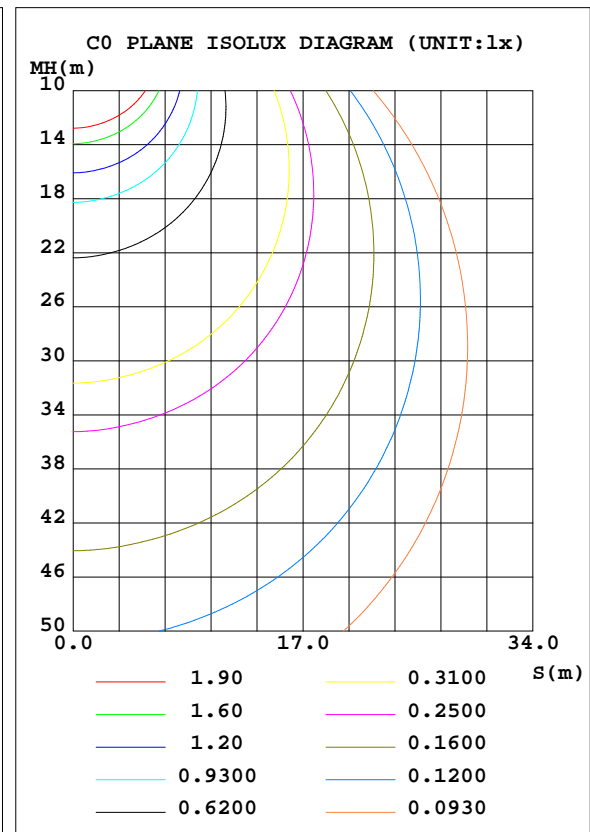
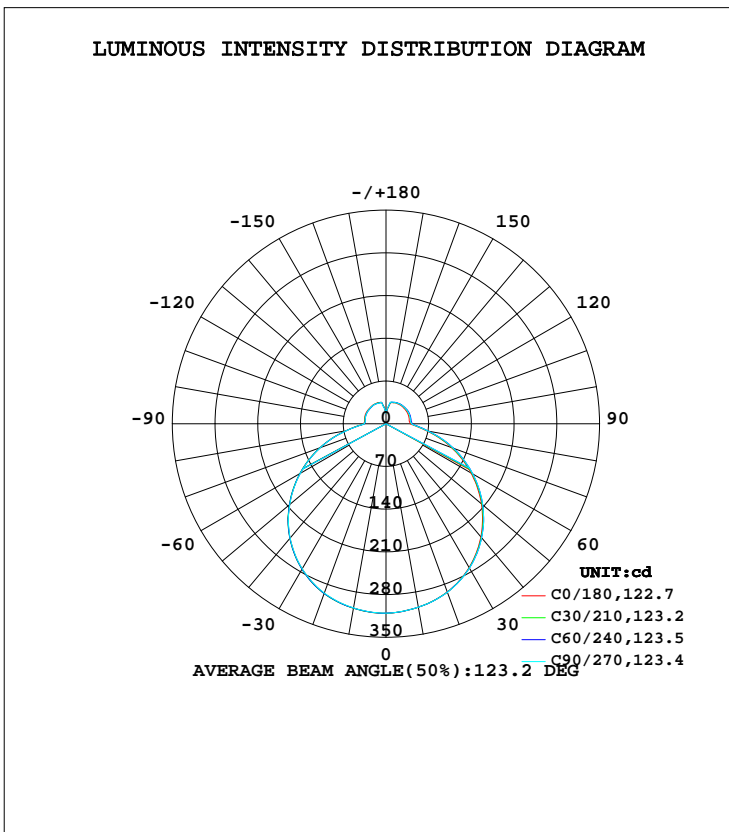


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.2173A P:24.650W PF:0.9455 Freq:60.00Hz Lamp Flux:1274.43x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 51.70 lm/W			
MODEL	ASD-LFC-LF-14D24-AC-BK	I _{max} (cd)	310.6	S/MH(C0/180)	1.31
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	1.31
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1274.4	η UP, DN(C0-180)	9.7,40.8
NOMINAL FLUX(lm)	1274.43	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	9.0,40.6
LAMPS INSIDE	1	η up(%)	18.7	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	81.3	CIBSE SHR MAX	1.50



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 GO-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	305.3	305.1	305.2	306.0	306.7	306.7	306.4	305.8	0- 10	29.40	29.40	2.31,2.31
20	293.4	293.6	293.9	294.6	295.8	296.0	295.3	294.1	10- 20	85.13	114.5	8.99,8.99
30	272.2	273.0	273.2	273.5	274.8	275.1	274.4	272.9	20- 30	131.6	246.1	19.3,19.3
40	242.0	243.5	243.8	243.6	244.5	245.0	244.4	242.6	30- 40	162.5	408.7	32.1,32.1
50	204.1	206.3	206.8	205.7	206.0	206.6	205.7	204.1	40- 50	174.1	582.7	45.7,45.7
60	160.7	163.4	164.1	162.1	162.5	162.7	161.8	160.6	50- 60	165.0	747.7	58.7,58.7
70	114.0	116.9	117.4	115.0	114.9	115.0	114.2	113.5	60- 70	137.5	885.2	69.5,69.5
80	67.80	70.64	70.25	67.47	66.77	66.27	65.66	66.38	70- 80	96.35	981.6	77,77
90	39.84	42.64	41.86	38.80	36.56	35.58	35.75	37.23	80- 90	55.15	1037	81.3,81.3
100	38.75	41.43	40.69	37.93	35.75	34.74	34.63	36.19	90-100	41.08	1078	84.6,84.6
110	39.50	41.77	41.28	38.86	36.82	35.86	35.65	37.07	100-110	40.18	1118	87.7,87.7
120	39.54	41.54	41.18	39.21	37.31	36.30	36.22	37.42	110-120	38.24	1156	90.7,90.7
130	39.11	40.90	40.50	38.98	37.30	36.25	36.42	37.46	120-130	34.55	1191	93.4,93.4
140	38.96	40.23	39.84	38.62	37.38	36.71	36.81	37.77	130-140	29.67	1220	95.8,95.8
150	38.08	39.20	38.88	37.90	37.50	36.92	36.91	37.37	140-150	23.96	1244	97.6,97.6
160	36.70	37.17	37.69	37.24	36.98	36.38	36.10	36.64	150-160	17.31	1262	99,99
170	30.91	31.69	32.32	32.32	32.25	31.73	30.87	31.15	160-170	10.22	1272	99.8,99.8
180	19.99	19.72	19.67	19.87	20.25	20.33	20.32	19.85	170-180	2.506	1274	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 495.56 lm

%lum = 38.9%

%lamp = 38.9%

Conical surface Flux(120deg): 747.71 lm

%lum = 58.7%

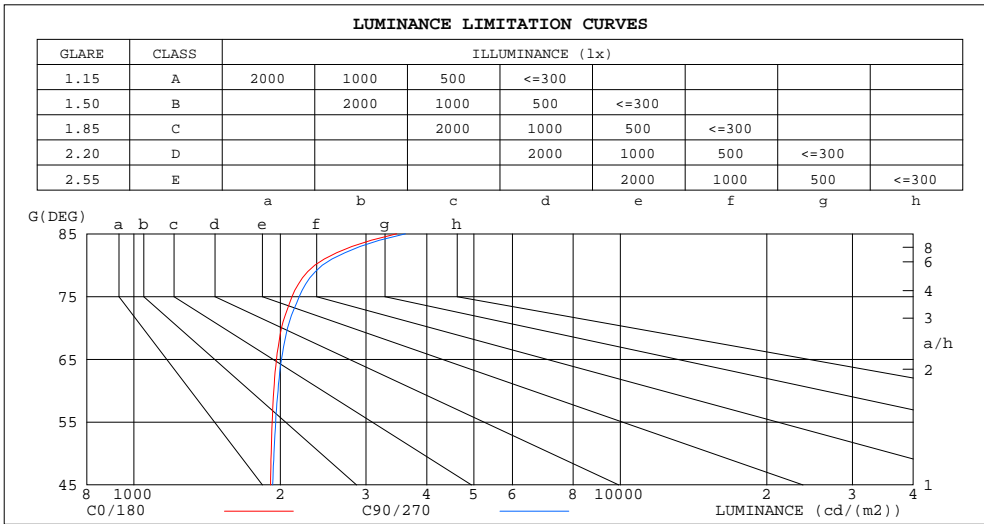
%lamp = 58.7%

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 GO-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:24.650W PF:0.9455 Freq:60.00Hz Lamp Flux:1274.43x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3467	3615
80	2355	2440
75	2114	2188
70	2011	2070
65	1964	2012
60	1939	1979
55	1924	1956
50	1915	1941
45	1910	1929

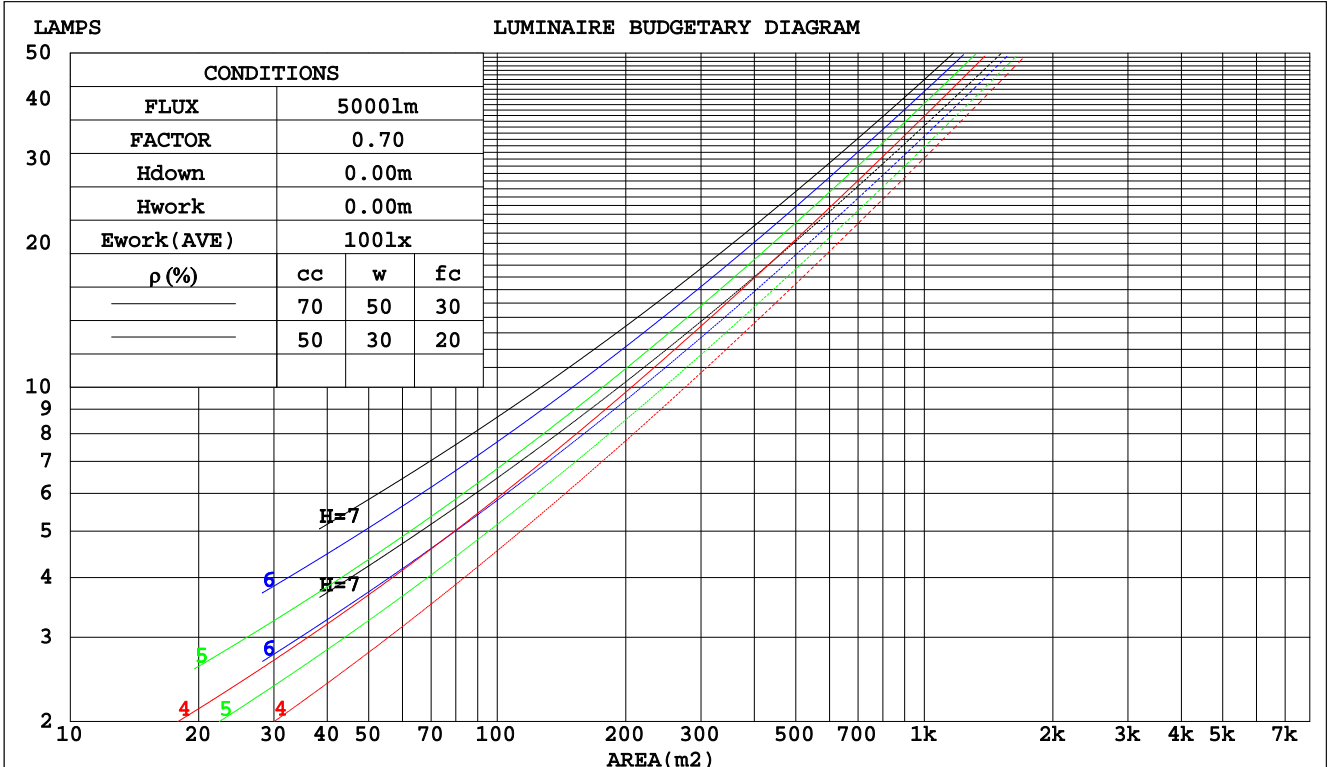
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 27 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-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:24.650W PF:0.9455 Freq:60.00Hz Lamp Flux:1274.43x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
ρfc	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	.92	.92	.92	.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	.58	.53	.60	.54	.50	.55	.50	.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	.38	.47	.41	.36	.43	.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	.32	.28	.36	.31	.26	.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 GO-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:24.650W PF:0.9455 Freq:60.00Hz Lamp Flux:1274.43x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

ρcc	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	.341	.194	.061	.329	.187	.060	.305	.175	.056	.283	.163	.052	.262	.152	.049	
2.0	.307	.168	.052	.296	.163	.050	.274	.152	.047	.254	.142	.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	.226	.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	.165	.085	.025	.154	.080	.023	
8.0	.185	.090	.025	.179	.088	.025	.166	.083	.024	.154	.078	.023	.143	.074	.021	
9.0	.173	.084	.023	.167	.081	.023	.155	.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	

ρcc	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	.333	.333	.333	.284	.284	.284	.194	.194	.194	.111	.111	.111	.036	.036	.036	
1.0	.326	.299	.275	.279	.257	.237	.191	.177	.164	.110	.102	.095	.035	.033	.031	
2.0	.319	.276	.240	.273	.238	.208	.187	.164	.145	.108	.096	.085	.035	.031	.028	
3.0	.311	.259	.218	.267	.224	.189	.183	.155	.133	.106	.091	.078	.034	.029	.026	
4.0	.304	.247	.203	.261	.213	.177	.179	.149	.124	.104	.087	.074	.033	.028	.024	
5.0	.296	.237	.193	.254	.205	.168	.175	.143	.119	.102	.084	.070	.033	.027	.023	
6.0	.289	.229	.186	.249	.198	.162	.171	.139	.114	.099	.082	.068	.032	.027	.022	
7.0	.282	.222	.180	.243	.193	.157	.168	.135	.111	.097	.080	.066	.032	.026	.022	
8.0	.276	.217	.176	.238	.188	.154	.164	.132	.109	.096	.078	.065	.031	.026	.021	
9.0	.270	.212	.173	.233	.184	.151	.161	.129	.107	.094	.076	.064	.030	.025	.021	
10.0	.264	.208	.170	.228	.180	.149	.158	.127	.106	.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 GO-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:24.650W PF:0.9455 Freq:60.00Hz Lamp Flux:1274.43x1 lm										
NAME: LED Ceiling light					TYPE:LED			WEIGHT:		
SPEC.:ASD-LFC-LF-14D24-AC-BK 3000K					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	14.1	15.4	14.6	15.9	16.5	14.2	15.5	14.7	16.0	16.6
3H	15.9	17.1	16.5	17.7	18.3	16.1	17.3	16.6	17.8	18.4
4H	16.8	18.0	17.4	18.5	19.1	17.0	18.1	17.5	18.7	19.3
6H	17.6	18.7	18.2	19.3	19.9	17.8	18.9	18.4	19.4	20.1
8H	18.0	19.1	18.6	19.7	20.3	18.2	19.2	18.8	19.8	20.5
12H	18.5	19.5	19.1	20.1	20.7	18.7	19.6	19.3	20.2	20.9
4H 2H	14.8	15.9	15.3	16.5	17.1	14.8	16.0	15.4	16.5	17.2
3H	16.8	17.8	17.4	18.4	19.1	16.9	17.9	17.5	18.5	19.2
4H	17.8	18.7	18.5	19.4	20.1	18.0	18.9	18.6	19.5	20.2
6H	18.8	19.6	19.5	20.3	21.0	18.9	19.8	19.6	20.4	21.1
8H	19.3	20.0	20.0	20.7	21.5	19.5	20.2	20.1	20.9	21.6
12H	19.8	20.5	20.5	21.2	22.0	20.0	20.7	20.7	21.4	22.2
8H 4H	18.2	19.0	18.9	19.6	20.4	18.3	19.1	19.0	19.7	20.5
6H	19.4	20.0	20.1	20.7	21.5	19.5	20.2	20.2	20.9	21.7
8H	20.1	20.6	20.8	21.3	22.2	20.2	20.8	20.9	21.5	22.3
12H	20.8	21.3	21.5	22.0	22.9	21.0	21.4	21.7	22.2	23.0
12H 4H	18.3	18.9	18.9	19.6	20.4	18.4	19.1	19.0	19.7	20.5
6H	19.6	20.1	20.3	20.8	21.7	19.7	20.2	20.4	20.9	21.8
8H	20.3	20.8	21.0	21.5	22.4	20.4	20.9	21.2	21.6	22.5
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, 1274 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.8)
 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 GO-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:24.650W PF:0.9455 Freq:60.00Hz Lamp Flux:1274.43x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

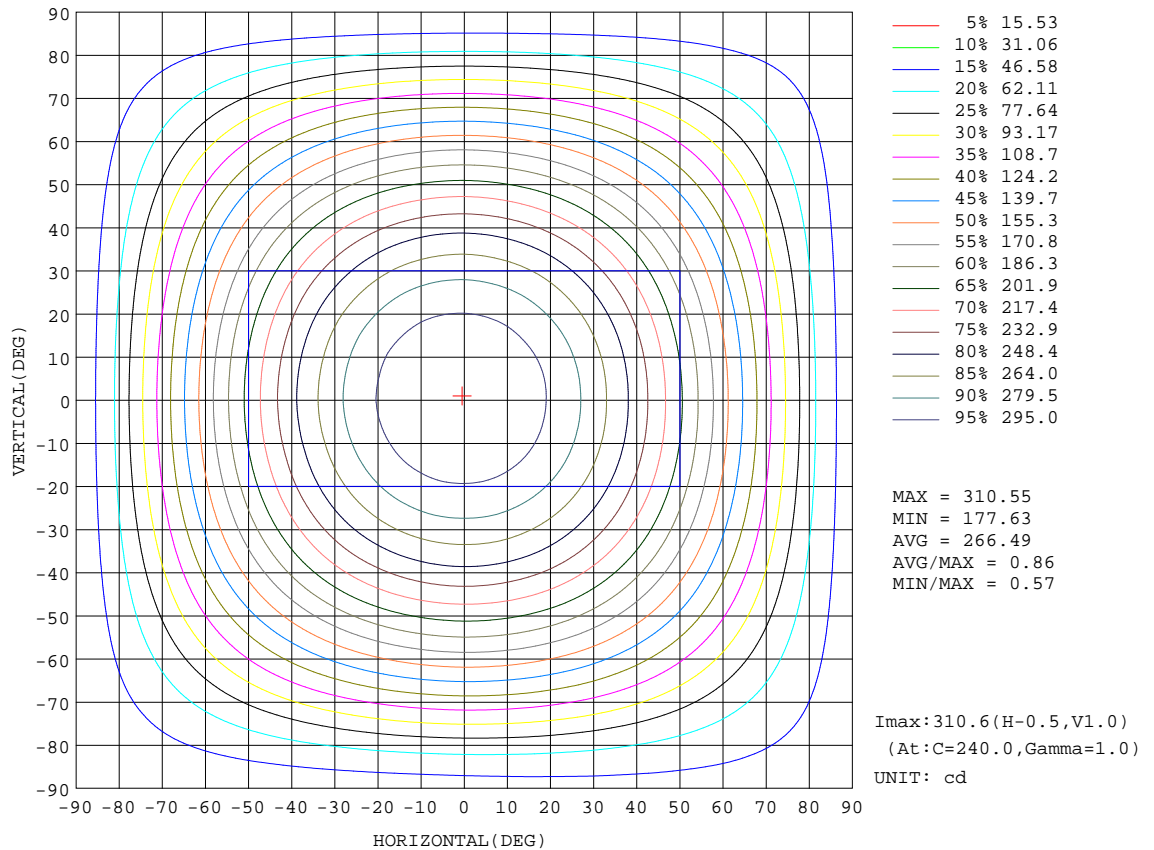
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	50	38	31	49	37	30	46	36	30	23
0.80	59	47	39	58	46	39	55	44	38	30
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	52
2.50	91	82	75	87	79	73	81	74	69	56
3.00	94	86	80	91	83	77	84	78	73	60
4.00	99	92	86	95	89	84	88	83	78	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 GO-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:24.650W PF:0.9455 Freq:60.00Hz Lamp Flux:1274.43x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

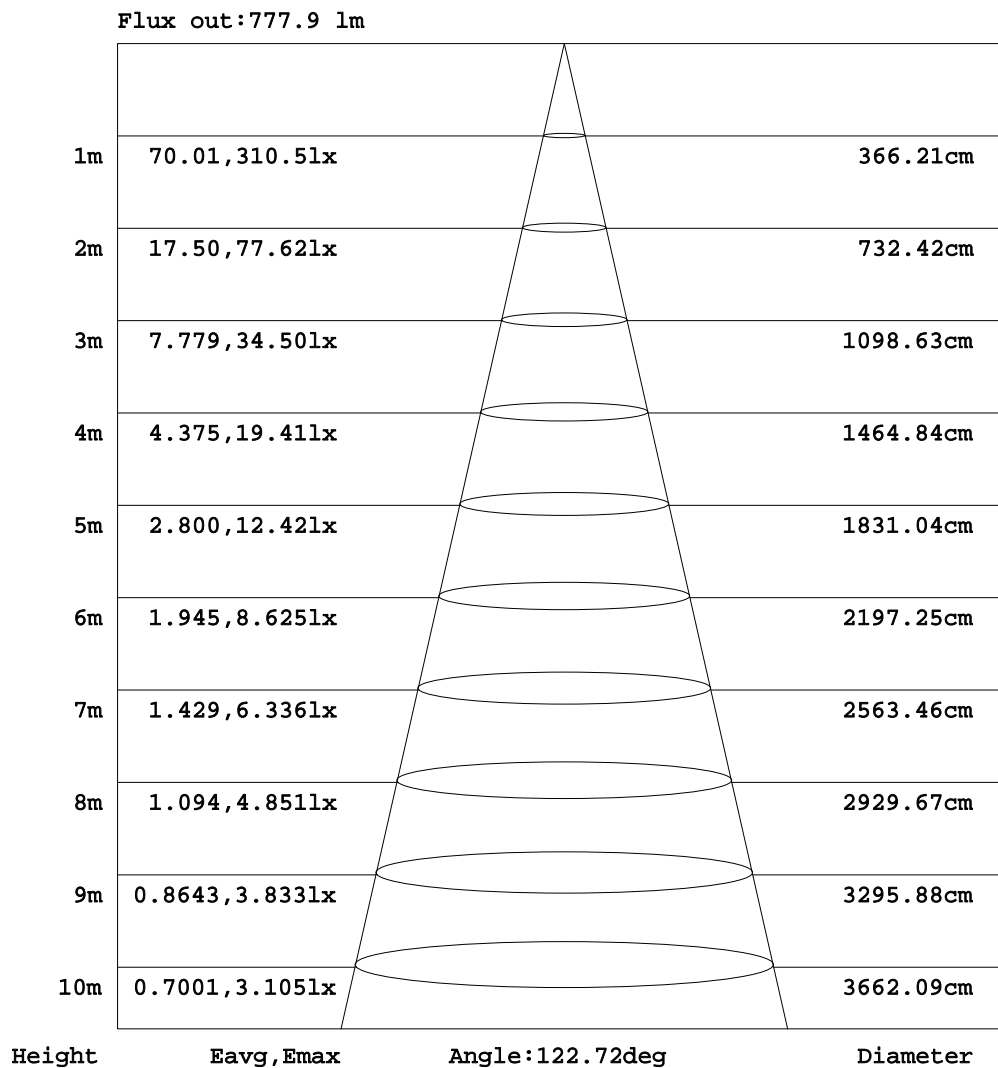


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 27 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-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:24.650W PF:0.9455 Freq:60.00Hz Lamp Flux:1274.43x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



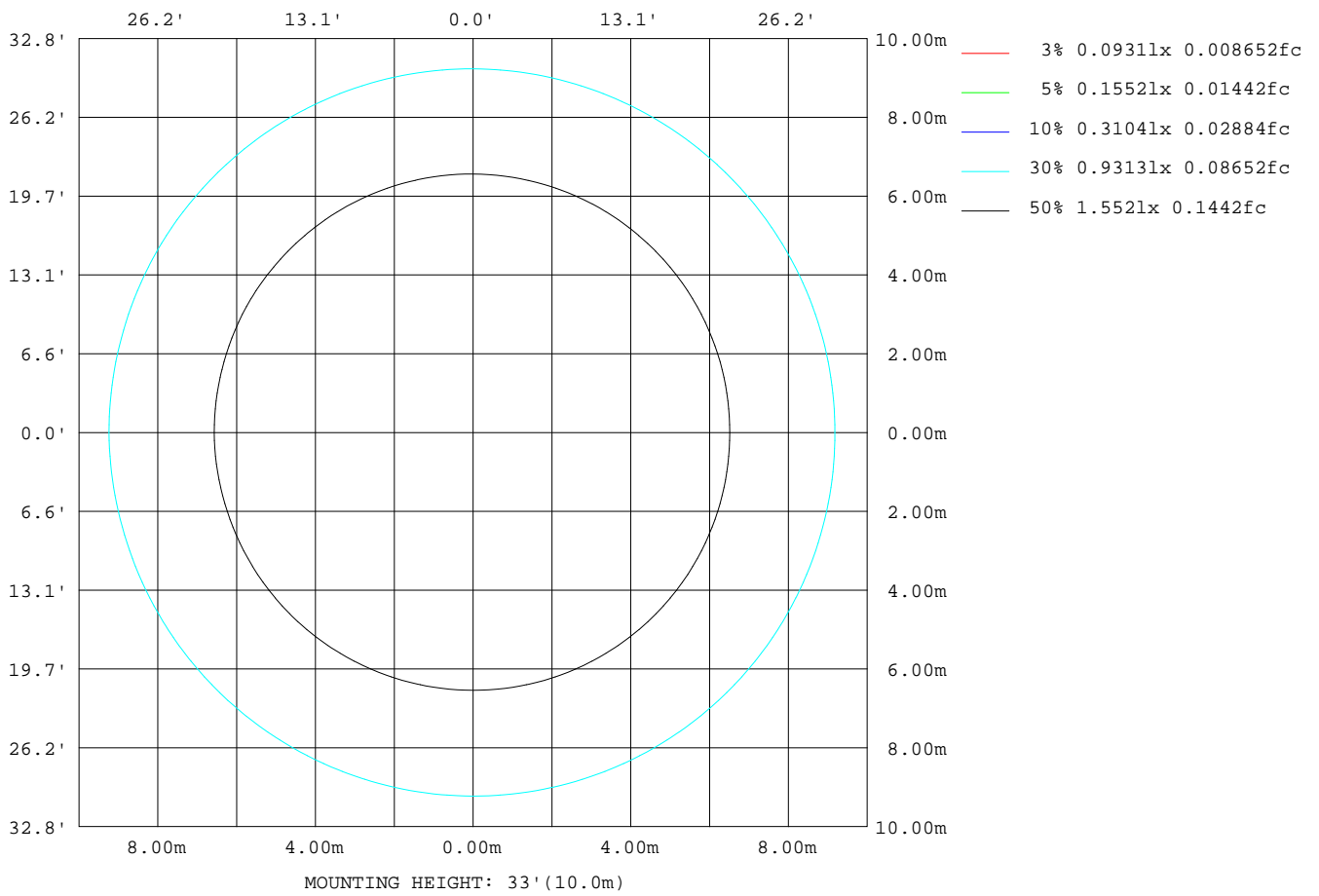
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 GO-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:24.650W PF:0.9455 Freq:60.00Hz Lamp Flux:1274.43x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 3000K	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 GO-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:24.650W PF:0.9455 Freq:60.00Hz Lamp Flux:1274.43x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 3000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	Shielding Angle:

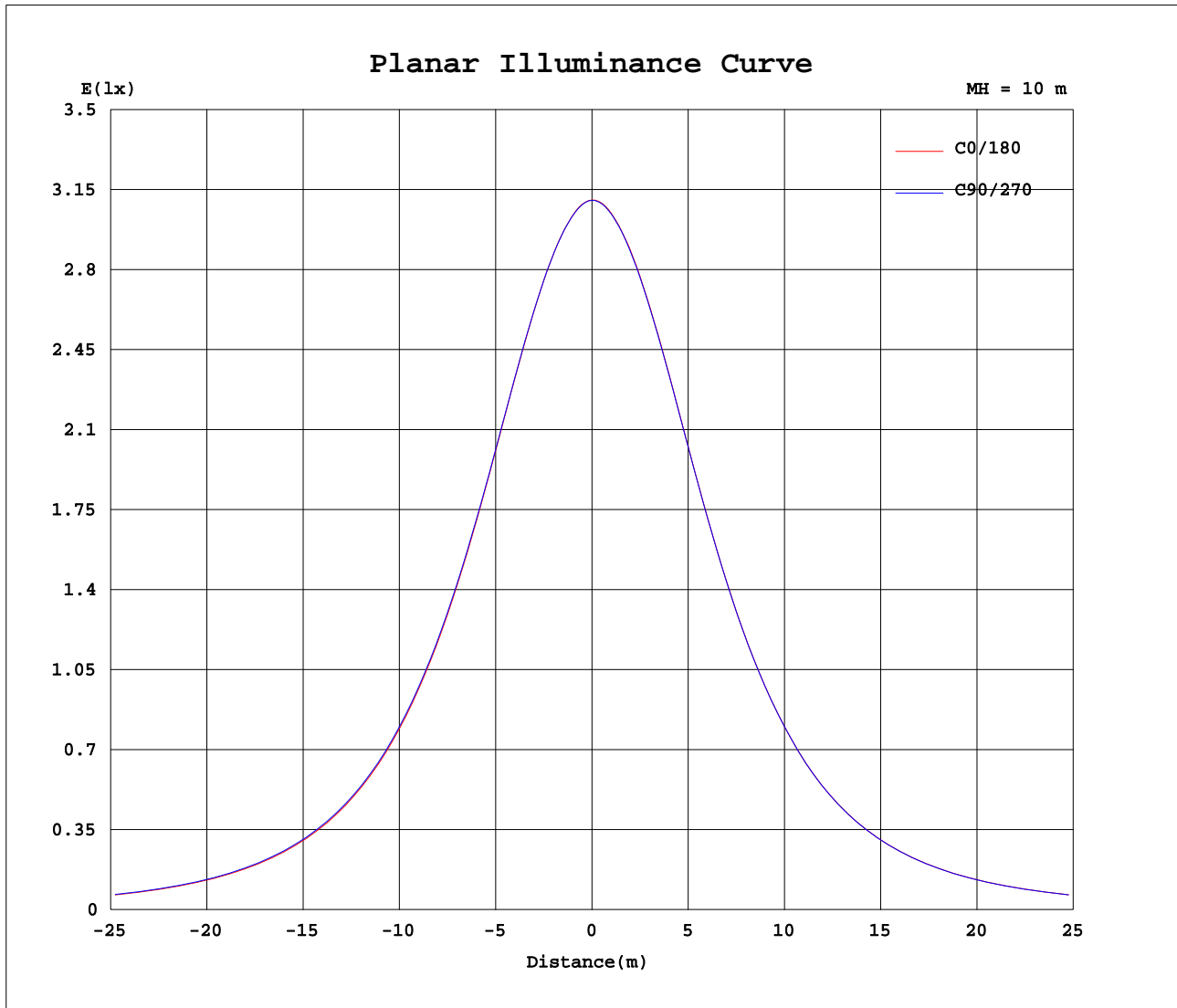
AvgL	cd/m2
L_0~180(65)av	1974
L_0~180(75)av	2117
L_0~180(85)av	3400
L_90~270(65)av	1993
L_90~270(75)av	2142
L_90~270(85)av	3432
L_45(65)av	1982
L_45(75)av	2126
L_45(85)av	3426

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 GO-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 GO-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:24.650W PF:0.9455 Freq:60.00Hz Lamp Flux:1274.43x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 3000K	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	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310	310
5	309	309	309	308	309	309	309	309	309	309	309	309	310	309	310	310	310	309	309
10	305	305	305	305	305	305	305	305	306	306	306	307	307	307	307	307	307	307	306
15	300	300	300	300	301	301	300	301	301	301	301	302	302	302	303	302	303	302	302
20	293	293	294	294	294	294	294	294	294	295	295	295	296	296	296	296	296	296	295
25	284	284	284	284	285	285	285	285	285	285	286	286	287	287	287	287	287	287	286
30	272	272	273	273	273	273	273	273	273	273	274	274	275	275	275	275	275	275	274
35	258	258	259	259	260	260	260	260	259	260	260	260	261	261	261	261	261	261	260
40	242	242	243	243	244	244	244	244	243	244	243	244	245	245	245	245	245	245	244
45	224	225	225	226	226	226	226	226	226	226	225	226	226	227	227	227	227	227	226
50	204	205	206	206	207	207	207	206	206	206	206	206	206	206	207	207	206	206	206
55	183	184	185	185	186	186	186	185	185	184	184	184	185	185	185	185	185	185	184
60	161	162	162	163	164	164	164	163	162	162	162	162	163	163	163	163	162	162	162
65	138	138	139	140	141	141	141	140	139	139	138	139	139	139	139	139	139	139	138
70	114	115	116	117	118	118	117	117	116	115	115	115	115	115	115	115	115	114	114
75	90.7	91.6	92.4	93.7	94.3	94.4	93.9	92.9	91.8	91.0	90.4	90.2	91.0	91.0	90.8	90.5	90.2	90.2	90.0
80	67.8	68.8	69.8	70.6	71.0	70.9	70.3	69.3	68.3	67.5	66.9	66.4	66.8	66.5	66.4	66.3	66.0	65.8	65.7
85	50.1	51.3	52.3	53.0	53.2	52.8	52.2	51.4	50.3	49.4	48.7	48.1	48.2	47.9	47.7	47.4	47.0	46.9	46.9
90	39.8	41.0	42.0	42.6	43.0	42.7	41.9	40.9	39.8	38.8	37.8	37.0	36.6	36.1	35.9	35.6	35.4	35.5	35.8
95	38.7	39.9	40.8	41.5	41.8	41.4	40.7	39.7	38.6	37.7	36.8	36.1	35.5	35.2	34.8	34.5	34.3	34.3	34.5
100	38.8	39.8	40.8	41.4	41.7	41.4	40.7	39.8	38.8	37.9	37.0	36.3	35.7	35.4	35.1	34.7	34.5	34.4	34.6
105	39.2	40.2	41.1	41.7	41.9	41.7	41.0	40.2	39.4	38.5	37.6	36.9	36.4	35.9	35.7	35.4	35.1	35.0	35.2
110	39.5	40.5	41.2	41.8	42.0	41.9	41.3	40.5	39.8	38.9	38.0	37.3	36.8	36.4	36.2	35.9	35.6	35.5	35.7
115	39.6	40.5	41.2	41.7	42.0	41.9	41.3	40.6	40.0	39.1	38.3	37.6	37.1	36.7	36.4	36.2	36.0	35.9	36.0
120	39.5	40.3	41.1	41.5	41.8	41.6	41.2	40.6	40.0	39.2	38.5	37.8	37.3	36.9	36.5	36.3	36.2	36.1	36.2
125	39.3	40.1	40.8	41.3	41.5	41.3	40.9	40.4	39.8	39.2	38.5	37.9	37.3	37.0	36.5	36.3	36.2	36.2	36.3
130	39.1	39.8	40.4	40.9	41.0	41.0	40.5	40.0	39.5	39.0	38.4	37.8	37.3	37.0	36.6	36.3	36.2	36.2	36.4
135	39.0	39.7	40.2	40.6	40.7	40.6	40.2	39.7	39.2	38.7	38.2	37.6	37.3	37.0	36.7	36.3	36.3	36.4	36.6
140	39.0	39.5	39.9	40.2	40.3	40.2	39.8	39.6	39.1	38.6	38.1	37.7	37.4	37.1	36.9	36.7	36.6	36.6	36.8
145	38.6	39.1	39.6	39.9	39.9	39.8	39.6	39.1	38.5	38.2	38.0	37.7	37.5	37.3	37.0	36.9	36.8	36.8	36.9
150	38.1	38.4	38.9	39.2	39.3	39.1	38.9	38.6	38.3	37.9	37.4	36.8	37.5	37.3	37.1	36.9	36.8	36.8	36.9
155	37.7	37.9	38.2	38.4	38.5	38.5	38.2	38.0	37.9	37.6	37.2	36.9	37.2	37.0	36.9	36.7	36.5	36.3	36.3
160	36.7	36.8	37.1	37.2	37.6	37.7	37.7	37.6	37.5	37.2	36.9	36.7	37.0	36.8	36.5	36.4	36.1	36.0	36.1
165	35.9	36.0	36.4	36.5	36.9	37.0	36.9	36.8	36.6	36.5	36.5	36.2	36.4	36.2	36.0	35.9	35.6	36.2	36.3
170	30.9	31.1	31.5	31.7	32.0	32.3	32.3	32.4	32.4	32.3	32.1	32.0	32.2	32.3	32.0	31.7	31.3	31.0	30.9
175	22.8	23.0	23.4	23.7	24.1	24.5	24.5	24.6	24.6	24.5	24.3	24.1	24.9	25.0	24.6	24.4	24.0	23.8	23.7
180	20.0	20.1	19.7	19.7	19.5	19.7	19.7	20.2	20.1	19.9	19.6	18.9	20.2	20.4	20.3	20.3	20.3	20.3	20.3

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 GO-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:24.650W PF:0.9455 Freq:60.00Hz Lamp Flux:1274.43x1 lm		
NAME: LED Ceiling light	TYPE:LED	WEIGHT:
SPEC.:ASD-LFC-LF-14D24-AC-BK 3000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	310	310	310	310	310														
5	309	309	309	309	309														
10	306	306	306	305	305														
15	302	301	301	301	301														
20	295	295	294	294	294														
25	286	285	285	284	284														
30	274	273	273	273	272														
35	260	259	259	259	258														
40	244	243	243	242	242														
45	226	225	225	224	224														
50	205	205	204	204	204														
55	184	183	183	183	183														
60	161	161	161	160	161														
65	138	138	137	137	137														
70	114	114	113	113	114														
75	90.0	89.8	89.9	90.2	90.8														
80	65.9	66.1	66.4	66.8	67.5														
85	47.2	47.7	48.4	48.9	49.7														
90	36.1	36.6	37.2	37.9	38.9														
95	34.8	35.4	36.1	36.9	37.8														
100	34.9	35.5	36.2	37.0	37.8														
105	35.5	36.0	36.7	37.5	38.3														
110	36.0	36.4	37.1	37.8	38.6														
115	36.3	36.7	37.3	38.0	38.8														
120	36.4	36.9	37.4	38.1	38.8														
125	36.5	37.0	37.4	38.0	38.7														
130	36.7	37.0	37.5	38.0	38.6														
135	36.9	37.2	37.6	38.1	38.6														
140	37.1	37.4	37.8	38.2	38.7														
145	37.2	37.5	37.8	38.1	38.5														
150	37.2	37.5	37.4	37.3	37.8														
155	36.4	36.9	36.8	37.1	37.4														
160	36.0	36.4	36.6	36.6	36.7														
165	36.4	36.4	36.3	36.2	36.0														
170	31.0	31.1	31.2	31.2	31.1														
175	23.5	23.3	23.3	23.1	23.2														
180	20.1	20.0	19.9	19.7	19.7														

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 GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 42.7%
 Test Distance: 2.500m [K=1.0395]
 Remarks: