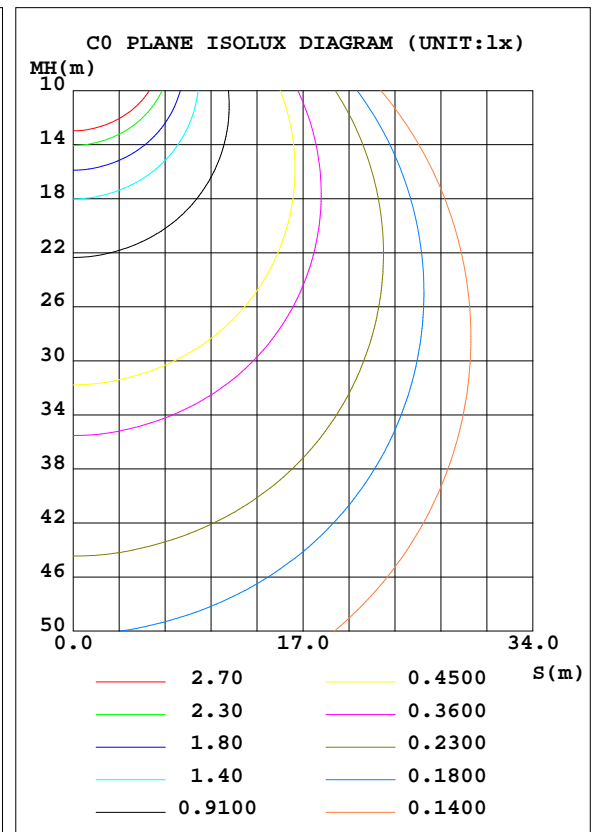
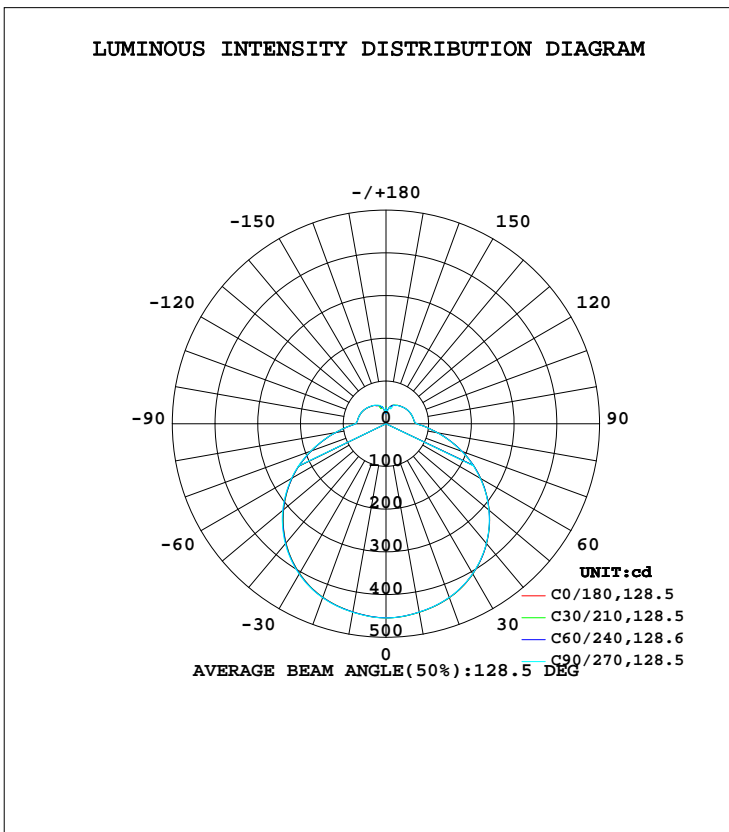


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.3074A P:33.240W PF:0.9011 Freq:60.00Hz Lamp Flux:1981.42x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 59.61 lm/W			
MODEL	ASD-LFC-LF-18D35-AC-BK	I <sub>max</sub> (cd)	454.8	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)	1981.4	η UP, DN(C0-180)	9.3,40.6
NOMINAL FLUX(lm)	1981.42	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	9.4,40.6
LAMPS INSIDE	1	η up(%)	18.8	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	81.2	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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	448.1	447.9	447.5	447.5	447.5	447.9	448.1	448.4	0- 10	43.04	43.04	2.17,2.17
20	433.4	433.0	432.7	432.5	432.4	432.8	433.6	434.2	10- 20	124.9	167.9	8.47,8.47
30	406.3	405.6	405.3	405.1	404.6	405.2	406.5	407.6	20- 30	194.3	362.2	18.3,18.3
40	366.4	365.5	365.3	364.5	364.3	364.8	366.6	367.7	30- 40	242.4	604.6	30.5,30.5
50	315.3	314.8	314.3	313.0	312.8	313.5	315.7	317.1	40- 50	263.4	868.0	43.8,43.8
60	256.0	255.4	254.6	253.0	253.5	253.7	255.5	257.7	50- 60	255.5	1123	56.7,56.7
70	189.4	189.7	188.5	186.6	186.2	186.1	187.7	190.1	60- 70	219.9	1343	67.8,67.8
80	123.0	123.0	122.3	120.3	120.0	119.8	120.6	123.2	70- 80	163.1	1507	76,76
90	72.49	72.63	72.59	72.15	72.90	72.27	72.21	73.14	80- 90	103.1	1610	81.2,81.2
100	65.55	65.26	65.73	66.08	66.82	66.72	66.79	66.70	90-100	74.13	1684	85,85
110	63.51	63.32	63.66	63.99	64.43	64.63	64.66	64.67	100-110	69.03	1753	88.5,88.5
120	60.84	60.64	61.00	61.11	61.41	61.70	61.77	61.91	110-120	62.34	1815	91.6,91.6
130	57.44	57.23	57.48	57.44	57.62	58.11	58.18	58.31	120-130	53.49	1869	94.3,94.3
140	53.83	53.82	53.58	53.50	53.76	54.00	54.22	54.28	130-140	43.22	1912	96.5,96.5
150	49.98	49.83	50.03	49.58	49.29	49.95	50.25	50.33	140-150	32.73	1945	98.1,98.1
160	45.68	46.31	40.13	46.02	45.24	41.25	46.03	45.81	150-160	22.06	1967	99.3,99.3
170	35.98	36.17	34.78	36.57	36.14	35.23	36.76	37.54	160-170	11.77	1978	99.8,99.8
180	39.66	37.29	38.77	41.16	35.76	34.62	34.28	35.70	170-180	3.042	1981	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 735.47 lm

%lum = 37.1%

%lamp = 37.1%

Conical surface Flux(120deg): 1123.5 lm

%lum = 56.7%

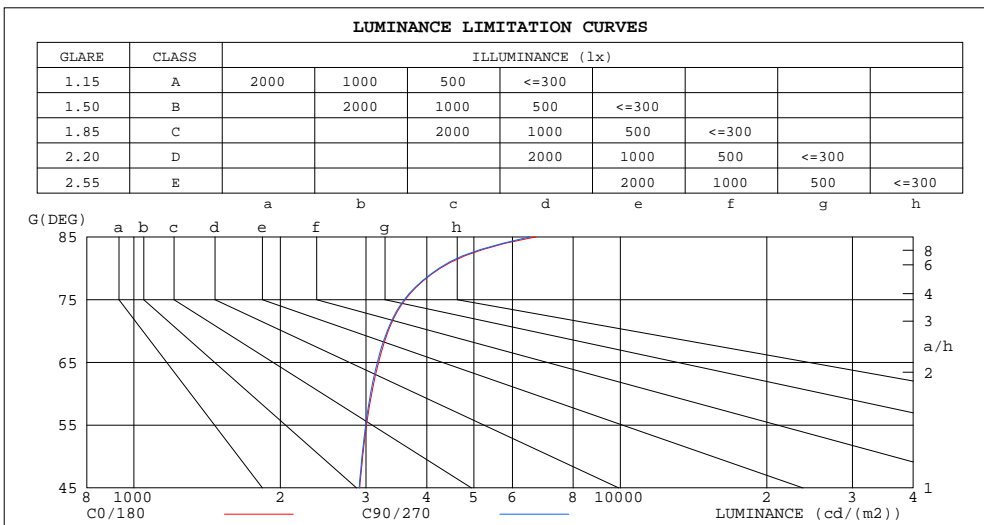
%lamp = 56.7%

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

$\gamma$  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:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.3074A P:33.240W PF:0.9011 Freq:60.00Hz Lamp Flux:1981.42x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	6712	6523
80	4265	4242
75	3613	3598
70	3335	3318
65	3185	3165
60	3082	3065
55	3008	2995
50	2953	2944
45	2912	2905

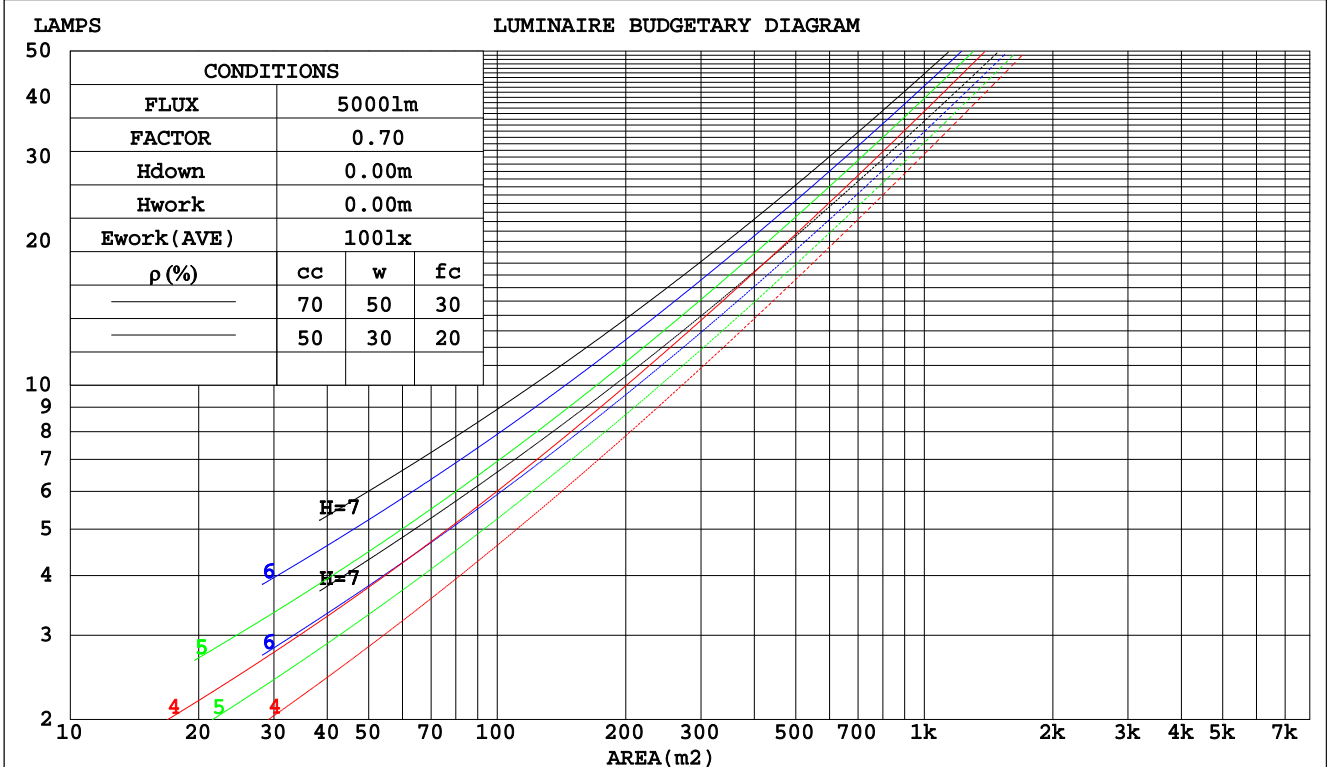
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 01 June 2023

$\gamma$  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:0.3074A P:33.240W PF:0.9011 Freq:60.00Hz Lamp Flux:1981.42x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_4000K	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	.20
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:0.3074A P:33.240W PF:0.9011 Freq:60.00Hz Lamp Flux:1981.42x1 lm		
NAME:ASD-LFC-LF-18D35-AC-BK_4000K	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	.275	.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	.227	.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	.167	.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	.195	.195	.195	.112	.112	.112	.036	.036	.036	
1.0	.328	.300	.275	.280	.257	.237	.192	.177	.164	.110	.102	.095	.035	.033	.031	
2.0	.321	.277	.240	.275	.238	.208	.188	.165	.145	.108	.096	.085	.035	.031	.028	
3.0	.313	.260	.218	.268	.225	.189	.184	.156	.133	.106	.091	.078	.034	.030	.026	
4.0	.306	.248	.204	.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	.173	.139	.115	.100	.082	.068	.032	.027	.023	
7.0	.284	.223	.181	.244	.194	.158	.169	.136	.112	.098	.080	.066	.032	.026	.022	
8.0	.278	.218	.177	.239	.189	.154	.165	.133	.109	.096	.078	.065	.031	.026	.022	
9.0	.271	.213	.174	.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:0.3074A P:33.240W PF:0.9011 Freq:60.00Hz Lamp Flux:1981.42x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_4000K	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	15.7	17.0	16.2	17.5	18.1	15.6	17.0	16.2	17.5	18.1
3H	17.7	18.9	18.2	19.4	20.0	17.6	18.9	18.2	19.4	20.0
4H	18.6	19.8	19.2	20.4	21.0	18.6	19.8	19.2	20.3	21.0
6H	19.6	20.7	20.2	21.3	21.9	19.6	20.7	20.2	21.3	21.9
8H	20.1	21.1	20.7	21.7	22.4	20.1	21.1	20.7	21.7	22.4
12H	20.7	21.7	21.3	22.3	23.0	20.6	21.6	21.2	22.2	22.9
4H 2H	16.3	17.5	16.9	18.1	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	19.7	20.6	20.3	21.2	21.9	19.7	20.6	20.3	21.2	21.9
6H	20.8	21.6	21.5	22.3	23.0	20.8	21.6	21.4	22.3	23.0
8H	21.4	22.2	22.1	22.8	23.6	21.4	22.1	22.0	22.8	23.6
12H	22.1	22.8	22.7	23.5	24.2	22.0	22.7	22.7	23.4	24.2
8H 4H	20.1	20.8	20.7	21.5	22.3	20.1	20.8	20.7	21.5	22.3
6H	21.5	22.1	22.2	22.8	23.6	21.5	22.1	22.2	22.8	23.6
8H	22.2	22.8	22.9	23.5	24.3	22.2	22.8	22.9	23.5	24.3
12H	23.1	23.6	23.8	24.3	25.2	23.1	23.6	23.8	24.3	25.2
12H 4H	20.1	20.9	20.8	21.5	22.3	20.1	20.8	20.8	21.5	22.3
6H	21.6	22.2	22.3	22.9	23.7	21.6	22.2	22.3	22.9	23.7
8H	22.5	23.0	23.2	23.7	24.6	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, 1981 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.4)  
 Area: 0.166106 m2

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 15.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.416
Temperature: 25.0DEG	Humidity: 43.1%
Operators:Alan Wang	Test Distance:2.500m [K=1.0391]
Test Date:01 June 2023	Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.3074A P:33.240W PF:0.9011 Freq:60.00Hz Lamp Flux:1981.42x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

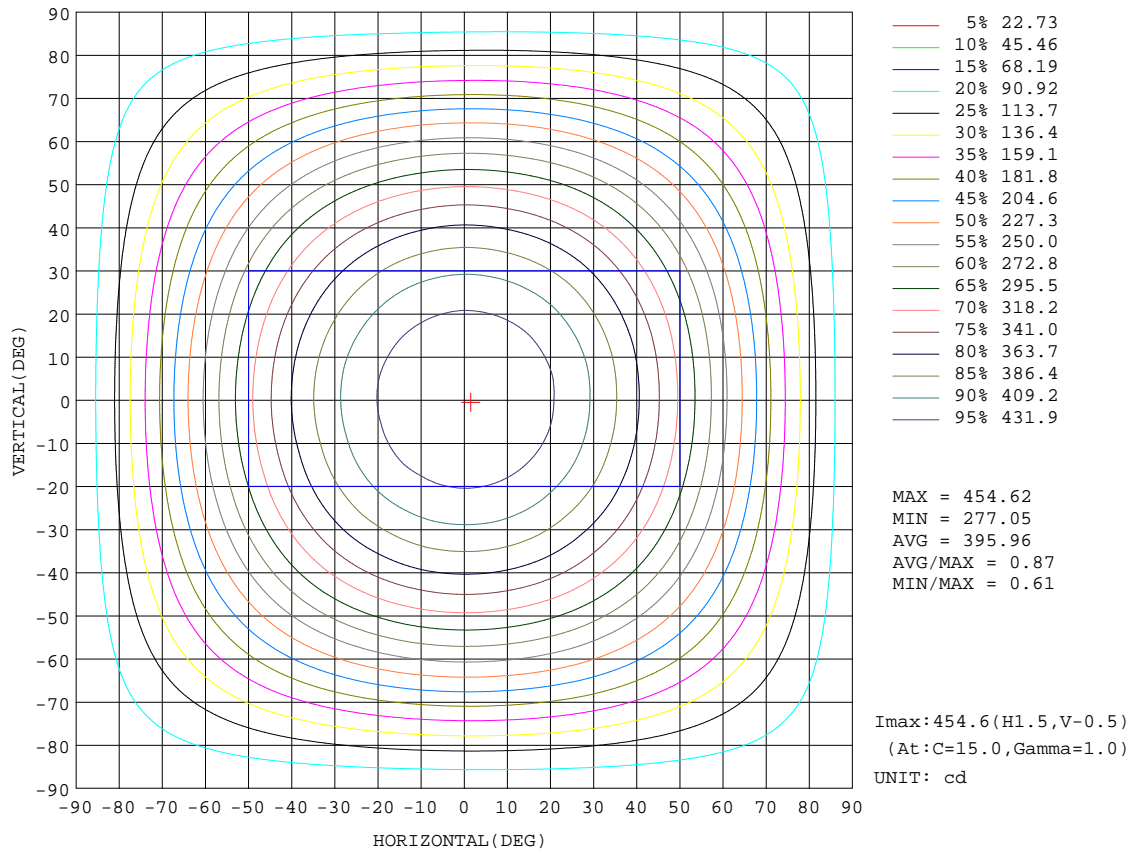
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	37	30	48	36	29	46	35	29	22
0.80	58	46	38	57	45	37	54	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	80	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:0.3074A P:33.240W PF:0.9011 Freq:60.00Hz Lamp Flux:1981.42x1 lm		
NAME:ASD-LFC-LF-18D35-AC-BK_4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



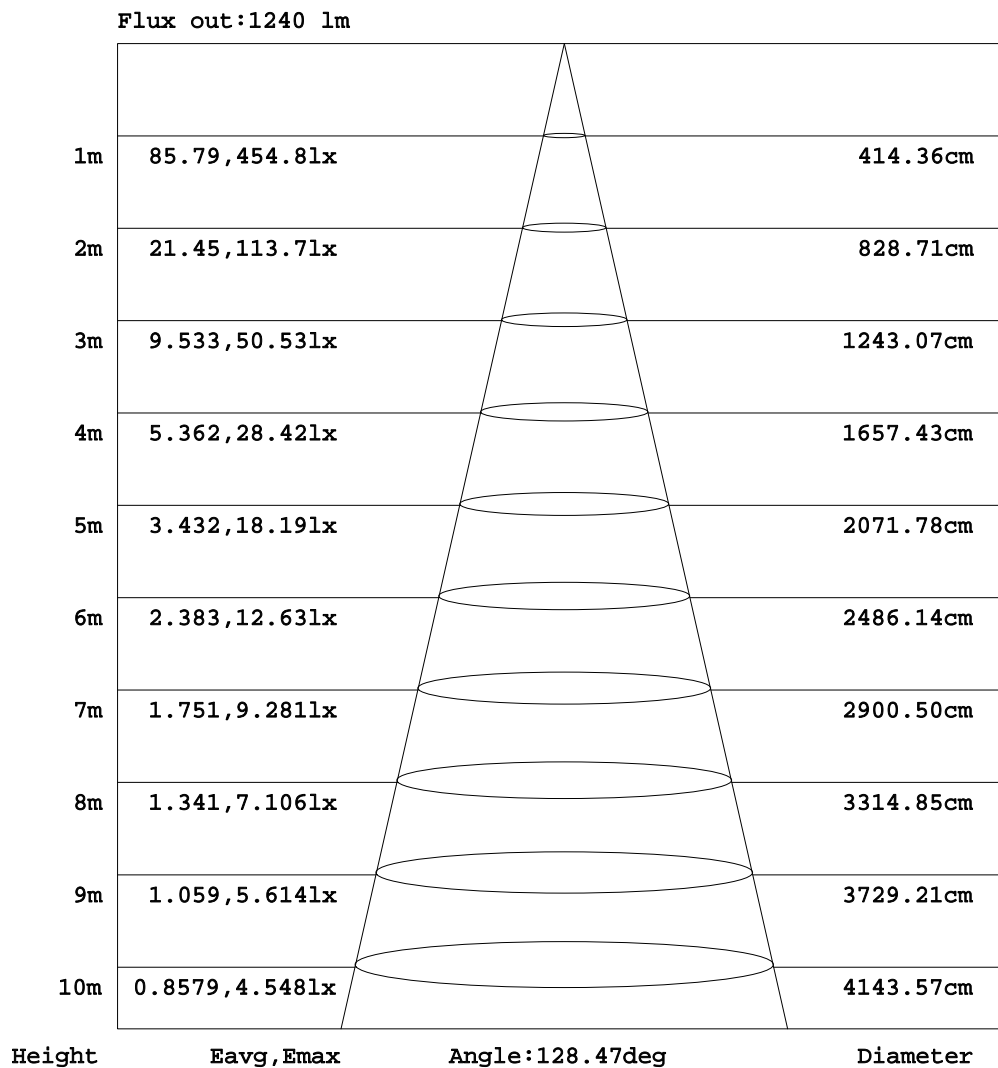
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 01 June 2023

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:0.3074A P:33.240W PF:0.9011 Freq:60.00Hz Lamp Flux:1981.42x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



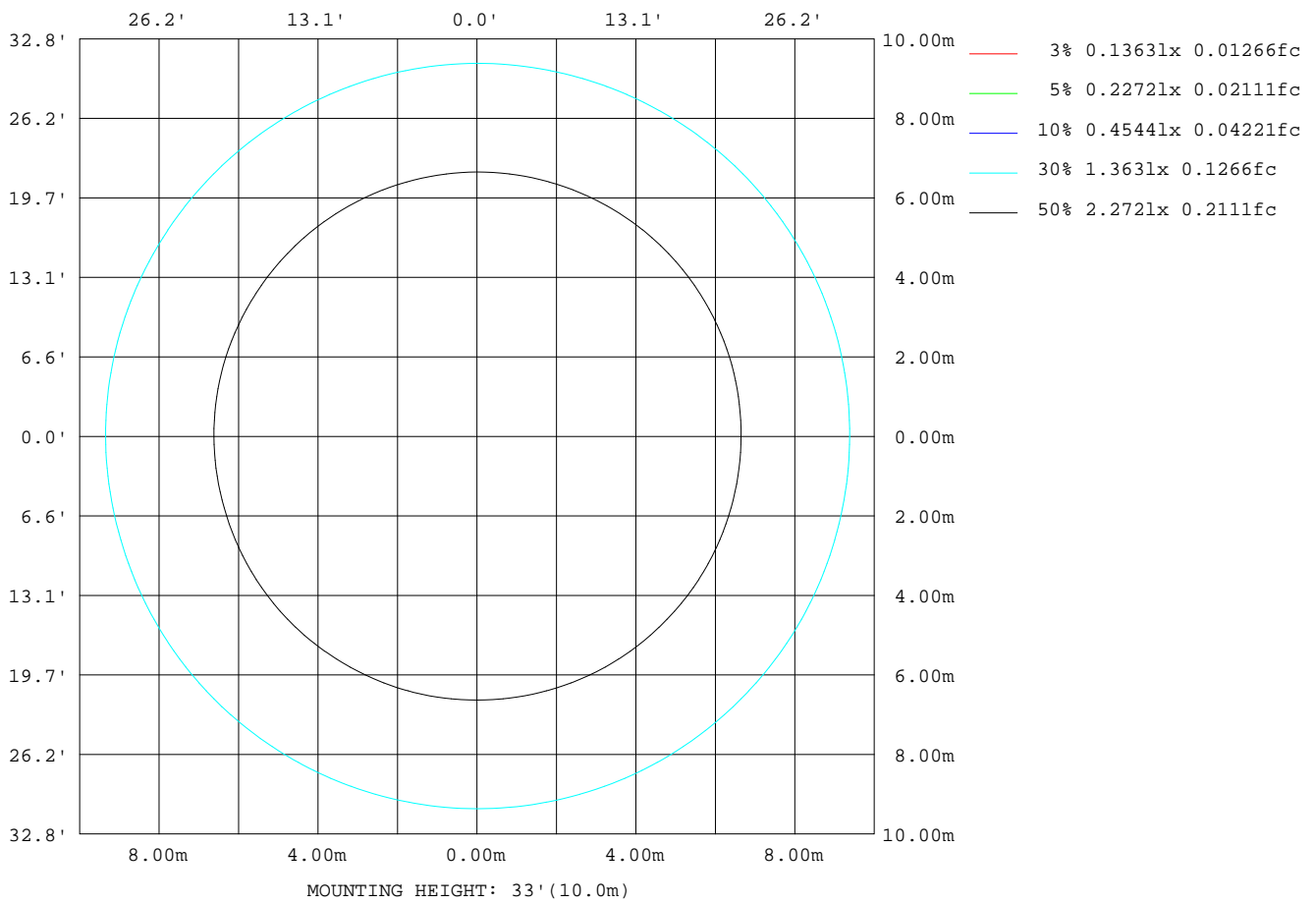
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.3074A P:33.240W PF:0.9011 Freq:60.00Hz Lamp Flux:1981.42x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_4000K	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:0.3074A P:33.240W PF:0.9011 Freq:60.00Hz Lamp Flux:1981.42x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

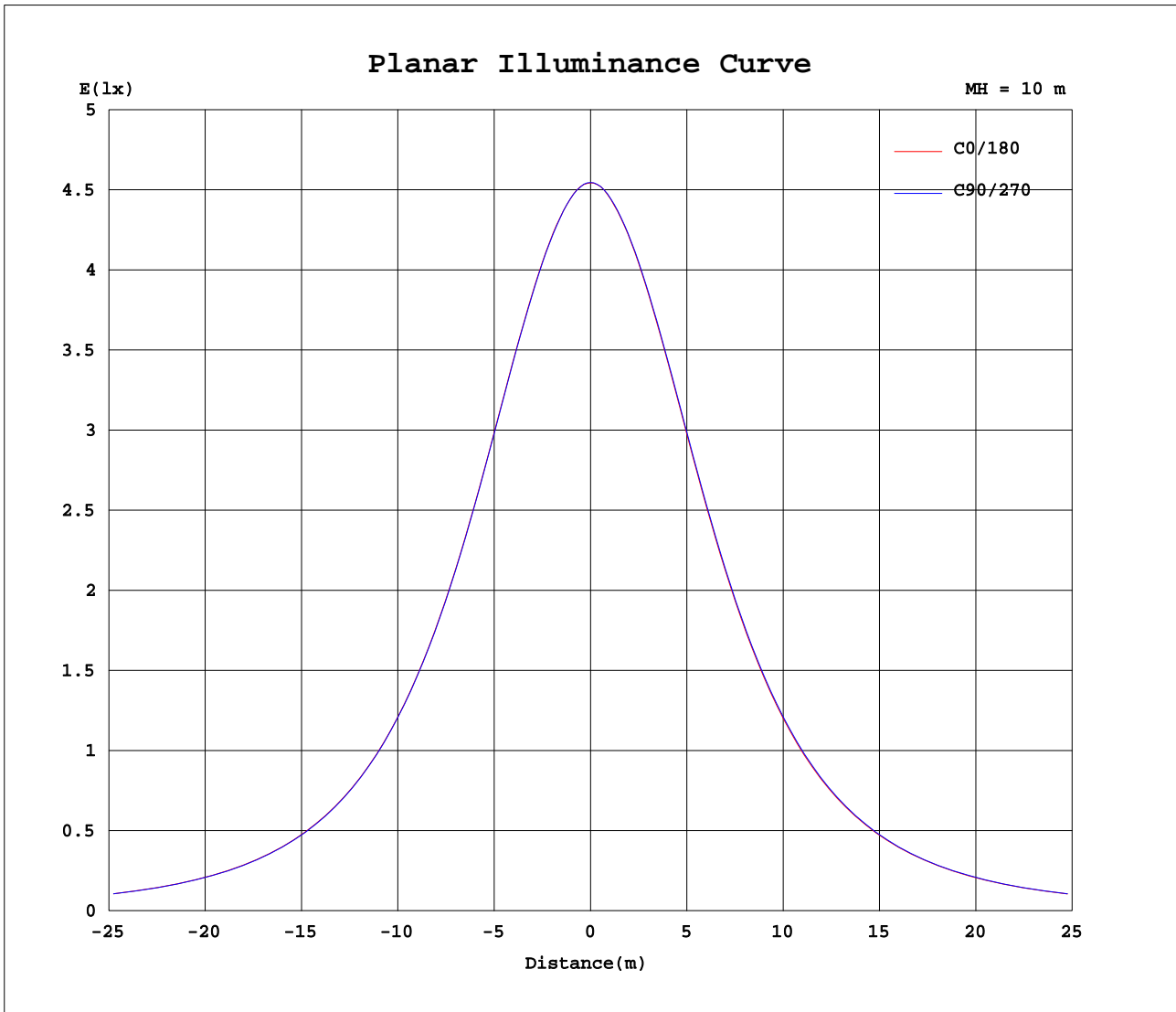
AvgL	cd/m2
L_0~180(65)av	3164
L_0~180(75)av	3580
L_0~180(85)av	6574
L_90~270(65)av	3167
L_90~270(75)av	3581
L_90~270(85)av	6474
L_45(65)av	3169
L_45(75)av	3585
L_45(85)av	6491

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:0.3074A P:33.240W PF:0.9011 Freq:60.00Hz Lamp Flux:1981.42x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_4000K	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	454	455	454	455	454	454	455	454	454	455	454	454	454	455	454	455	454	454	455
5	453	453	453	453	453	452	453	452	452	452	452	452	452	453	452	453	452	452	453
10	448	449	448	448	448	448	448	448	447	447	447	447	448	448	447	448	447	448	448
15	442	442	442	442	441	441	441	441	441	441	441	441	441	441	441	442	441	442	442
20	433	434	433	433	433	433	433	433	432	433	432	432	432	433	433	433	433	433	434
25	422	422	422	421	421	421	421	421	420	421	420	420	420	421	420	421	421	421	422
30	406	406	406	406	406	406	405	405	405	405	405	404	405	405	405	405	406	406	407
35	388	387	388	387	387	387	387	387	386	386	386	385	386	386	386	386	387	387	388
40	366	366	366	366	366	366	365	365	364	364	364	363	364	364	365	365	365	366	367
45	342	342	342	341	342	341	341	340	340	340	339	339	340	340	340	340	341	342	342
50	315	315	315	315	315	314	314	314	313	313	312	312	313	313	313	314	314	315	316
55	287	286	286	286	286	286	285	285	284	284	283	283	284	284	284	284	285	286	287
60	256	256	256	255	255	255	255	254	253	253	252	252	254	253	254	254	254	255	255
65	224	223	223	223	223	223	222	222	221	220	220	220	221	221	221	221	221	222	222
70	189	189	190	190	190	189	189	188	187	187	186	186	186	186	186	186	186	187	188
75	155	155	156	156	156	155	155	154	153	153	152	152	152	152	152	152	152	153	153
80	123	123	123	123	123	123	122	122	121	120	120	120	120	120	120	120	120	120	121
85	97.2	95.2	95.1	95.1	95.1	94.8	94.4	93.8	93.3	93.0	92.7	92.6	93.2	93.3	93.0	92.4	92.4	92.3	93.0
90	72.5	72.4	72.4	72.6	72.8	72.7	72.6	72.3	72.1	72.2	72.1	72.2	72.9	73.1	72.9	72.3	72.1	71.8	72.2
95	66.9	66.5	66.5	66.7	67.0	67.0	67.1	67.1	67.2	67.3	67.4	67.6	68.0	68.2	68.0	67.8	67.8	67.7	67.9
100	65.5	65.2	65.1	65.3	65.5	65.6	65.7	65.8	65.9	66.1	66.2	66.4	66.8	67.1	67.0	66.7	66.7	66.7	66.8
105	64.6	64.3	64.2	64.4	64.6	64.7	64.9	64.9	65.0	65.2	65.2	65.4	65.7	66.0	65.9	65.8	65.8	65.8	65.8
110	63.5	63.2	63.2	63.3	63.5	63.6	63.7	63.9	63.9	64.0	64.1	64.2	64.4	64.7	64.6	64.6	64.6	64.7	64.7
115	62.3	62.0	61.9	62.1	62.2	62.4	62.4	62.6	62.5	62.7	62.8	62.8	63.1	63.2	63.2	63.2	63.3	63.3	63.3
120	60.8	60.6	60.5	60.6	60.8	60.9	61.0	61.0	61.0	61.1	61.2	61.2	61.4	61.6	61.7	61.7	61.8	61.8	61.8
125	59.2	59.0	58.9	59.0	59.1	59.3	59.3	59.3	59.3	59.4	59.4	59.5	59.6	59.9	59.9	60.0	60.0	60.0	60.0
130	57.4	57.2	57.2	57.2	57.4	57.4	57.5	57.4	57.4	57.4	57.6	57.4	57.6	57.9	58.0	58.1	58.1	58.2	58.2
135	55.6	55.4	55.3	55.4	55.4	55.5	55.5	55.4	55.4	55.4	55.4	55.4	55.6	55.8	55.9	56.0	56.0	56.1	56.1
140	53.8	53.8	53.8	53.8	53.7	53.6	53.6	53.5	53.5	53.5	53.5	53.5	53.8	53.9	53.8	54.0	54.1	54.2	54.2
145	52.3	52.3	52.1	52.1	52.0	51.7	51.6	51.7	51.8	51.9	51.8	51.8	52.1	51.8	52.0	52.1	52.2	52.3	52.5
150	50.0	49.9	50.3	49.8	49.4	49.9	50.0	50.0	49.7	49.6	49.8	49.6	49.3	49.8	49.9	49.9	49.7	49.8	50.2
155	47.5	48.1	48.4	48.4	47.8	46.6	48.3	47.7	47.2	47.9	47.8	47.5	47.0	45.9	47.6	47.6	46.8	47.9	48.0
160	45.7	46.3	46.3	46.3	46.2	45.1	40.1	41.7	45.6	46.0	46.0	45.8	45.2	45.1	40.0	41.3	45.5	45.9	46.0
165	41.6	42.6	42.9	42.8	41.8	40.7	40.0	40.0	41.0	42.1	42.3	42.1	40.8	40.7	39.1	39.6	40.6	41.7	42.7
170	36.0	36.2	36.3	36.2	36.3	36.5	34.8	35.7	36.4	36.6	36.6	35.4	36.1	36.3	36.0	35.2	36.5	36.4	36.8
175	29.3	30.0	30.1	28.9	28.6	28.1	27.9	27.8	28.9	29.9	29.2	28.0	28.9	29.0	28.1	27.6	27.6	28.9	29.4
180	39.7	41.1	40.7	37.3	38.4	38.5	38.8	40.0	39.4	41.2	40.3	38.3	35.8	35.8	35.8	34.6	34.4	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:0.3074A P:33.240W PF:0.9011 Freq:60.00Hz Lamp Flux:1981.42x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_4000K	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	454	454	455	454	454														
5	453	452	453	453	453														
10	448	448	448	448	449														
15	442	442	442	443	443														
20	434	434	434	434	434														
25	422	422	423	423	423														
30	407	407	408	407	407														
35	388	389	389	389	389														
40	367	367	368	368	368														
45	343	343	344	344	343														
50	316	317	317	317	317														
55	287	288	288	288	288														
60	256	257	258	258	258														
65	224	225	225	226	225														
70	189	190	190	191	190														
75	155	156	156	156	156														
80	122	122	123	124	124														
85	93.9	94.7	95.4	96.2	96.5														
90	72.7	73.1	73.1	73.3	73.4														
95	68.1	68.2	67.9	67.7	67.5														
100	66.9	67.1	66.7	66.4	66.1														
105	66.0	66.2	65.7	65.5	65.2														
110	64.9	64.9	64.7	64.3	64.1														
115	63.5	63.6	63.4	63.1	62.8														
120	61.9	62.0	61.9	61.6	61.3														
125	60.2	60.3	60.2	60.0	59.6														
130	58.3	58.3	58.3	58.2	57.8														
135	56.2	56.3	56.2	56.2	55.9														
140	54.3	54.4	54.3	54.3	54.1														
145	52.5	52.6	52.4	52.3	52.3														
150	50.1	50.1	50.3	50.4	50.3														
155	48.3	47.6	46.7	48.2	48.1														
160	46.2	46.2	45.8	41.7	41.6														
165	43.0	43.0	41.9	40.4	39.2														
170	37.6	37.2	37.5	36.9	35.4														
175	30.9	31.1	30.5	29.0	29.0														
180	34.5	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: