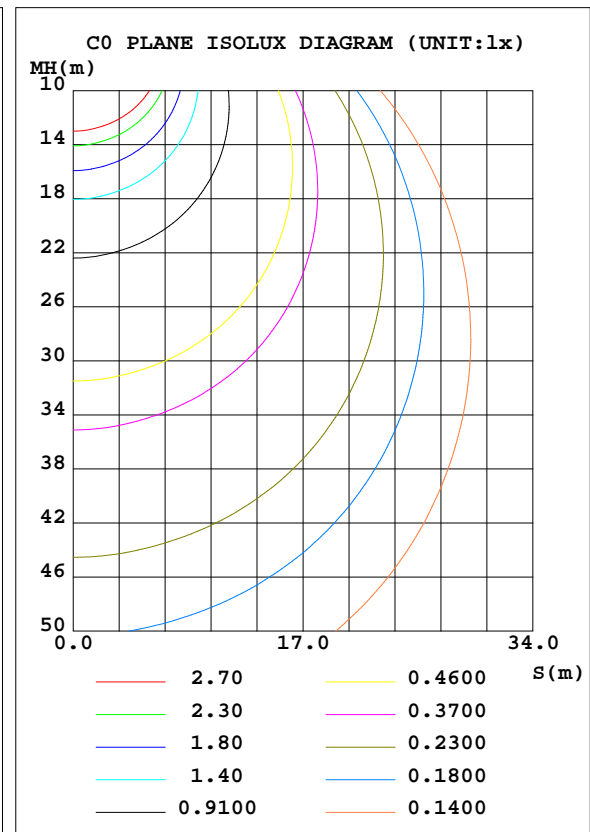
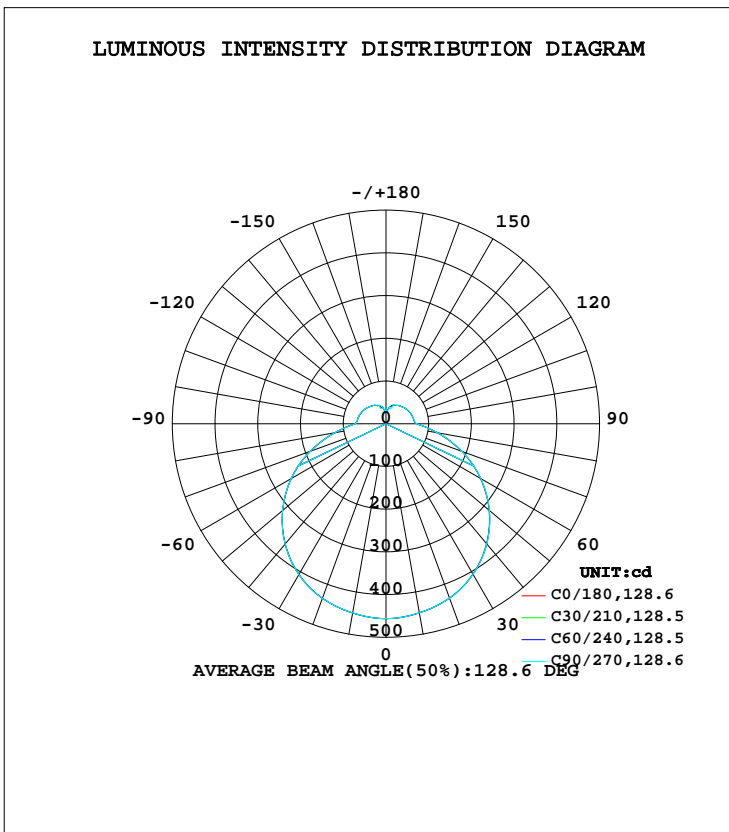


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.3107A P:33.750W PF:0.9051 Freq:60.00Hz Lamp Flux:1989.25x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_3500K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 58.94 lm/W			
MODEL	ASD-LFC-LF-18D35-AC-BK	I <sub>max</sub> (cd)	456.6	S/MH(C0/180)	1.33
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.33
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1989.2	η UP, DN(C0-180)	9.3,40.6
NOMINAL FLUX(lm)	1989.25	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	449.5	449.1	449.5	449.8	449.7	449.4	449.4	449.7	0- 10	43.21	43.21	2.17,2.17
20	434.5	434.1	434.7	435.0	435.1	434.6	435.0	434.9	10- 20	125.4	168.6	8.47,8.47
30	406.9	406.7	407.3	407.6	407.9	407.3	407.6	408.2	20- 30	195.1	363.6	18.3,18.3
40	366.3	366.4	367.3	366.9	367.6	366.9	367.2	367.5	30- 40	243.4	607.0	30.5,30.5
50	315.0	315.2	316.1	315.6	316.3	315.6	316.0	316.6	40- 50	264.6	871.6	43.8,43.8
60	255.2	255.6	256.1	255.6	256.5	255.7	255.9	257.1	50- 60	256.6	1128	56.7,56.7
70	188.1	189.4	189.7	189.3	189.5	188.2	188.3	189.2	60- 70	220.9	1349	67.8,67.8
80	121.6	122.4	123.1	122.4	122.4	121.5	120.7	122.3	70- 80	163.8	1513	76,76
90	71.93	72.50	72.93	72.98	73.95	73.23	72.54	72.82	80- 90	103.5	1616	81.3,81.3
100	65.65	65.37	65.93	66.39	67.14	67.13	67.25	66.91	90-100	74.42	1691	85,85
110	63.60	63.39	63.93	64.22	64.83	65.05	65.12	64.78	100-110	69.29	1760	88.5,88.5
120	60.92	60.69	61.14	61.27	61.77	62.15	62.17	61.82	110-120	62.56	1823	91.6,91.6
130	57.46	57.31	57.60	57.63	57.98	58.34	58.35	58.22	120-130	53.63	1876	94.3,94.3
140	53.89	53.89	53.71	53.69	54.04	54.19	54.32	54.30	130-140	43.32	1919	96.5,96.5
150	49.91	49.85	50.16	49.81	49.54	50.14	50.32	50.37	140-150	32.80	1952	98.1,98.1
160	45.64	46.28	40.25	46.25	45.42	41.56	46.06	45.86	150-160	22.11	1974	99.3,99.3
170	35.96	36.23	34.96	36.75	36.29	35.43	36.79	37.49	160-170	11.80	1986	99.8,99.8
180	39.80	37.39	38.93	41.06	35.83	34.67	34.32	35.75	170-180	3.049	1989	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 738.46 lm

%lum = 37.1%  
 %lamp = 37.1%

Conical surface Flux(120deg): 1128.1 lm

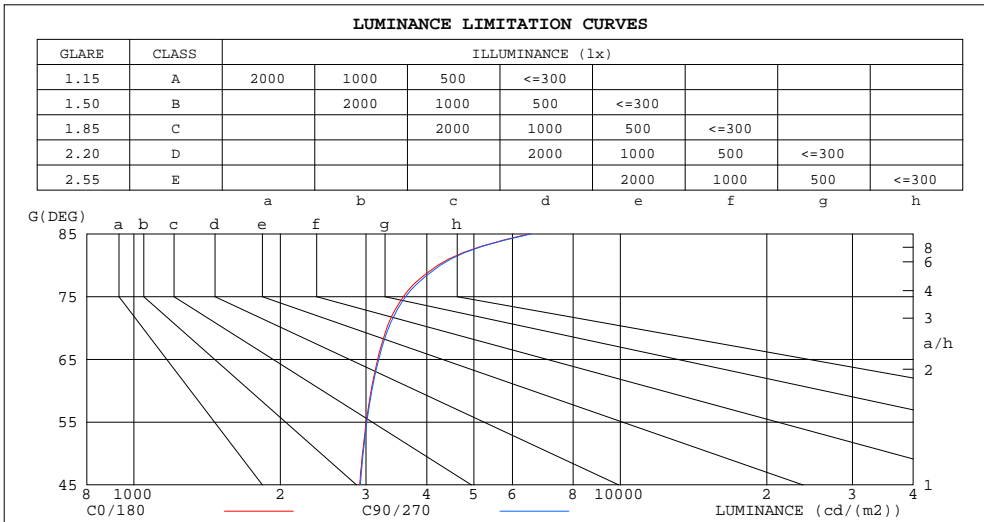
%lum = 56.7%  
 %lamp = 56.7%

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:0.3107A P:33.750W PF:0.9051 Freq:60.00Hz Lamp Flux:1989.25x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_3500K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6502	6564
80	4216	4269
75	3583	3620
70	3311	3339
65	3171	3187
60	3073	3083
55	3002	3013
50	2950	2960
45	2911	2921

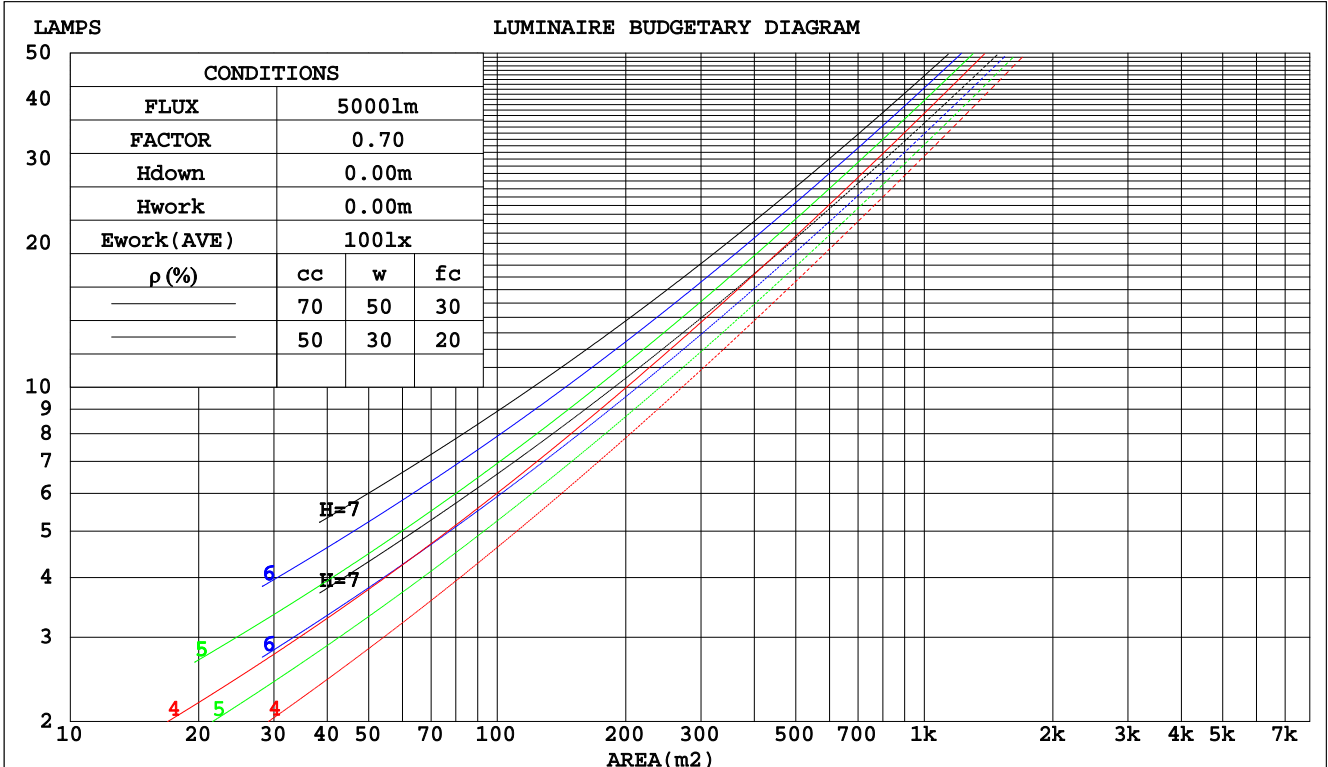
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 01 June 2023

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.3107A P:33.750W PF:0.9051 Freq:60.00Hz Lamp Flux:1989.25x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_3500K	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	.71	.69	.67	.64
2.0	.83	.76	.70	.80	.73	.67	.73	.68	.63	.67	.63	.59	.61	.58	.55	.52
3.0	.73	.64	.57	.70	.62	.55	.64	.57	.52	.59	.53	.49	.54	.49	.46	.42
4.0	.64	.55	.48	.61	.53	.46	.56	.49	.44	.52	.46	.41	.47	.43	.39	.36
5.0	.57	.47	.41	.54	.46	.39	.50	.43	.37	.46	.40	.35	.42	.37	.33	.30
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	.29	.24	.20	.18
10.0	.35	.27	.22	.34	.26	.21	.31	.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:0.3107A P:33.750W PF:0.9051 Freq:60.00Hz Lamp Flux:1989.25x1 lm		
NAME:ASD-LFC-LF-18D35-AC-BK_3500K	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	.182	.058	.296	.171	.055	.276	.160	.051	
2.0	.316	.173	.053	.304	.168	.052	.282	.157	.049	.262	.147	.046	.244	.138	.043	
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	.103	.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	.074	.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	.285	.285	.285	.194	.194	.194	.112	.112	.112	.036	.036	.036	
1.0	.327	.300	.275	.280	.257	.237	.192	.177	.164	.110	.102	.095	.035	.033	.031	
2.0	.320	.277	.240	.274	.238	.208	.188	.165	.145	.108	.096	.085	.035	.031	.028	
3.0	.313	.260	.218	.268	.224	.189	.184	.156	.133	.106	.091	.078	.034	.030	.026	
4.0	.305	.248	.203	.262	.214	.177	.180	.149	.124	.104	.087	.074	.034	.028	.024	
5.0	.298	.238	.193	.256	.206	.168	.176	.144	.119	.102	.084	.070	.033	.028	.023	
6.0	.291	.230	.186	.250	.199	.162	.172	.139	.115	.100	.082	.068	.032	.027	.022	
7.0	.284	.223	.181	.244	.193	.157	.169	.136	.112	.098	.080	.066	.032	.026	.022	
8.0	.277	.218	.177	.239	.189	.154	.165	.133	.109	.096	.078	.065	.031	.026	.022	
9.0	.271	.213	.173	.234	.185	.151	.162	.130	.107	.094	.077	.064	.031	.025	.021	
10.0	.266	.209	.171	.229	.181	.149	.159	.128	.106	.093	.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:0.3107A P:33.750W PF:0.9051 Freq:60.00Hz Lamp Flux:1989.25x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_3500K	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	15.6	17.0	16.1	17.5	18.1	15.7	17.0	16.2	17.5	18.1
3H	17.6	18.8	18.2	19.4	20.0	17.7	18.9	18.2	19.4	20.0
4H	18.6	19.7	19.1	20.3	20.9	18.6	19.8	19.2	20.4	21.0
6H	19.5	20.6	20.1	21.2	21.9	19.6	20.7	20.2	21.3	21.9
8H	20.0	21.1	20.6	21.7	22.3	20.1	21.1	20.7	21.7	22.4
12H	20.6	21.6	21.2	22.2	22.9	20.6	21.7	21.2	22.3	22.9
4H 2H	16.3	17.5	16.9	18.0	18.7	16.3	17.5	16.9	18.1	18.7
3H	18.5	19.5	19.1	20.1	20.8	18.5	19.5	19.1	20.1	20.8
4H	19.6	20.5	20.2	21.2	21.9	19.7	20.6	20.3	21.2	21.9
6H	20.7	21.6	21.4	22.2	23.0	20.8	21.6	21.5	22.3	23.0
8H	21.3	22.1	22.0	22.8	23.5	21.4	22.2	22.1	22.8	23.6
12H	22.0	22.7	22.7	23.4	24.2	22.0	22.8	22.7	23.4	24.2
8H 4H	20.0	20.8	20.7	21.5	22.2	20.1	20.8	20.7	21.5	22.3
6H	21.4	22.0	22.1	22.7	23.6	21.5	22.1	22.2	22.8	23.6
8H	22.2	22.7	22.9	23.4	24.3	22.2	22.8	22.9	23.5	24.3
12H	23.0	23.5	23.7	24.2	25.1	23.1	23.6	23.8	24.3	25.2
12H 4H	20.1	20.8	20.8	21.5	22.3	20.1	20.8	20.8	21.5	22.3
6H	21.6	22.1	22.3	22.9	23.7	21.6	22.2	22.3	22.9	23.7
8H	22.4	22.9	23.1	23.6	24.5	22.5	23.0	23.2	23.7	24.5
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, 1989 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.4)  
 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:0.3107A P:33.750W PF:0.9051 Freq:60.00Hz Lamp Flux:1989.25x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_3500K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

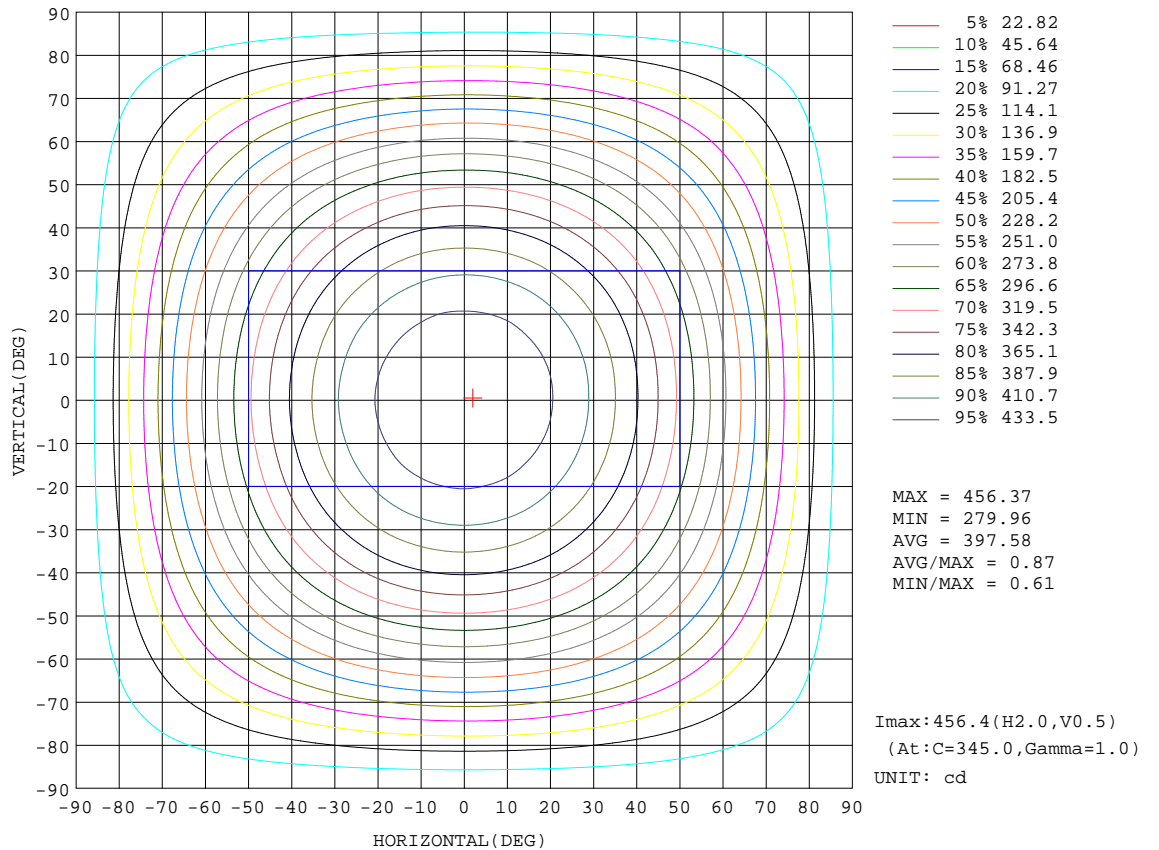
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	37	30	48	36	29	46	35	29	22
0.80	58	46	38	57	45	37	54	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	57	70	62	55	45
2.00	86	75	67	82	73	66	76	69	63	51
2.50	90	81	73	87	78	71	80	73	67	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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.3107A P:33.750W PF:0.9051 Freq:60.00Hz Lamp Flux:1989.25x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_3500K	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

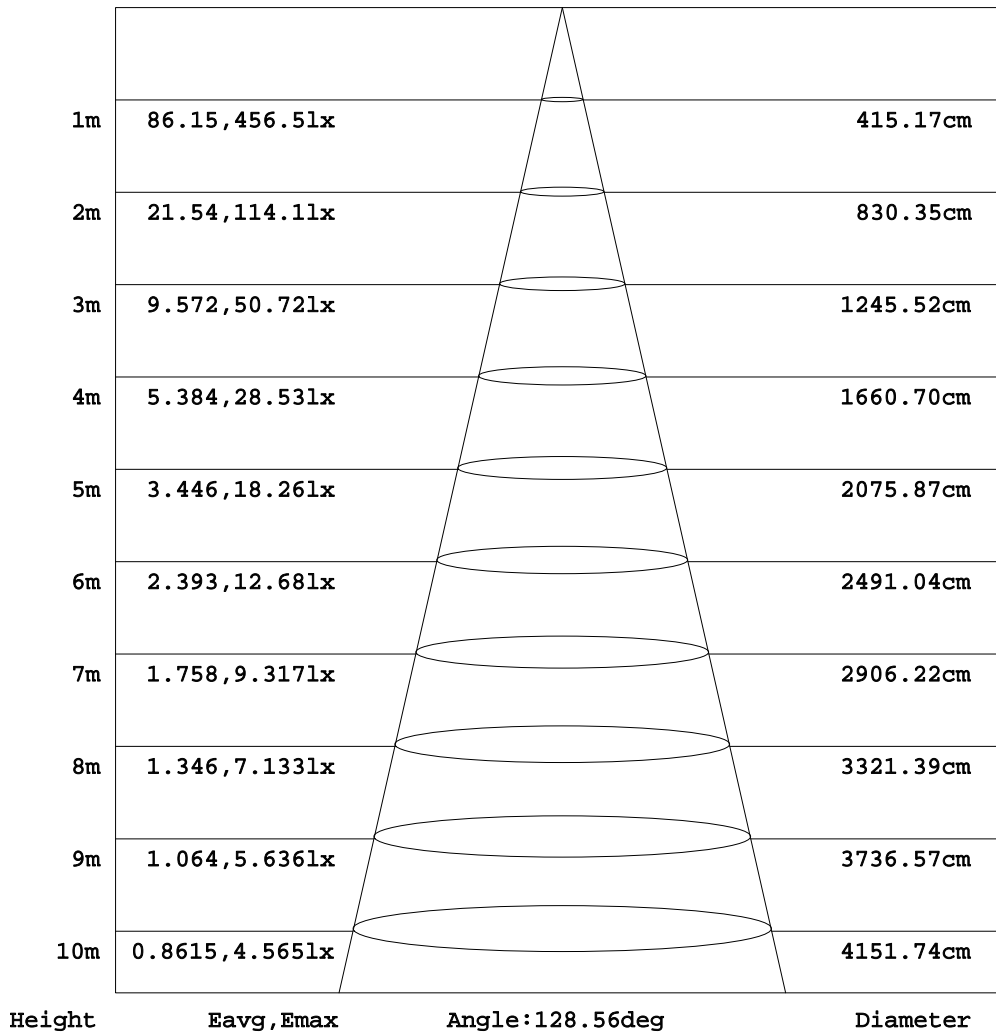
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 43.1%  
 Test Distance: 2.500m [K=1.0391]  
 Remarks:



AAI Figure

Test:U:120.00V I:0.3107A P:33.750W PF:0.9051 Freq:60.00Hz Lamp Flux:1989.25x1 lm		
NAME:ASD-LFC-LF-18D35-AC-BK_3500K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Flux out:1245 lm



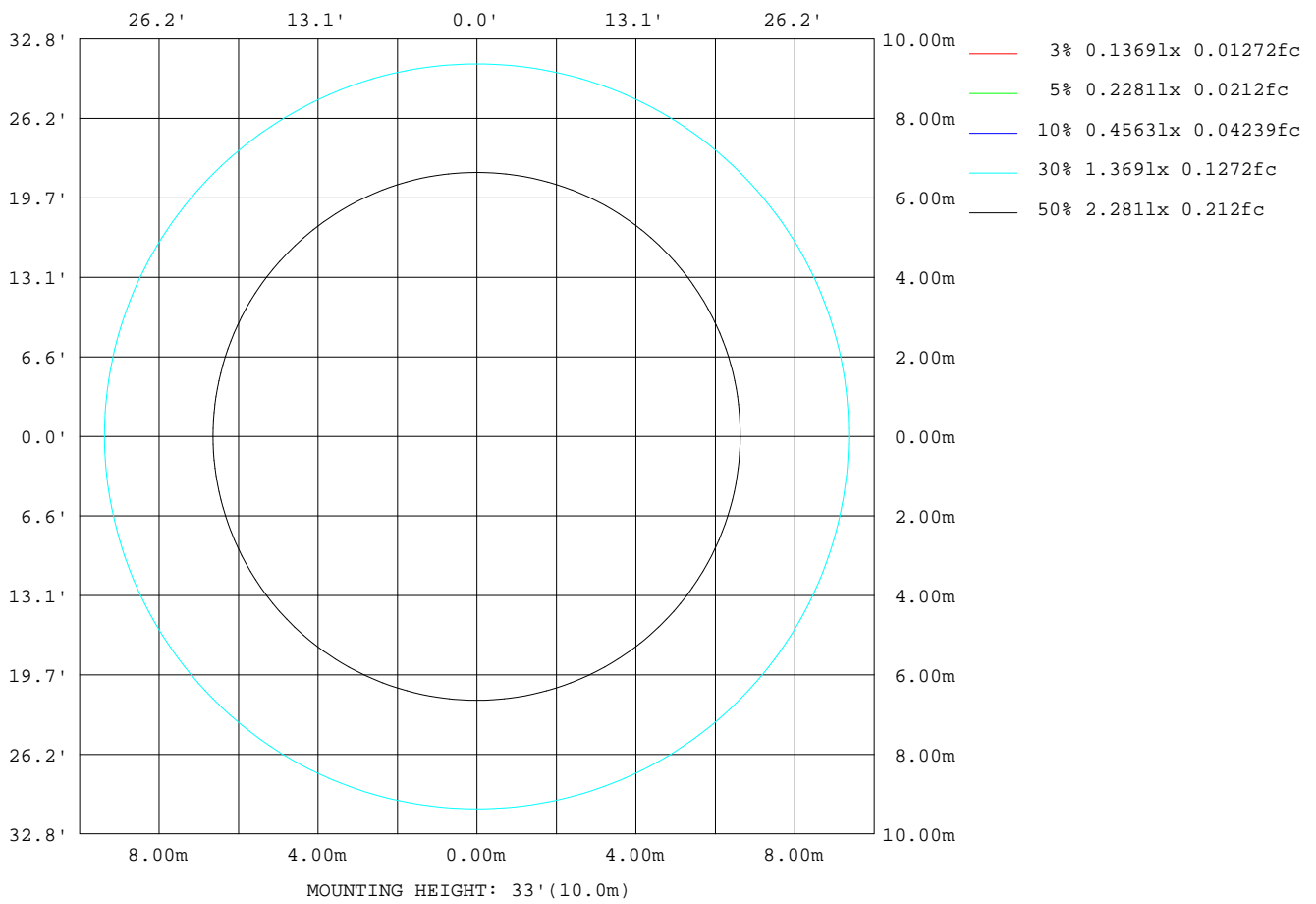
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 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:0.3107A P:33.750W PF:0.9051 Freq:60.00Hz Lamp Flux:1989.25x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_3500K	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:0.3107A P:33.750W PF:0.9051 Freq:60.00Hz Lamp Flux:1989.25x1 lm		
NAME:ASD-LFC-LF-18D35-AC-BK_3500K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

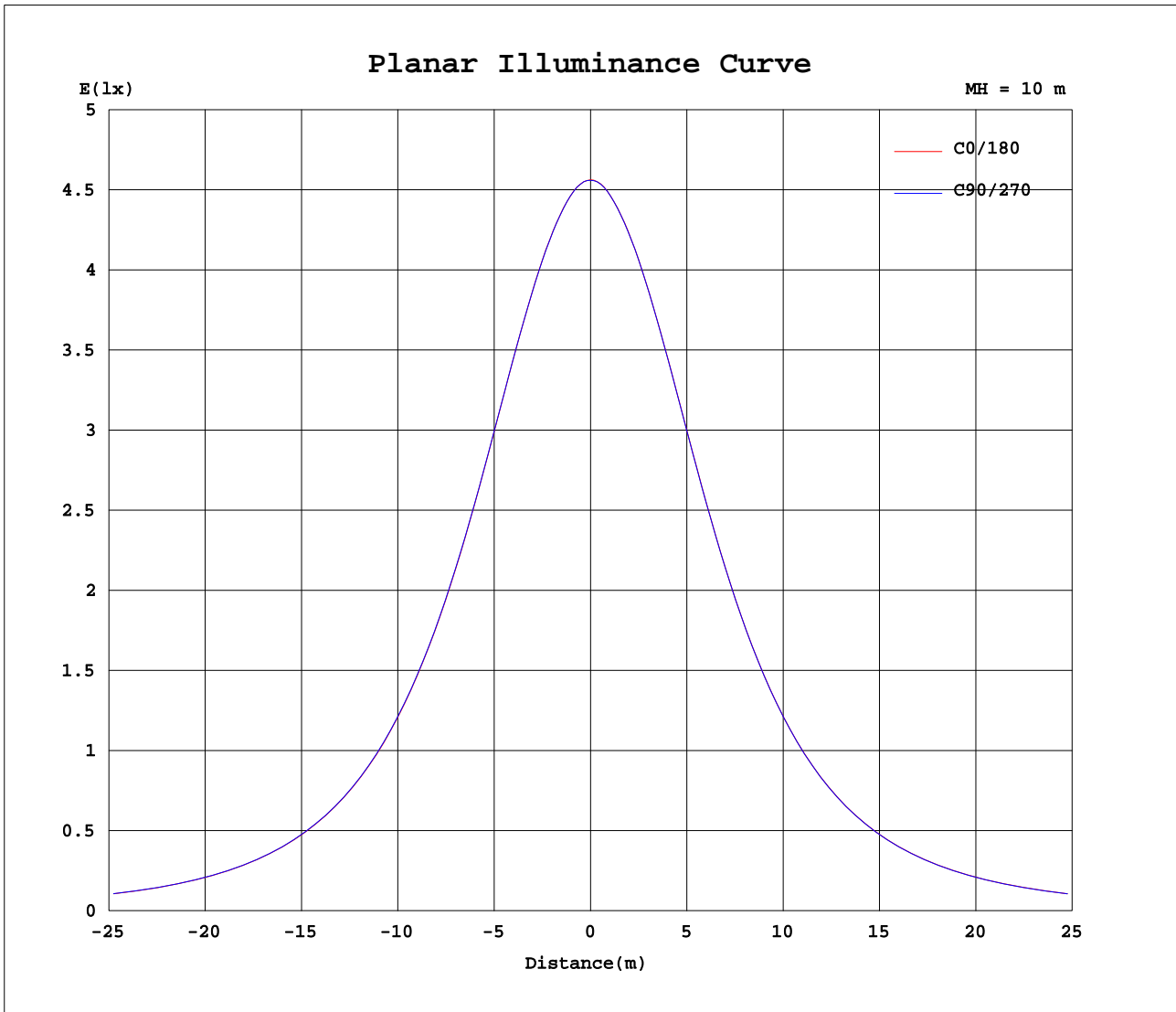
AvgL	cd/m2
L_0~180(65)av	3184
L_0~180(75)av	3598
L_0~180(85)av	6534
L_90~270(65)av	3185
L_90~270(75)av	3597
L_90~270(85)av	6496
L_45(65)av	3183
L_45(75)av	3602
L_45(85)av	6521

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:0.3107A P:33.750W PF:0.9051 Freq:60.00Hz Lamp Flux:1989.25x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_3500K	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	456	456	456	456	456	456	456	457	456	456	456	456	456	456	456	456	456	456	456
5	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454	454
10	450	450	449	449	449	449	449	449	450	450	450	449	450	450	450	449	450	450	449
15	443	443	443	443	443	443	443	443	443	444	443	444	444	444	444	443	443	444	444
20	435	434	434	434	434	434	435	435	435	435	435	435	435	435	435	435	435	435	435
25	422	422	422	422	423	423	423	423	423	423	423	423	423	423	423	423	423	423	423
30	407	407	407	407	407	407	407	407	408	408	407	407	408	408	408	407	407	407	408
35	388	388	388	388	389	389	389	389	389	389	389	389	389	389	389	388	389	389	389
40	366	366	366	366	367	367	367	367	367	367	367	367	368	368	367	367	367	367	367
45	342	342	342	342	343	343	343	343	343	343	342	342	343	343	343	343	342	343	343
50	315	315	315	315	316	316	316	316	316	316	316	315	316	316	316	316	316	316	316
55	286	286	286	286	287	287	287	287	287	287	286	286	287	287	287	287	286	287	287
60	255	255	255	256	256	256	256	256	256	256	256	256	256	257	256	256	256	256	256
65	223	222	223	223	224	224	224	223	224	223	223	223	224	224	224	223	222	222	224
70	188	188	189	189	190	190	190	189	189	189	189	189	189	189	188	188	188	188	188
75	154	154	155	155	156	156	156	155	155	155	155	155	155	155	154	154	154	153	154
80	122	121	122	122	123	123	123	123	123	122	122	122	122	122	122	122	121	120	121
85	94.1	94.0	94.1	94.6	94.9	94.9	95.0	94.9	94.7	94.7	94.6	94.5	95.1	95.0	94.3	93.8	93.3	92.9	93.1
90	71.9	71.7	72.1	72.5	72.8	72.9	72.9	72.8	72.8	73.0	73.1	73.2	74.0	74.1	73.6	73.2	72.7	72.3	72.5
95	66.8	66.5	66.5	66.8	67.0	67.2	67.3	67.4	67.5	67.7	67.8	68.0	68.5	68.6	68.4	68.3	68.2	68.2	68.3
100	65.7	65.3	65.2	65.4	65.6	65.8	65.9	66.0	66.2	66.4	66.5	66.8	67.1	67.3	67.1	67.1	67.1	67.1	67.3
105	64.7	64.4	64.4	64.5	64.7	64.9	65.0	65.1	65.2	65.4	65.5	65.7	66.0	66.2	66.2	66.2	66.2	66.2	66.3
110	63.6	63.3	63.3	63.4	63.6	63.8	63.9	64.0	64.1	64.2	64.4	64.6	64.8	64.9	65.0	65.0	65.0	65.1	65.1
115	62.4	62.1	62.0	62.1	62.2	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.4	63.5	63.6	63.7	63.6	63.7	63.8
120	60.9	60.7	60.6	60.7	60.8	61.0	61.1	61.2	61.3	61.3	61.5	61.5	61.8	61.9	62.0	62.2	62.0	62.1	62.2
125	59.2	59.1	59.1	59.1	59.2	59.4	59.5	59.5	59.5	59.5	59.7	59.7	60.0	60.1	60.2	60.4	60.2	60.3	60.3
130	57.5	57.2	57.3	57.3	57.4	57.5	57.6	57.6	57.6	57.6	57.7	57.7	58.0	58.2	58.3	58.3	58.3	58.3	58.4
135	55.6	55.4	55.4	55.5	55.5	55.6	55.6	55.5	55.6	55.6	55.6	55.7	55.9	56.0	56.1	56.2	56.2	56.3	56.2
140	53.9	53.9	53.8	53.9	53.8	53.8	53.7	53.6	53.7	53.7	53.7	53.8	54.0	54.1	54.0	54.2	54.3	54.3	54.3
145	52.3	52.3	52.1	52.1	52.1	51.9	51.8	51.8	52.0	52.1	52.0	52.0	52.3	52.1	52.2	52.3	52.4	52.4	52.6
150	49.9	50.0	50.3	49.9	49.6	50.0	50.2	50.1	49.9	49.8	50.0	49.8	49.5	50.0	50.0	50.1	50.0	49.9	50.3
155	47.6	48.1	48.4	48.4	47.9	46.7	48.4	47.9	47.3	48.1	48.0	47.8	47.2	46.2	47.8	47.8	46.8	47.9	48.1
160	45.6	46.2	46.2	46.3	46.3	45.1	40.3	42.1	45.7	46.3	46.3	46.0	45.4	45.3	40.5	41.6	45.6	45.9	46.1
165	41.5	42.5	42.8	42.8	41.9	40.8	40.2	40.1	41.2	42.4	42.7	42.4	41.1	40.9	39.2	39.5	40.7	41.7	42.8
170	36.0	36.1	36.3	36.2	36.5	36.6	35.0	35.9	36.6	36.7	36.8	35.6	36.3	36.5	36.2	35.4	36.7	36.5	36.8
175	29.3	30.0	30.1	28.9	28.6	28.2	28.0	27.9	29.1	30.0	29.4	28.1	29.1	29.1	28.2	27.7	27.7	28.8	29.4
180	39.8	41.3	40.9	37.4	38.6	38.7	38.9	40.3	39.5	41.1	40.3	38.2	35.8	35.9	35.9	34.7	34.5	35.2	34.3

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:0.3107A P:33.750W PF:0.9051 Freq:60.00Hz Lamp Flux:1989.25x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_3500K	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	457	456	456	456	456														
5	454	454	454	454	455														
10	450	450	450	450	450														
15	444	444	443	444	444														
20	435	435	435	435	435														
25	423	423	423	423	423														
30	408	408	408	408	408														
35	389	389	389	389	389														
40	368	368	368	368	367														
45	343	343	343	344	343														
50	316	316	317	317	316														
55	287	287	288	288	288														
60	256	257	257	257	257														
65	224	224	225	225	224														
70	189	189	189	190	189														
75	154	154	155	155	155														
80	121	121	122	123	123														
85	93.5	94.0	94.5	95.2	95.2														
90	72.8	72.9	72.8	72.9	72.7														
95	68.5	68.4	68.0	67.9	67.5														
100	67.4	67.3	66.9	66.7	66.3														
105	66.5	66.4	66.0	65.6	65.3														
110	65.3	65.2	64.8	64.5	64.1														
115	63.9	63.9	63.4	63.1	62.8														
120	62.3	62.3	61.8	61.5	61.3														
125	60.5	60.5	60.1	59.8	59.7														
130	58.4	58.5	58.2	58.0	57.9														
135	56.3	56.4	56.1	56.0	55.9														
140	54.4	54.5	54.3	54.1	54.1														
145	52.5	52.7	52.5	52.2	52.3														
150	50.2	50.1	50.4	50.3	50.3														
155	48.3	47.5	46.7	48.2	48.0														
160	46.3	46.2	45.9	41.4	41.3														
165	43.0	43.0	41.9	40.4	39.3														
170	37.7	37.2	37.5	36.8	35.3														
175	30.9	31.0	30.5	29.0	28.9														
180	34.7	35.7	35.7	35.7	34.6														

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: