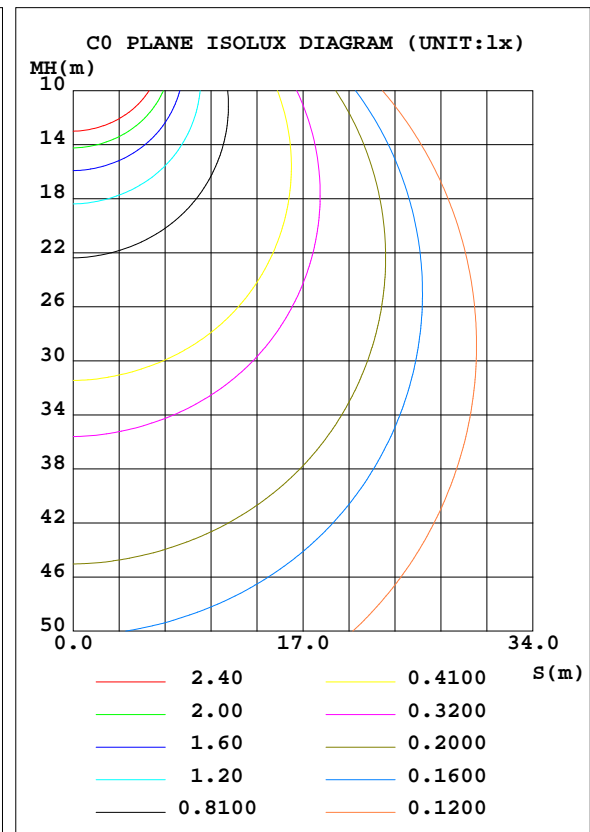
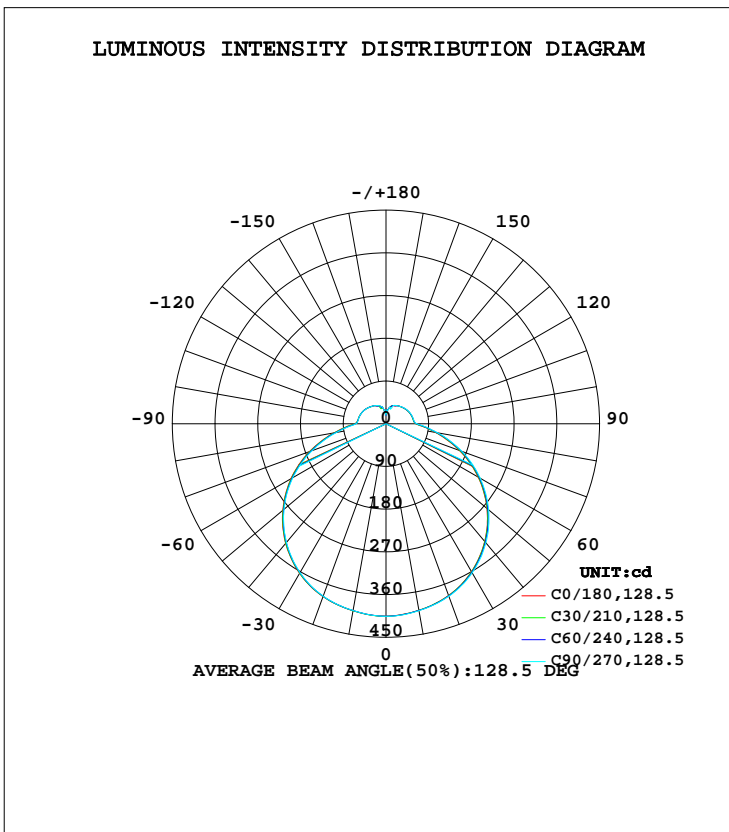


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.3154A P:34.460W PF:0.9105 Freq:60.00Hz Lamp Flux:1766.69x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_2700K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 51.27 lm/W			
MODEL	ASD-LFC-LF-18D35-AC-BK	I _{max} (cd)	405.8	S/MH(C0/180)	1.34
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.33
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1766.7	η UP, DN(C0-180)	9.3,40.8
NOMINAL FLUX(lm)	1766.69	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	9.4,40.6
LAMPS INSIDE	1	η up(%)	18.7	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	81.3	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 01 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	399.0	399.1	400.0	400.4	399.9	399.9	399.7	399.5	0- 10	38.41	38.41	2.17,2.17
20	385.3	385.5	386.9	387.3	387.7	387.2	386.5	385.7	10- 20	111.4	149.8	8.48,8.48
30	360.0	360.9	362.9	363.7	364.0	363.4	362.1	360.8	20- 30	173.4	323.3	18.3,18.3
40	323.6	324.6	327.4	328.6	328.9	327.9	326.2	324.6	30- 40	216.4	539.6	30.5,30.5
50	277.7	279.2	282.3	283.5	283.9	282.4	280.3	278.7	40- 50	235.3	774.9	43.9,43.9
60	224.2	226.0	229.3	230.6	231.2	229.2	226.7	225.5	50- 60	228.2	1003	56.8,56.8
70	164.4	167.2	170.2	171.8	171.4	169.0	166.0	165.0	60- 70	196.4	1200	67.9,67.9
80	105.6	107.6	110.7	112.0	111.4	109.2	105.9	105.4	70- 80	145.7	1345	76.1,76.1
90	62.82	63.89	65.30	65.91	66.48	65.20	63.39	63.07	80- 90	91.84	1437	81.3,81.3
100	58.03	57.99	58.61	58.95	59.50	59.32	59.08	58.75	90-100	65.88	1503	85.1,85.1
110	56.14	56.17	56.78	57.03	57.47	57.41	57.17	56.81	100-110	61.26	1564	88.5,88.5
120	53.66	53.71	54.29	54.45	54.73	54.88	54.63	54.28	110-120	55.28	1619	91.7,91.7
130	50.63	50.66	51.10	51.12	51.39	51.51	51.33	51.09	120-130	47.38	1667	94.3,94.3
140	47.45	47.54	47.58	47.59	47.82	47.87	47.80	47.62	130-140	38.26	1705	96.5,96.5
150	43.90	44.03	44.44	44.15	43.93	44.29	44.32	44.20	140-150	28.96	1734	98.2,98.2
160	40.22	40.89	35.85	40.95	40.06	36.73	40.55	40.26	150-160	19.51	1754	99.3,99.3
170	31.68	32.37	31.22	32.70	32.15	31.37	32.31	32.84	160-170	10.41	1764	99.8,99.8
180	31.53	30.41	30.46	31.49	31.60	17.47	17.90	19.15	170-180	2.685	1767	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 656.53 lm

%lum = 37.2%
 %lamp = 37.2%

Conical surface Flux(120deg): 1003.1 lm

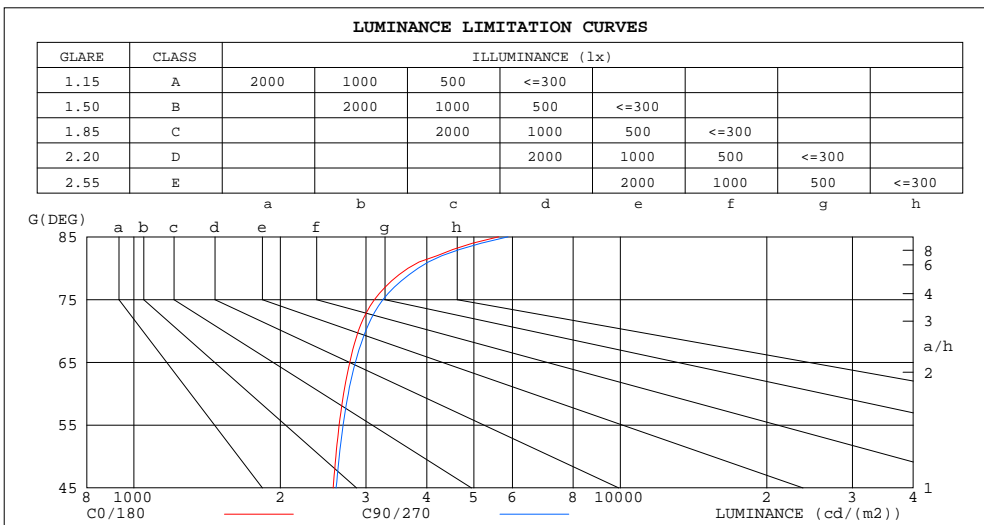
%lum = 56.8%
 %lamp = 56.8%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 01 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.3154A P:34.460W PF:0.9105 Freq:60.00Hz Lamp Flux:1766.69x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_2700K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5619	5876
80	3662	3839
75	3124	3251
70	2893	2996
65	2779	2854
60	2699	2761
55	2642	2693
50	2601	2644
45	2569	2604

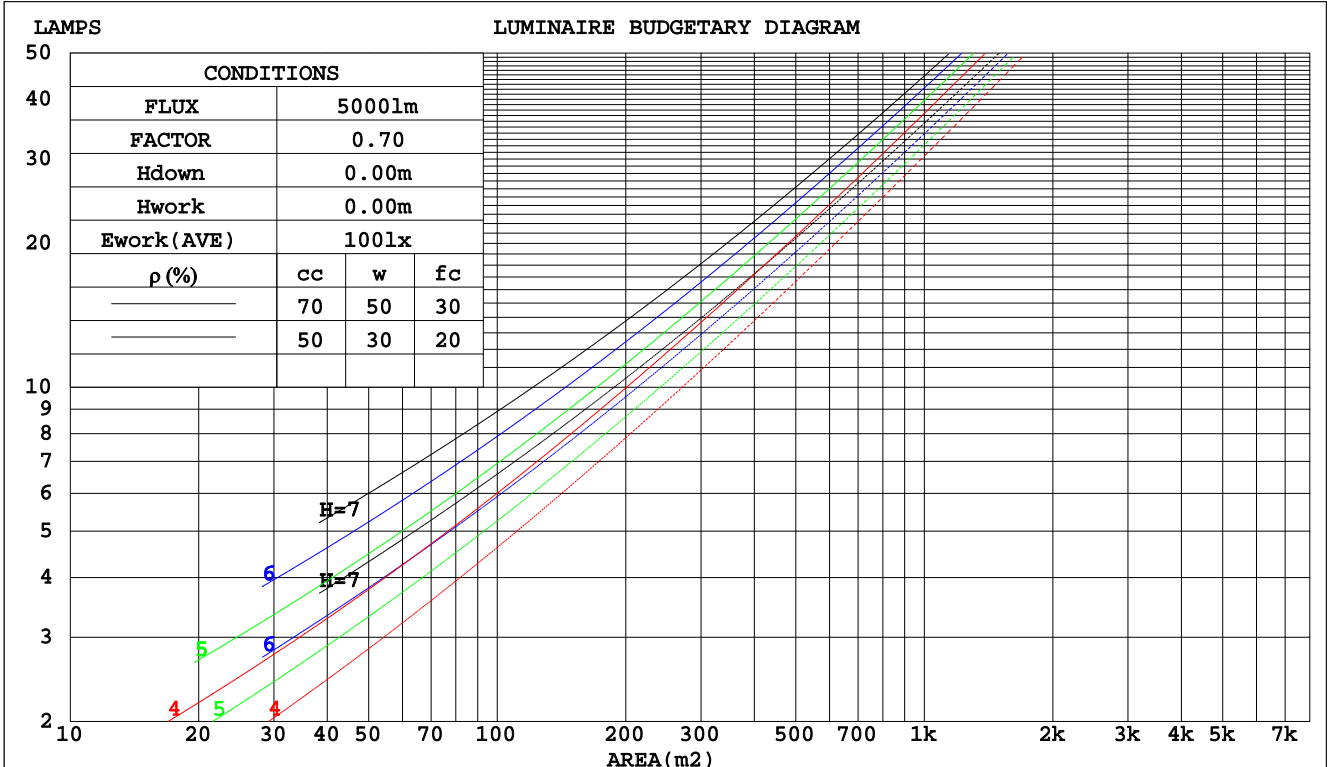
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 01 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.3154A P:34.460W PF:0.9105 Freq:60.00Hz Lamp Flux:1766.69x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_2700K	TYPE:LED	WEIGHT:
SPEC.:	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																
pfc	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	.97	.92	.88	.93	.88	.84	.85	.82	.78	.78	.75	.73	.72	.69	.67	.64
2.0	.83	.76	.70	.80	.73	.67	.73	.68	.63	.67	.63	.59	.62	.58	.55	.52
3.0	.73	.64	.57	.70	.62	.55	.64	.57	.52	.59	.53	.49	.54	.49	.46	.43
4.0	.64	.55	.48	.61	.53	.46	.56	.49	.44	.52	.46	.41	.48	.43	.39	.36
5.0	.57	.47	.41	.54	.46	.39	.50	.43	.37	.46	.40	.35	.43	.37	.33	.31
6.0	.51	.42	.35	.49	.40	.34	.45	.38	.32	.42	.35	.31	.38	.33	.29	.26
7.0	.46	.37	.31	.44	.36	.30	.41	.34	.28	.38	.32	.27	.35	.30	.25	.23
8.0	.42	.33	.27	.40	.32	.26	.37	.30	.25	.35	.28	.24	.32	.27	.23	.21
9.0	.38	.30	.24	.37	.29	.24	.34	.27	.23	.32	.26	.21	.30	.24	.20	.18
10.0	.35	.27	.22	.34	.26	.21	.32	.25	.20	.29	.23	.19	.27	.22	.18	.17



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 01 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

WEC AND CCEC

Test:U:120.00V I:0.3154A P:34.460W PF:0.9105 Freq:60.00Hz Lamp Flux:1766.69x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_2700K	TYPE:LED	WEIGHT:
SPEC.:	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	.355	.202	.064	.342	.195	.062	.318	.183	.058	.296	.171	.055	.276	.160	.052	
2.0	.316	.173	.053	.304	.168	.052	.283	.157	.049	.262	.147	.046	.244	.138	.044	
3.0	.284	.151	.045	.274	.147	.044	.254	.138	.042	.236	.129	.040	.219	.121	.038	
4.0	.258	.134	.039	.249	.130	.038	.231	.122	.037	.214	.115	.035	.199	.108	.033	
5.0	.236	.120	.035	.228	.117	.034	.211	.110	.032	.196	.104	.031	.182	.097	.029	
6.0	.217	.109	.031	.209	.106	.030	.195	.100	.029	.181	.094	.028	.168	.088	.026	
7.0	.201	.099	.028	.194	.097	.028	.180	.091	.026	.168	.086	.025	.156	.081	.024	
8.0	.187	.091	.026	.180	.089	.025	.168	.084	.024	.156	.079	.023	.145	.075	.022	
9.0	.174	.084	.024	.168	.082	.023	.157	.078	.022	.146	.073	.021	.136	.069	.020	
10.0	.164	.078	.022	.158	.076	.021	.147	.072	.020	.137	.068	.019	.128	.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	.327	.299	.274	.280	.257	.236	.191	.177	.163	.110	.102	.095	.035	.033	.031	
2.0	.320	.276	.239	.274	.238	.207	.188	.164	.144	.108	.096	.085	.035	.031	.028	
3.0	.312	.259	.217	.268	.224	.188	.184	.155	.132	.106	.091	.078	.034	.029	.026	
4.0	.305	.247	.203	.262	.213	.176	.180	.149	.124	.104	.087	.073	.033	.028	.024	
5.0	.297	.237	.193	.255	.205	.167	.176	.143	.118	.102	.084	.070	.033	.027	.023	
6.0	.290	.229	.185	.249	.198	.161	.172	.139	.114	.100	.082	.068	.032	.027	.022	
7.0	.283	.222	.180	.244	.193	.157	.168	.135	.111	.098	.080	.066	.032	.026	.022	
8.0	.277	.217	.176	.238	.188	.153	.165	.132	.109	.096	.078	.065	.031	.026	.021	
9.0	.271	.212	.173	.233	.184	.151	.162	.129	.107	.094	.076	.064	.030	.025	.021	
10.0	.265	.208	.170	.228	.181	.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: 01 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.3154A P:34.460W PF:0.9105 Freq:60.00Hz Lamp Flux:1766.69x1 lm										
NAME: ASD-LFC-LF-18D35-AC-BK_2700K					TYPE:LED			WEIGHT:		
SPEC.:					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	15.2	16.5	15.7	17.0	17.6	15.3	16.6	15.8	17.1	17.7
3H	17.1	18.4	17.7	18.9	19.5	17.3	18.5	17.8	19.0	19.6
4H	18.1	19.3	18.7	19.8	20.4	18.3	19.4	18.8	20.0	20.6
6H	19.0	20.1	19.6	20.7	21.4	19.2	20.3	19.8	20.9	21.6
8H	19.5	20.6	20.1	21.2	21.8	19.7	20.8	20.3	21.4	22.0
12H	20.1	21.1	20.7	21.7	22.4	20.3	21.3	20.9	21.9	22.6
4H 2H	15.9	17.0	16.4	17.6	18.2	15.9	17.1	16.5	17.7	18.3
3H	18.0	19.0	18.6	19.6	20.3	18.1	19.1	18.7	19.7	20.4
4H	19.1	20.1	19.8	20.7	21.4	19.3	20.2	19.9	20.8	21.5
6H	20.2	21.1	20.9	21.7	22.5	20.4	21.2	21.1	21.9	22.6
8H	20.8	21.6	21.5	22.3	23.0	21.0	21.8	21.7	22.4	23.2
12H	21.5	22.2	22.2	22.9	23.6	21.7	22.4	22.4	23.1	23.8
8H 4H	19.6	20.3	20.2	21.0	21.8	19.7	20.4	20.3	21.1	21.9
6H	20.9	21.5	21.6	22.2	23.1	21.1	21.7	21.8	22.4	23.2
8H	21.7	22.2	22.4	22.9	23.8	21.8	22.4	22.5	23.1	23.9
12H	22.5	23.0	23.2	23.7	24.6	22.7	23.2	23.4	23.9	24.8
12H 4H	19.6	20.3	20.3	21.0	21.8	19.7	20.4	20.4	21.1	21.9
6H	21.1	21.6	21.8	22.4	23.2	21.2	21.8	21.9	22.5	23.3
8H	21.9	22.4	22.6	23.1	24.0	22.1	22.6	22.8	23.3	24.1
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 / - 0.3				

CIE Pub.117, 1767 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.0)
 Area: 0.166106 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 01 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.3154A P:34.460W PF:0.9105 Freq:60.00Hz Lamp Flux:1766.69x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_2700K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

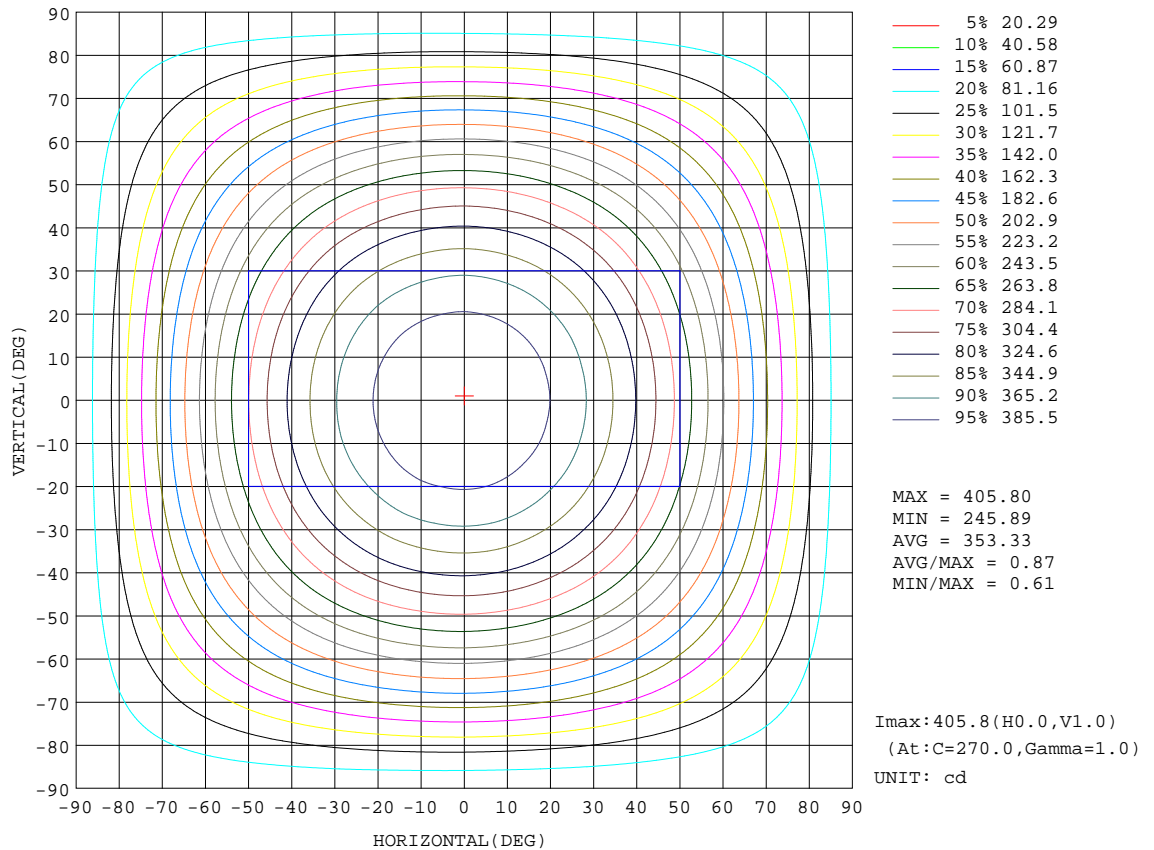
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	37	30	48	36	29	46	35	29	22
0.80	58	46	38	57	45	37	54	43	36	28
1.00	66	54	46	64	53	45	60	53	44	35
1.25	73	61	53	71	60	52	66	57	50	40
1.50	78	67	59	76	65	58	70	62	55	45
2.00	86	75	68	82	73	66	77	69	63	51
2.50	90	81	73	87	78	71	80	73	68	55
3.00	94	85	78	90	82	76	83	77	72	58
4.00	98	91	85	94	88	82	87	82	77	63
5.00	101	95	89	97	91	87	89	85	81	66
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: 01 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.3154A P:34.460W PF:0.9105 Freq:60.00Hz Lamp Flux:1766.69x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_2700K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

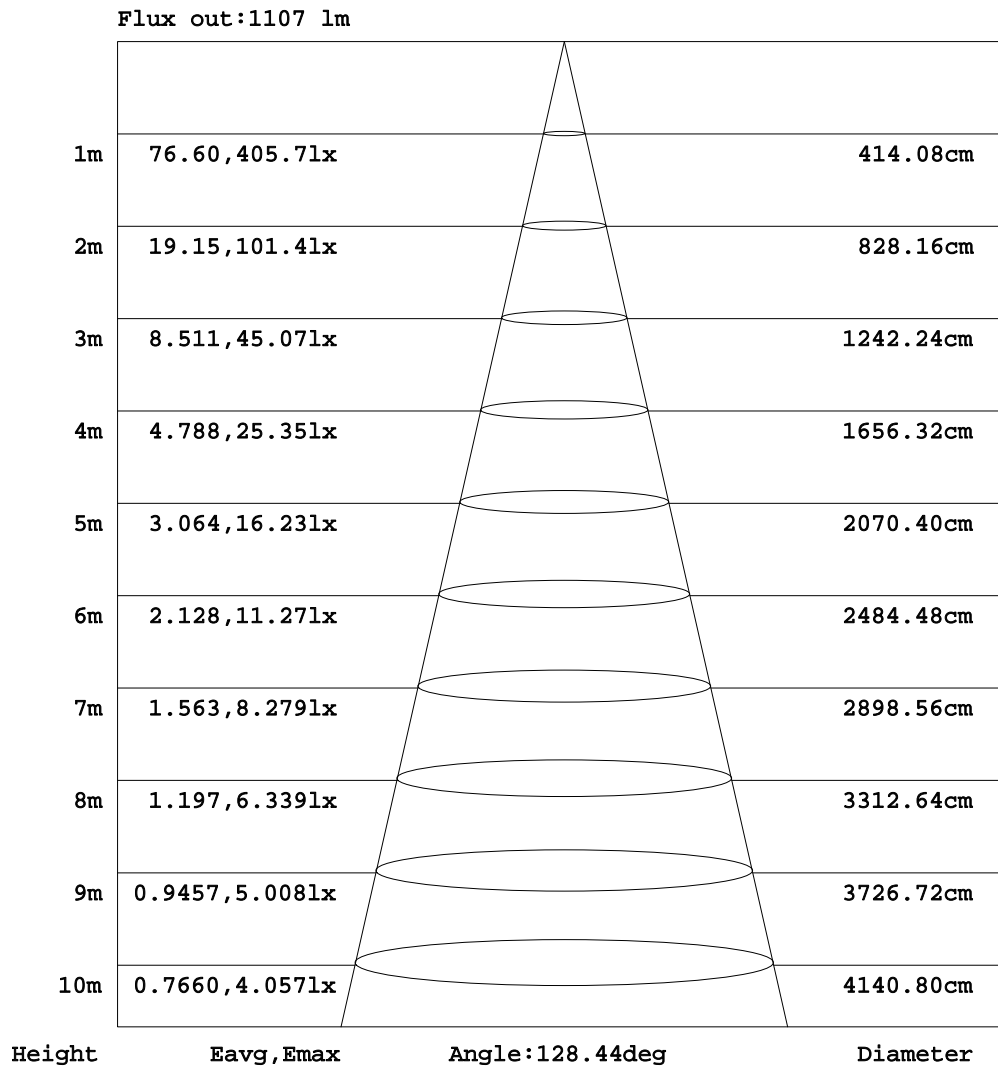


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 01 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

AAI Figure

Test:U:120.00V I:0.3154A P:34.460W PF:0.9105 Freq:60.00Hz Lamp Flux:1766.69x1 lm		
NAME:ASD-LFC-LF-18D35-AC-BK_2700K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



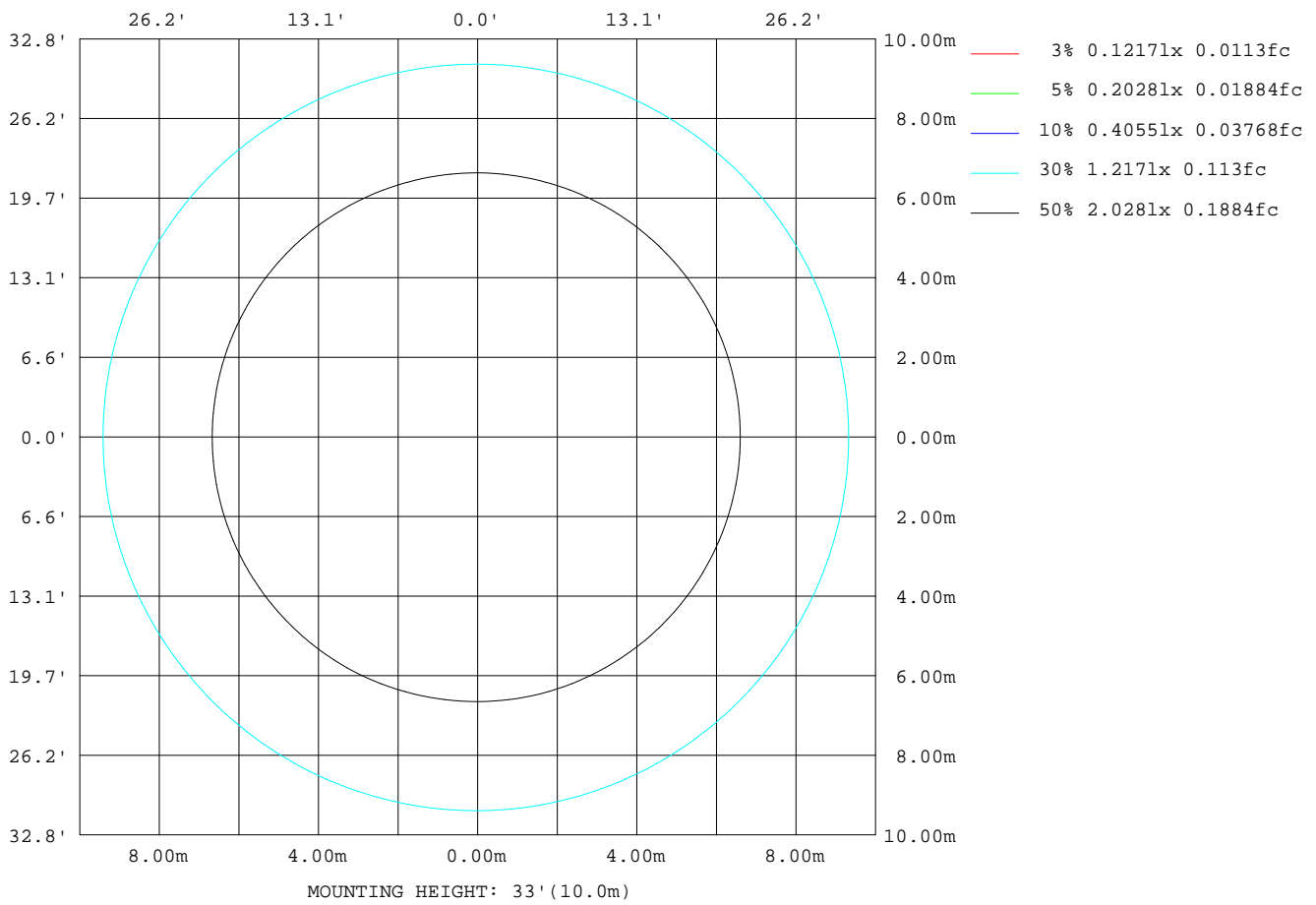
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators:Alan Wang
 Test Date:01 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance:2.500m [K=1.0391]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:0.3154A P:34.460W PF:0.9105 Freq:60.00Hz Lamp Flux:1766.69x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_2700K	TYPE:LED	WEIGHT:
SPEC.:	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: 01 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

LED Avg.L Report

Test:U:120.00V I:0.3154A P:34.460W PF:0.9105 Freq:60.00Hz Lamp Flux:1766.69x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_2700K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

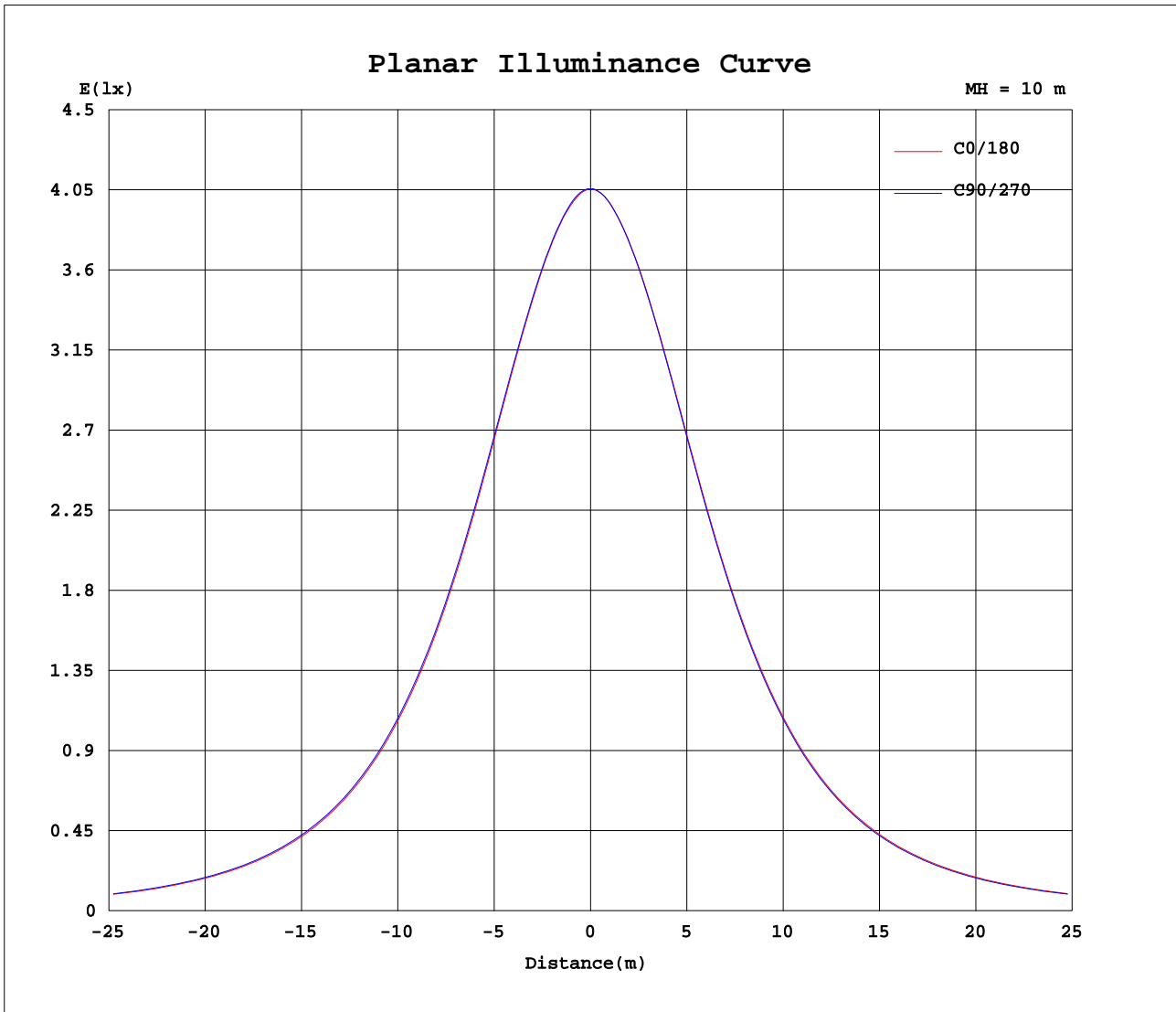
AvgL	cd/m2
L_0~180(65)av	2826
L_0~180(75)av	3201
L_0~180(85)av	5793
L_90~270(65)av	2828
L_90~270(75)av	3197
L_90~270(85)av	5750
L_45(65)av	2829
L_45(75)av	3204
L_45(85)av	5773

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.0DEG
Operators: Alan Wang
Test Date: 01 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Humidity: 43.1%
Test Distance: 2.500m [K=1.0391]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 01 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.3154A P:34.460W PF:0.9105 Freq:60.00Hz Lamp Flux:1766.69x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_2700K	TYPE:LED	WEIGHT:
SPEC.:	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	406	405	406	405	405	406	406	405	406	405	405	405	406	405	406	405	405	406	406
5	403	403	403	403	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404
10	399	399	399	399	399	400	400	400	400	400	400	400	400	400	400	400	400	400	400
15	393	393	393	393	394	394	394	394	395	395	395	395	395	395	395	395	394	394	394
20	385	385	385	386	386	387	387	387	387	387	387	388	388	387	387	387	387	387	387
25	374	374	375	375	375	376	376	377	377	377	377	378	377	377	377	377	376	376	376
30	360	360	360	361	362	363	363	363	364	364	364	364	364	364	364	363	363	362	362
35	343	343	343	344	345	346	346	347	347	347	348	348	348	348	347	347	346	346	345
40	324	324	324	325	326	327	327	328	328	329	329	329	329	329	328	328	327	326	326
45	302	302	302	303	304	305	306	306	307	307	307	307	307	307	307	306	305	305	304
50	278	278	278	279	280	281	282	283	283	284	284	284	284	284	283	282	281	281	280
55	252	252	252	254	254	256	257	257	258	258	258	258	258	258	257	257	256	255	254
60	224	225	225	226	227	228	229	230	230	231	231	231	231	231	230	229	228	227	227
65	195	196	196	197	198	199	200	201	201	202	202	202	202	201	200	199	198	197	197
70	164	165	166	167	168	169	170	171	171	172	172	172	171	171	170	169	168	167	166
75	134	135	136	137	138	139	140	140	141	141	141	142	141	140	139	138	137	136	135
80	106	106	107	108	109	110	111	111	112	112	112	111	111	110	109	108	107	106	106
85	81.4	81.6	82.1	82.8	83.8	84.5	85.1	85.6	86.0	86.3	86.4	86.5	86.4	85.9	85.2	84.2	83.1	82.2	81.4
90	62.8	62.9	63.2	63.9	64.6	65.0	65.3	65.4	65.7	65.9	66.1	66.3	66.5	66.3	65.9	65.2	64.4	63.8	63.4
95	59.0	58.8	58.9	59.2	59.6	59.8	60.0	60.1	60.2	60.4	60.5	60.7	61.0	60.9	60.8	60.5	60.3	60.1	59.9
100	58.0	57.8	57.8	58.0	58.3	58.4	58.6	58.7	58.8	58.9	59.1	59.2	59.5	59.6	59.5	59.3	59.2	59.1	59.1
105	57.1	57.0	56.9	57.1	57.4	57.6	57.8	57.8	58.0	58.1	58.2	58.3	58.6	58.6	58.6	58.4	58.4	58.3	58.2
110	56.1	56.0	55.9	56.2	56.4	56.6	56.8	56.9	56.9	57.0	57.2	57.2	57.5	57.5	57.6	57.4	57.3	57.3	57.2
115	55.0	54.8	54.8	55.0	55.2	55.5	55.6	55.7	55.7	55.8	55.9	55.9	56.2	56.3	56.3	56.3	56.1	56.1	56.0
120	53.7	53.6	53.6	53.7	53.9	54.1	54.3	54.3	54.4	54.5	54.6	54.5	54.7	54.9	54.9	54.9	54.8	54.7	54.6
125	52.2	52.2	52.1	52.3	52.4	52.6	52.8	52.8	52.9	52.9	53.0	52.9	53.1	53.3	53.3	53.3	53.2	53.2	53.0
130	50.6	50.5	50.5	50.7	50.8	51.0	51.1	51.1	51.1	51.1	51.3	51.2	51.4	51.5	51.5	51.5	51.5	51.5	51.3
135	49.0	48.8	48.8	49.0	49.1	49.2	49.3	49.2	49.3	49.3	49.4	49.4	49.6	49.6	49.6	49.6	49.7	49.6	49.5
140	47.4	47.4	47.4	47.5	47.5	47.5	47.6	47.5	47.6	47.6	47.6	47.7	47.8	47.8	47.8	47.9	47.9	47.9	47.8
145	46.0	46.1	46.0	46.0	45.9	45.9	45.9	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.2	46.2	46.3	46.2
150	43.9	43.9	44.4	44.0	43.8	44.2	44.4	44.5	44.3	44.2	44.3	44.1	43.9	44.3	44.3	44.3	44.1	44.1	44.3
155	41.9	42.4	42.7	42.8	42.3	41.5	42.8	42.4	41.9	42.6	42.5	42.4	41.8	40.9	42.3	42.3	41.2	42.3	42.3
160	40.2	40.7	40.7	40.9	40.9	39.7	35.9	37.4	40.6	41.0	41.0	40.7	40.1	39.9	36.1	36.7	40.2	40.5	40.5
165	36.1	36.8	37.5	37.7	37.0	36.0	35.3	35.4	36.7	37.7	37.9	37.7	36.5	35.9	34.7	34.9	35.8	36.7	37.5
170	31.7	32.0	32.2	32.4	32.5	32.8	31.2	32.1	32.5	32.7	32.9	31.8	32.2	32.3	32.1	31.4	32.3	32.2	32.3
175	25.9	26.5	26.8	25.7	25.3	25.0	24.9	24.9	26.1	26.9	26.3	25.2	25.8	25.8	24.9	24.4	24.3	25.1	25.7
180	31.5	31.6	30.7	30.4	31.0	30.4	30.5	31.5	31.5	31.5	30.6	30.4	31.6	35.1	20.7	17.5	17.2	17.4	17.9

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 01 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0391]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.3154A P:34.460W PF:0.9105 Freq:60.00Hz Lamp Flux:1766.69x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_2700K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	405	406	405	405	405														
5	404	404	403	403	403														
10	399	399	400	399	399														
15	394	394	394	394	393														
20	386	386	386	385	385														
25	375	375	375	375	374														
30	362	361	361	360	360														
35	345	344	344	344	343														
40	326	325	325	324	324														
45	304	303	303	302	302														
50	280	279	279	278	278														
55	254	253	253	252	252														
60	226	226	226	225	225														
65	196	196	196	195	195														
70	166	165	165	164	164														
75	135	135	134	134	134														
80	106	105	105	105	105														
85	81.1	81.0	81.0	81.0	81.3														
90	63.4	63.4	63.1	63.0	63.0														
95	59.9	60.0	59.6	59.5	59.4														
100	59.1	59.2	58.8	58.6	58.4														
105	58.2	58.4	57.9	57.8	57.5														
110	57.2	57.3	56.8	56.8	56.5														
115	56.0	56.1	55.6	55.6	55.3														
120	54.6	54.6	54.3	54.2	54.0														
125	53.0	53.1	52.8	52.7	52.5														
130	51.3	51.3	51.1	51.0	50.8														
135	49.5	49.6	49.3	49.3	49.2														
140	47.8	47.9	47.6	47.6	47.6														
145	46.3	46.3	46.1	45.8	45.9														
150	44.1	44.0	44.2	44.1	44.3														
155	42.5	41.8	40.7	42.3	42.1														
160	40.7	40.6	40.3	35.7	35.5														
165	37.8	37.7	36.8	36.0	35.1														
170	33.1	32.7	32.8	32.2	30.8														
175	27.0	27.1	26.6	25.3	25.2														
180	19.2	18.7	19.1	18.4	17.8														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 01 June 2023

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.416
 Humidity: 43.1%
 Test Distance: 2.500m [K=1.0391]
 Remarks: