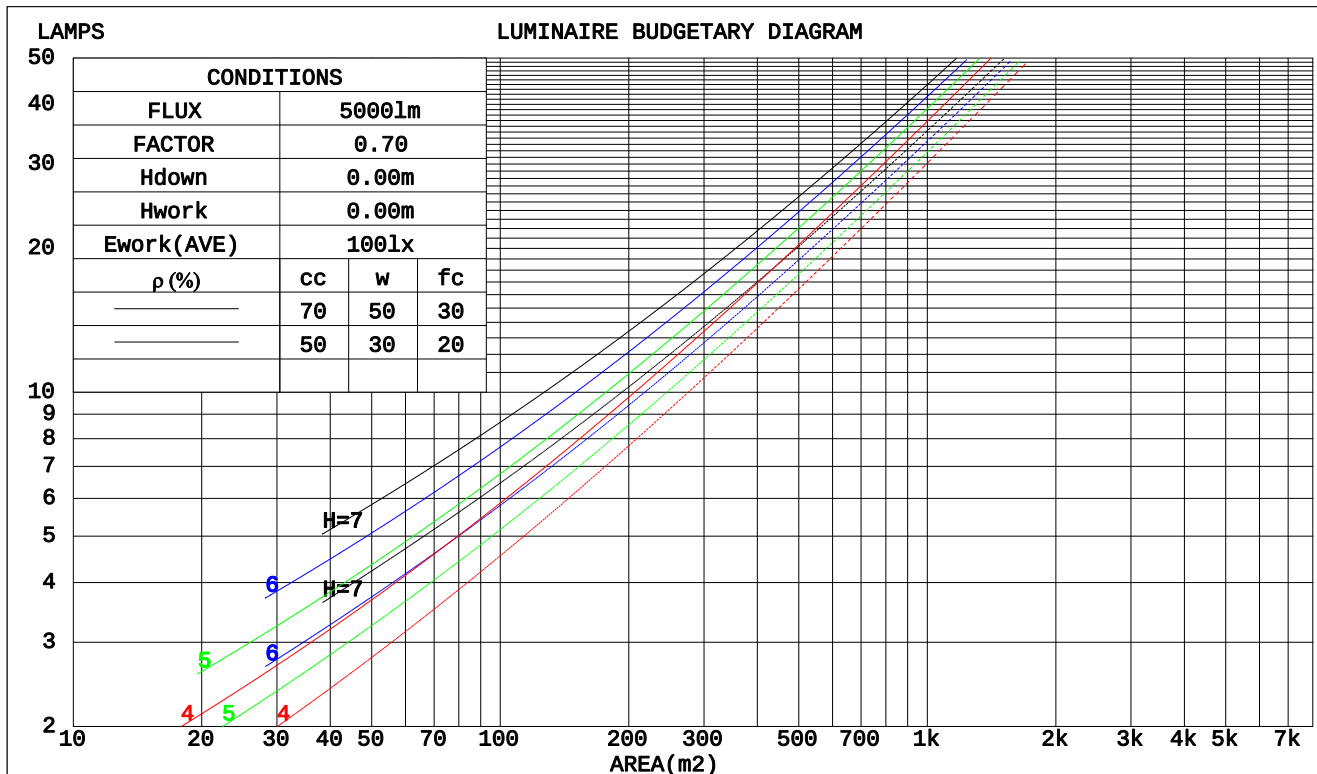
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 27 June 2023

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 42.7%
Test Distance: 2.500m [K=1.0395]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.2173A P:24.660W PF:0.9458 Freq:60.00Hz Lamp Flux:1180.93x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 2700K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.15	1.15	1.15	1.10	1.10	1.10	1.01	1.01	1.01	.93	.93	.93	.85	.85	.85	.81
1.0	.98	.93	.89	.94	.89	.86	.86	.83	.79	.79	.76	.74	.72	.70	.68	.65
2.0	.84	.77	.71	.81	.74	.69	.74	.69	.64	.68	.64	.60	.63	.59	.56	.53
3.0	.74	.65	.58	.71	.63	.57	.65	.59	.53	.60	.54	.50	.55	.51	.47	.44
4.0	.65	.56	.49	.62	.54	.48	.57	.50	.45	.53	.47	.42	.49	.44	.40	.37
5.0	.58	.48	.42	.55	.47	.41	.51	.44	.39	.47	.41	.36	.44	.38	.34	.32
6.0	.52	.43	.36	.50	.41	.35	.46	.39	.33	.43	.36	.32	.39	.34	.30	.28
7.0	.47	.38	.32	.45	.37	.31	.42	.35	.29	.39	.33	.28	.36	.31	.27	.24
8.0	.42	.34	.28	.41	.33	.27	.38	.31	.26	.35	.29	.25	.33	.28	.24	.21
9.0	.39	.31	.25	.37	.30	.24	.35	.28	.23	.33	.27	.22	.30	.25	.21	.19
10.0	.36	.28	.23	.34	.27	.22	.32	.26	.21	.30	.24	.20	.28	.23	.19	.17



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 27 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0395]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:0.2173A P:24.660W PF:0.9458 Freq:60.00Hz Lamp Flux:1180.93x1 lm					
NAME: LED Ceiling light			TYPE:LED		WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 2700K			DIM.:		SERIAL No.:
MFR.: ASD Lighting Corp			SUR.:		Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0	
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.341	.194	.061	.328	.187	.060	.305	.175	.056	.283	.163	.052	.262	.152	.049		
2.0	.307	.168	.052	.296	.163	.050	.274	.152	.047	.254	.143	.045	.236	.133	.042		
3.0	.278	.148	.044	.268	.143	.043	.248	.135	.041	.230	.126	.039	.213	.118	.037		
4.0	.254	.132	.039	.244	.128	.038	.227	.120	.036	.210	.113	.034	.195	.106	.032		
5.0	.233	.119	.034	.224	.115	.034	.208	.108	.032	.193	.102	.030	.179	.096	.029		
6.0	.214	.108	.031	.207	.104	.030	.192	.098	.029	.178	.093	.027	.165	.087	.026		
7.0	.199	.098	.028	.192	.095	.027	.178	.090	.026	.166	.085	.025	.154	.080	.023		
8.0	.185	.090	.025	.179	.088	.025	.166	.083	.024	.155	.078	.023	.144	.074	.021		
9.0	.173	.084	.023	.167	.081	.023	.156	.077	.022	.145	.073	.021	.135	.068	.020		
10.0	.162	.078	.022	.157	.076	.021	.146	.072	.020	.136	.068	.019	.127	.064	.018		

ρ _{CC}	80%			70%			50%			30%			10%			0
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.332	.332	.332	.284	.284	.284	.194	.194	.194	.111	.111	.111	.036	.036	.036	
1.0	.325	.299	.275	.278	.256	.236	.190	.176	.163	.110	.102	.095	.035	.033	.031	
2.0	.318	.276	.240	.272	.237	.207	.187	.164	.145	.108	.095	.085	.035	.031	.028	
3.0	.311	.259	.218	.266	.223	.189	.183	.155	.132	.106	.091	.078	.034	.029	.026	
4.0	.303	.246	.203	.260	.213	.176	.179	.148	.124	.103	.087	.073	.033	.028	.024	
5.0	.296	.236	.192	.254	.204	.167	.175	.143	.118	.101	.084	.070	.033	.027	.023	
6.0	.289	.228	.185	.248	.198	.161	.171	.138	.114	.099	.081	.068	.032	.027	.022	
7.0	.282	.222	.180	.242	.192	.157	.167	.135	.111	.097	.079	.066	.031	.026	.022	
8.0	.275	.216	.175	.237	.187	.153	.164	.132	.109	.095	.078	.065	.031	.025	.021	
9.0	.269	.211	.172	.232	.183	.150	.161	.129	.107	.094	.076	.064	.030	.025	.021	
10.0	.264	.207	.170	.227	.180	.148	.158	.127	.105	.092	.075	.063	.030	.025	.021	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 27 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0395]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.2173A P:24.660W PF:0.9458 Freq:60.00Hz Lamp Flux:1180.93x1 lm											
NAME: LED Ceiling light					TYPE:LED			WEIGHT:			
SPEC.:ASD-LFC-LF-14D24-AC-BK 2700K					DIM.:			SERIAL No.:			
MFR.: ASD Lighting Corp					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		13.9	15.2	14.4	15.7	16.2	13.9	15.3	14.5	15.8	16.3
	3H	15.7	16.9	16.3	17.5	18.1	15.8	17.0	16.4	17.6	18.2
	4H	16.6	17.7	17.1	18.3	18.9	16.7	17.9	17.3	18.4	19.1
	6H	17.4	18.5	18.0	19.0	19.7	17.6	18.6	18.2	19.2	19.9
	8H	17.8	18.8	18.4	19.4	20.1	18.0	19.0	18.6	19.6	20.3
	12H	18.2	19.2	18.8	19.8	20.5	18.4	19.4	19.0	20.0	20.7
4H	2H	14.5	15.7	15.1	16.2	16.9	14.6	15.7	15.2	16.3	16.9
	3H	16.6	17.6	17.2	18.2	18.8	16.7	17.7	17.3	18.3	19.0
	4H	17.6	18.5	18.2	19.1	19.8	17.7	18.6	18.4	19.3	20.0
	6H	18.6	19.4	19.2	20.0	20.8	18.7	19.5	19.4	20.2	20.9
	8H	19.1	19.8	19.7	20.5	21.2	19.2	20.0	19.9	20.6	21.4
	12H	19.6	20.3	20.3	21.0	21.8	19.8	20.5	20.5	21.1	21.9
8H	4H	18.0	18.7	18.6	19.4	20.2	18.1	18.8	18.8	19.5	20.3
	6H	19.2	19.8	19.9	20.5	21.3	19.3	20.0	20.0	20.6	21.4
	8H	19.8	20.4	20.6	21.1	21.9	20.0	20.5	20.7	21.3	22.1
	12H	20.6	21.1	21.3	21.8	22.6	20.7	21.2	21.5	21.9	22.8
12H	4H	18.0	18.7	18.7	19.4	20.2	18.1	18.8	18.8	19.5	20.3
	6H	19.3	19.9	20.1	20.6	21.4	19.5	20.0	20.2	20.7	21.6
	8H	20.1	20.6	20.8	21.3	22.1	20.2	20.7	20.9	21.4	22.3
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 1181 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 0.6$)
Area: 0.165812 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 27 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 42.7%
Test Distance: 2.500m [K=1.0395]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.2173A P:24.660W PF:0.9458 Freq:60.00Hz Lamp Flux:1180.93x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 2700K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

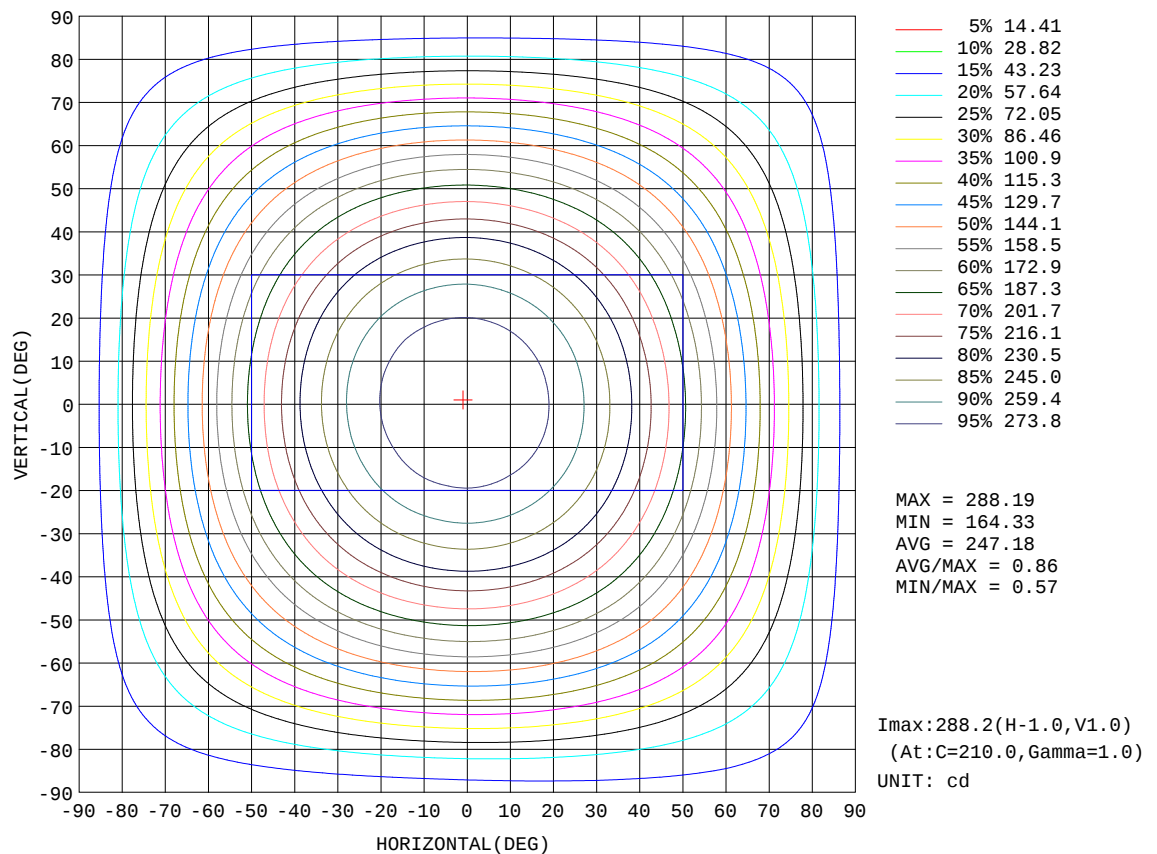
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	38	31	49	37	31	46	36	30	23
0.80	59	47	39	58	46	39	55	44	38	30
1.00	67	55	47	65	54	47	61	54	45	36
1.25	74	63	55	72	61	54	67	58	52	42
1.50	79	68	60	77	66	59	71	63	57	46
2.00	87	77	69	83	74	67	77	70	64	53
2.50	91	82	75	87	79	73	81	74	69	56
3.00	95	86	80	91	83	77	84	78	73	60
4.00	99	92	86	95	89	84	88	83	79	64
5.00	102	96	91	98	92	88	90	86	82	67
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: 25.0DEG
 Operators: Alan Wang
 Test Date: 27 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0395]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.2173A P:24.660W PF:0.9458 Freq:60.00Hz Lamp Flux:1180.93x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 2700K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



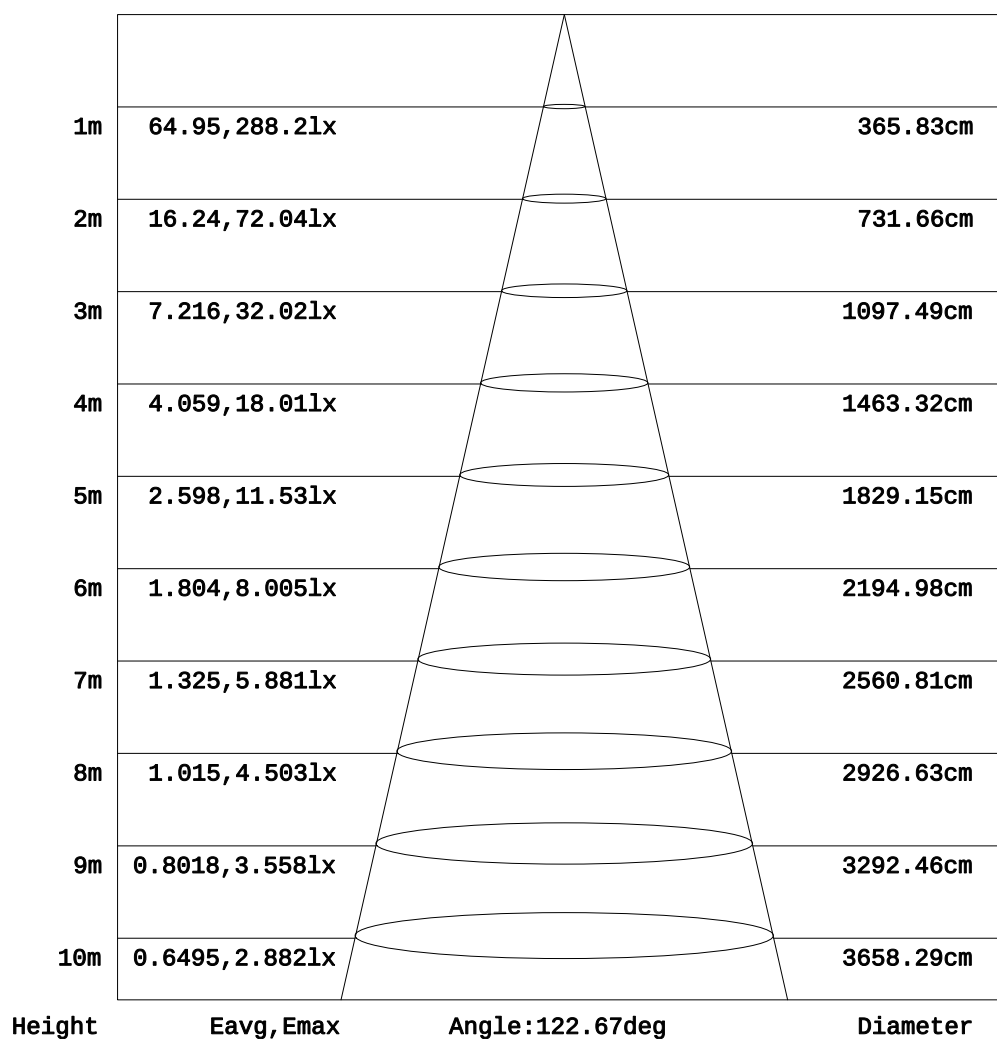
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 27 June 2023

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 42.7%
Test Distance: 2.500m [K=1.0395]
Remarks:

AAI Figure

Test:U:120.00V I:0.2173A P:24.660W PF:0.9458 Freq:60.00Hz Lamp Flux:1180.93x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 2700K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	Shielding Angle:

Flux out:721.7 lm



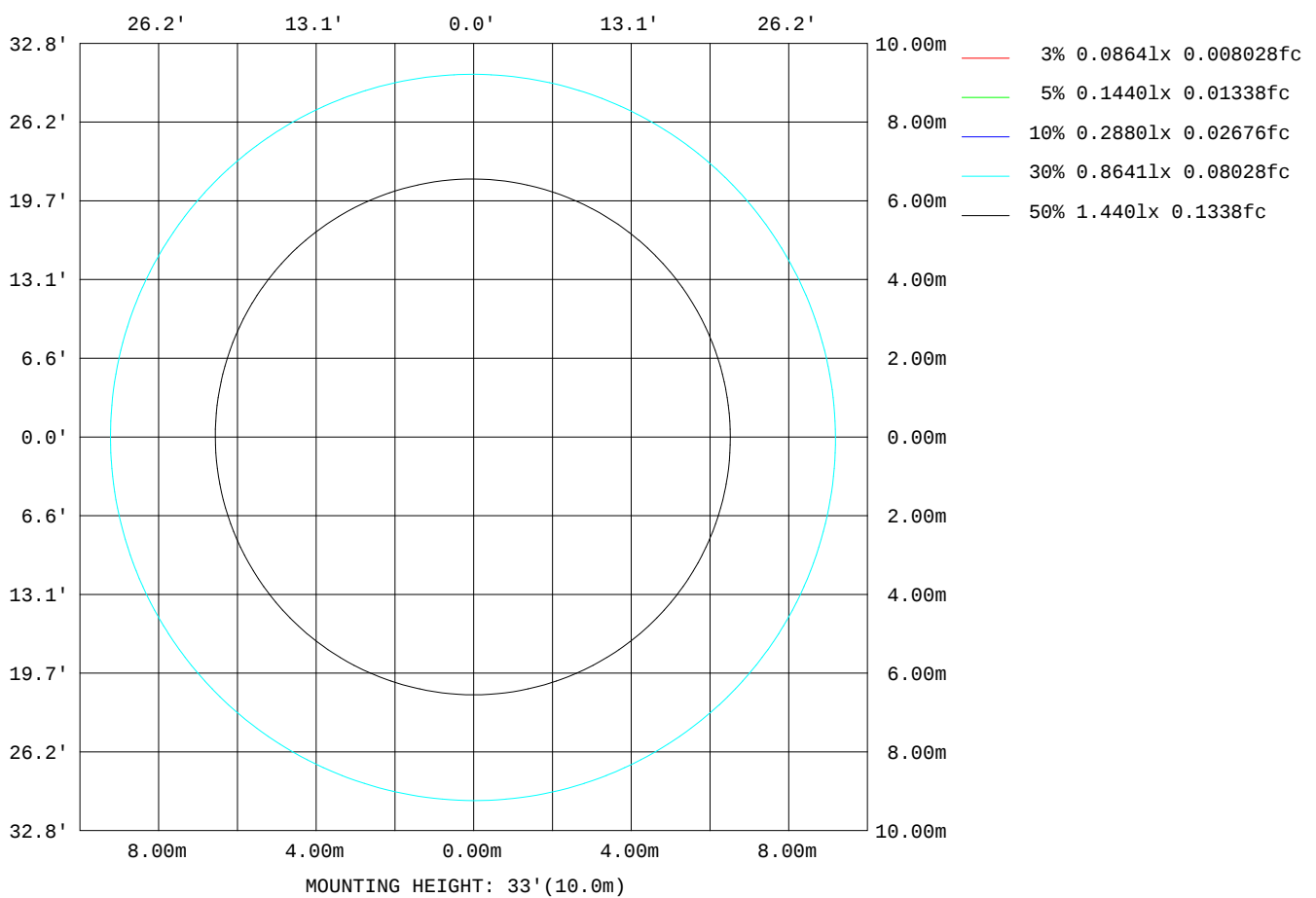
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 27 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0395]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:0.2173A P:24.660W PF:0.9458 Freq:60.00Hz Lamp Flux:1180.93x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 2700K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 27 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0395]
 Remarks:

LED Avg.L Report

Test:U:120.00V I:0.2173A P:24.660W PF:0.9458 Freq:60.00Hz Lamp Flux:1180.93x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 2700K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

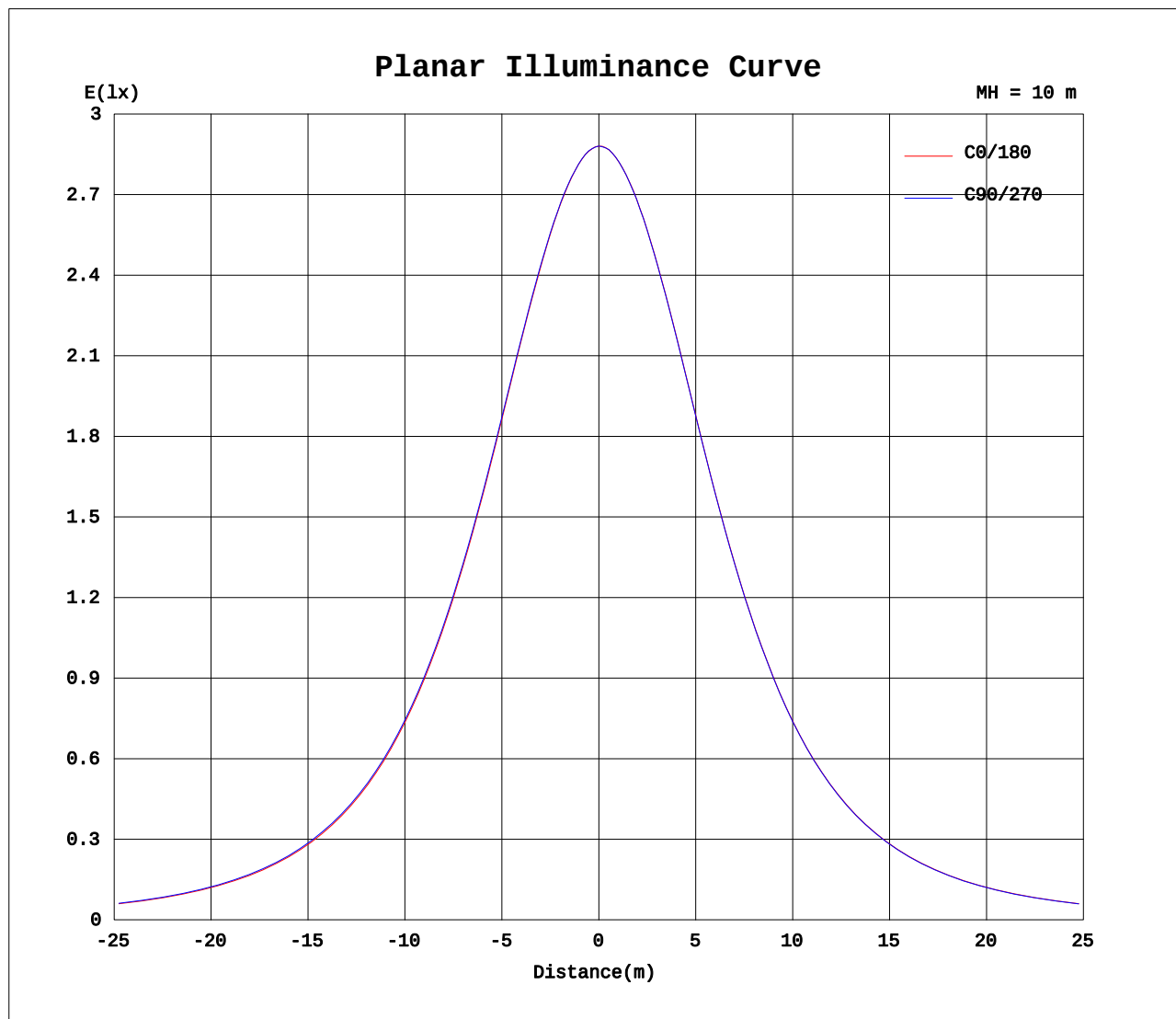
AvgL	cd/m2
L_0~180(65)av	1832
L_0~180(75)av	1964
L_0~180(85)av	3150
L_90~270(65)av	1848
L_90~270(75)av	1984
L_90~270(85)av	3171
L_45(65)av	1839
L_45(75)av	1970
L_45(85)av	3166

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 27 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0395]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 27 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 42.7%
Test Distance: 2.500m [K=1.0395]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.2173A P:24.660W PF:0.9458 Freq:60.00Hz Lamp Flux:1180.93x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 2700K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	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	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288	288
5	286	286	287	286	286	286	287	287	287	287	287	287	287	287	287	287	287	287	287
10	283	283	283	283	283	283	283	284	284	284	284	284	285	285	285	285	284	284	284
15	279	279	279	279	279	279	279	279	279	279	280	280	280	280	281	281	280	280	280
20	272	272	273	273	273	273	273	273	273	273	274	274	274	274	275	275	274	274	274
25	264	264	264	264	264	264	265	265	265	265	265	265	266	266	266	266	266	266	265
30	253	253	253	254	254	254	254	254	254	254	254	254	255	255	255	255	255	255	254
35	240	240	241	241	241	241	241	241	241	241	241	241	242	242	242	242	242	242	241
40	225	225	226	226	227	227	227	226	226	226	226	226	227	227	227	227	227	227	226
45	208	209	209	210	210	210	210	210	210	210	209	210	209	210	210	210	209	209	209
50	190	190	191	192	192	193	192	192	192	191	191	191	191	191	191	191	191	191	190
55	170	171	172	173	173	173	173	172	172	172	171	171	171	171	171	171	171	171	171
60	149	150	151	152	153	153	153	152	151	151	150	150	150	150	151	150	150	150	150
65	128	129	130	131	131	132	131	131	130	129	129	129	129	129	129	128	128	128	128
70	106	107	108	109	110	110	109	109	108	107	107	107	106	106	106	106	106	105	105
75	84.5	85.4	86.4	87.3	87.8	87.9	87.4	86.5	85.7	84.8	84.3	84.0	84.0	84.0	83.7	83.2	82.9	82.9	82.9
80	63.2	64.2	65.2	66.0	66.3	66.1	65.5	64.6	63.7	62.8	62.3	61.9	61.5	61.2	61.0	60.7	60.5	60.3	60.3
85	46.7	47.8	48.9	49.5	49.6	49.3	48.7	47.8	46.8	45.9	45.2	44.7	44.3	43.9	43.7	43.3	43.0	42.9	43.0
90	37.0	38.1	39.1	39.7	39.9	39.7	38.9	37.9	36.9	35.9	34.9	34.2	33.6	33.1	32.8	32.5	32.4	32.5	32.8
95	36.0	37.0	38.0	38.5	38.7	38.5	37.7	36.7	35.8	34.8	33.9	33.2	32.7	32.3	31.9	31.5	31.3	31.4	31.6
100	36.0	37.0	37.9	38.4	38.6	38.4	37.7	36.8	35.9	35.0	34.1	33.4	32.9	32.6	32.2	31.8	31.5	31.5	31.8
105	36.4	37.4	38.1	38.6	38.8	38.7	38.1	37.3	36.5	35.5	34.7	34.0	33.4	33.1	32.7	32.4	32.1	32.1	32.3
110	36.6	37.5	38.3	38.7	38.9	38.9	38.3	37.5	36.9	35.9	35.1	34.4	33.8	33.6	33.2	32.8	32.6	32.5	32.7
115	36.7	37.5	38.3	38.7	38.9	38.9	38.3	37.6	37.0	36.1	35.3	34.7	34.2	33.8	33.5	33.2	32.9	32.9	33.0
120	36.6	37.4	38.1	38.5	38.7	38.6	38.2	37.6	37.0	36.2	35.5	34.9	34.4	33.9	33.6	33.4	33.1	33.1	33.2
125	36.4	37.2	37.8	38.2	38.4	38.3	37.9	37.4	36.8	36.1	35.5	34.9	34.4	33.9	33.7	33.5	33.2	33.2	33.3
130	36.2	36.9	37.5	37.9	38.0	38.0	37.6	37.1	36.5	36.0	35.4	34.9	34.4	34.0	33.7	33.5	33.3	33.2	33.4
135	36.1	36.7	37.2	37.6	37.6	37.6	37.3	36.8	36.2	35.8	35.2	34.7	34.4	34.0	33.6	33.6	33.5	33.4	33.6
140	36.0	36.6	36.9	37.2	37.3	37.2	37.0	36.8	36.2	35.7	35.2	34.8	34.5	34.2	33.9	33.8	33.8	33.7	33.9
145	35.7	36.2	36.6	36.9	36.8	36.8	36.7	36.2	35.6	35.4	35.1	34.8	34.6	34.4	34.1	33.9	33.9	33.9	34.1
150	35.2	35.7	36.1	36.3	36.2	36.1	36.0	35.8	35.4	35.0	34.5	34.0	34.6	34.4	34.1	34.0	33.9	33.9	34.1
155	34.9	35.1	35.3	35.5	35.6	35.5	35.3	35.2	35.0	34.7	34.3	34.1	34.3	34.2	34.0	33.8	33.5	33.4	33.5
160	33.9	34.0	34.3	34.4	34.7	34.8	34.8	34.7	34.5	34.4	34.1	33.9	34.1	33.9	33.6	33.5	33.2	33.2	33.3
165	33.2	33.3	33.6	33.8	34.1	34.1	34.1	34.0	33.8	33.7	33.6	33.4	33.5	33.4	33.2	33.1	32.8	33.2	33.5
170	28.8	29.0	29.3	29.5	29.8	30.0	30.0	30.1	30.1	30.0	29.8	29.7	29.6	29.6	29.4	29.1	28.6	28.4	28.4
175	21.2	21.4	21.8	22.2	22.5	22.8	22.8	22.9	22.9	22.7	22.6	22.4	22.8	22.9	22.6	22.3	22.1	21.9	21.7
180	17.3	17.3	17.3	17.0	17.2	16.9	17.2	17.7	17.4	17.3	17.5	16.4	18.5	18.6	18.7	18.8	18.7	18.8	18.7

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 27 June 2023

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 42.7%
Test Distance: 2.500m [K=1.0395]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.2173A P:24.660W PF:0.9458 Freq:60.00Hz Lamp Flux:1180.93x1 lm					
NAME: LED Ceiling light			TYPE:LED		WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 2700K			DIM.:		SERIAL No.:
MFR.: ASD Lighting Corp			SUR.:		Shielding Angle:

Table--2

UNIT: cd

γ (DEG)	C(DEG)																		
	285	300	315	330	345														
0	288	288	288	288	288														
5	287	287	287	287	286														
10	284	284	284	284	283														
15	280	280	279	279	279														
20	274	273	273	272	272														
25	265	264	264	264	264														
30	254	253	253	253	253														
35	241	240	240	240	239														
40	226	225	225	225	225														
45	208	208	207	207	207														
50	190	189	189	189	189														
55	170	170	169	169	169														
60	149	149	148	148	149														
65	127	127	127	127	127														
70	105	105	105	105	105														
75	82.8	82.7	82.8	83.2	83.8														
80	60.4	60.7	61.0	61.5	62.2														
85	43.2	43.8	44.4	45.0	45.7														
90	33.1	33.7	34.3	35.0	36.0														
95	31.9	32.5	33.3	34.2	35.0														
100	32.1	32.6	33.4	34.2	35.0														
105	32.6	33.2	33.8	34.6	35.5														
110	33.0	33.5	34.2	35.0	35.8														
115	33.3	33.8	34.4	35.1	35.9														
120	33.5	33.9	34.5	35.2	36.0														
125	33.6	34.0	34.5	35.1	35.8														
130	33.7	34.1	34.5	35.0	35.7														
135	33.9	34.2	34.6	35.1	35.7														
140	34.1	34.4	34.8	35.3	35.7														
145	34.3	34.5	34.9	35.2	35.6														
150	34.3	34.4	34.4	34.4	34.9														
155	33.7	34.0	34.1	34.3	34.6														
160	33.3	33.6	33.9	33.9	33.9														
165	33.6	33.6	33.5	33.5	33.4														
170	28.4	28.4	28.6	28.7	28.5														
175	21.5	21.4	21.3	21.2	21.2														
180	18.6	18.5	18.4	18.3	18.2														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 27 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0395]
 Remarks: