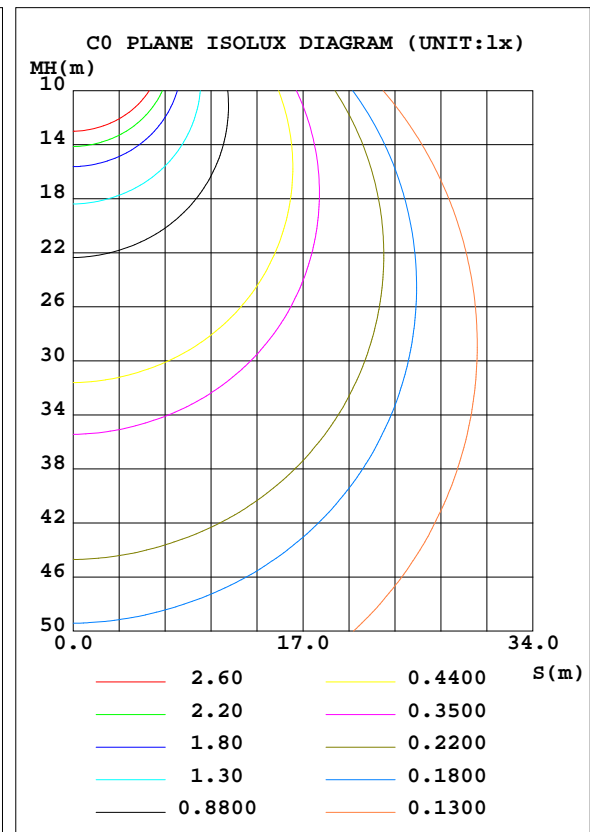
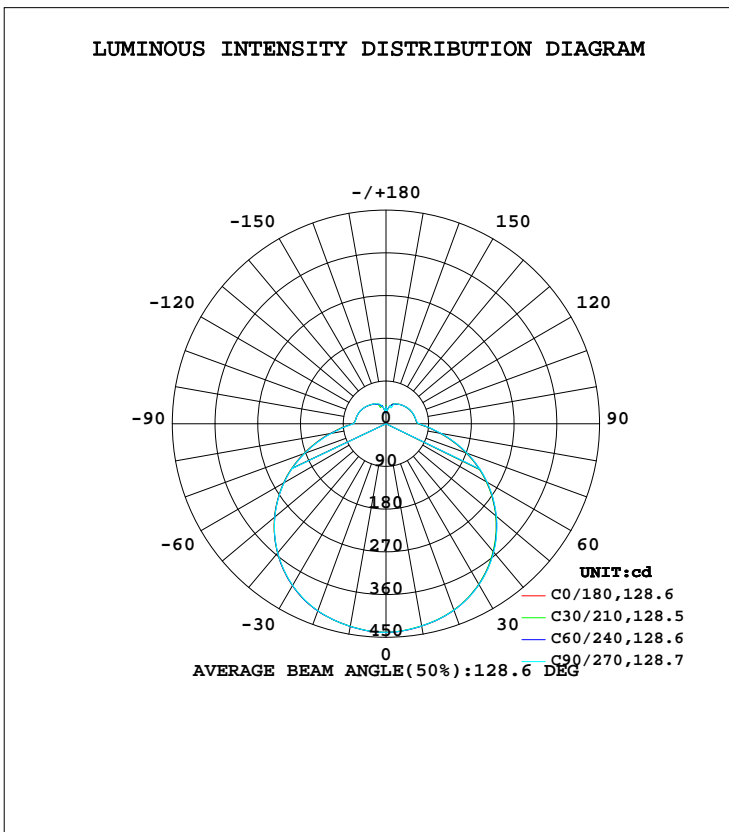


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.3167A P:34.670W PF:0.9123 Freq:60.00Hz Lamp Flux:1915.55x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 55.25 lm/W			
MODEL	ASD-LFC-LF-18D35-AC-BK	I _{max} (cd)	439.7	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)	1915.6	η UP, DN(C0-180)	9.3,40.6
NOMINAL FLUX(lm)	1915.55	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	9.4,40.7
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	432.7	432.4	432.8	433.1	433.5	433.3	433.3	433.2	0- 10	41.62	41.62	2.17,2.17
20	417.9	417.8	418.1	418.9	419.5	419.3	419.5	418.7	10- 20	120.7	162.4	8.48,8.48
30	391.0	390.8	391.7	392.9	394.1	393.5	393.3	392.4	20- 30	187.9	350.3	18.3,18.3
40	351.6	351.7	353.1	354.4	355.4	355.0	354.7	353.4	30- 40	234.5	584.7	30.5,30.5
50	302.2	302.3	303.9	305.0	306.6	306.2	305.6	304.2	40- 50	254.9	839.6	43.8,43.8
60	244.3	244.7	246.2	247.4	249.0	248.2	247.8	246.9	50- 60	247.3	1087	56.7,56.7
70	179.7	180.7	182.2	183.5	184.2	183.1	182.1	181.5	60- 70	212.9	1300	67.9,67.9
80	115.8	116.3	118.1	118.9	119.6	118.6	116.7	117.0	70- 80	157.9	1458	76.1,76.1
90	68.68	69.23	70.20	70.65	71.69	70.72	69.62	69.55	80- 90	99.60	1557	81.3,81.3
100	63.12	62.89	63.46	63.94	64.58	64.29	64.30	64.19	90-100	71.51	1629	85,85
110	61.11	60.93	61.48	61.82	62.39	62.31	62.47	62.17	100-110	66.58	1695	88.5,88.5
120	58.46	58.30	58.81	59.07	59.43	59.51	59.68	59.35	110-120	60.10	1755	91.6,91.6
130	55.20	54.98	55.37	55.46	55.76	55.91	56.06	55.77	120-130	51.52	1807	94.3,94.3
140	51.72	51.68	51.58	51.60	51.92	51.97	52.19	51.98	130-140	41.60	1849	96.5,96.5
150	47.85	47.77	48.18	47.88	47.65	48.18	48.36	48.19	140-150	31.49	1880	98.1,98.1
160	43.75	44.36	38.59	44.40	43.65	40.08	44.28	43.97	150-160	21.22	1901	99.3,99.3
170	34.37	34.72	33.59	35.37	34.92	34.03	35.36	35.85	160-170	11.33	1913	99.8,99.8
180	38.11	36.22	37.38	39.94	34.36	33.36	33.07	34.30	170-180	2.928	1916	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 711.38 lm

%lum = 37.1%

%lamp = 37.1%

Conical surface Flux(120deg): 1086.9 lm

%lum = 56.7%

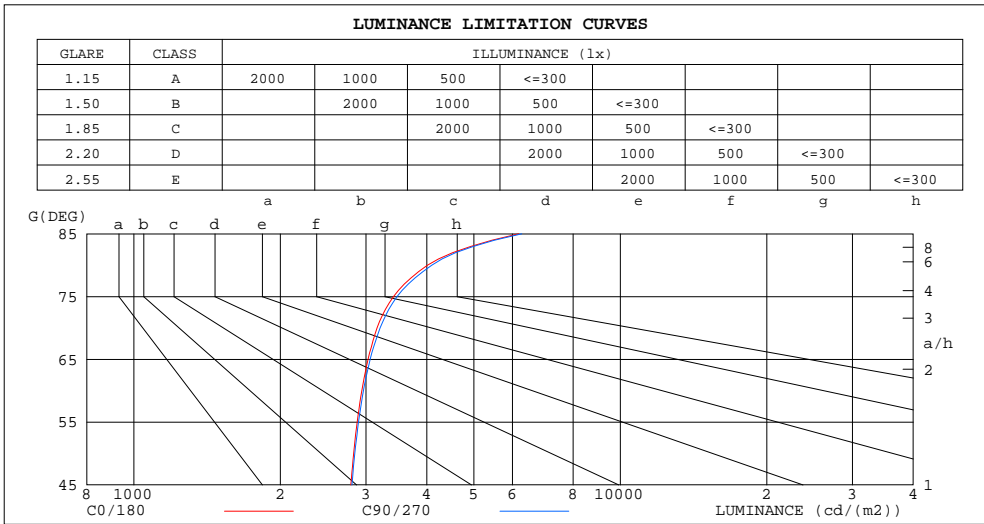
%lamp = 56.7%

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:0.3167A P:34.670W PF:0.9123 Freq:60.00Hz Lamp Flux:1915.55x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	6174	6271
80	4014	4095
75	3417	3476
70	3162	3207
65	3030	3060
60	2941	2964
55	2877	2895
50	2830	2846
45	2793	2807

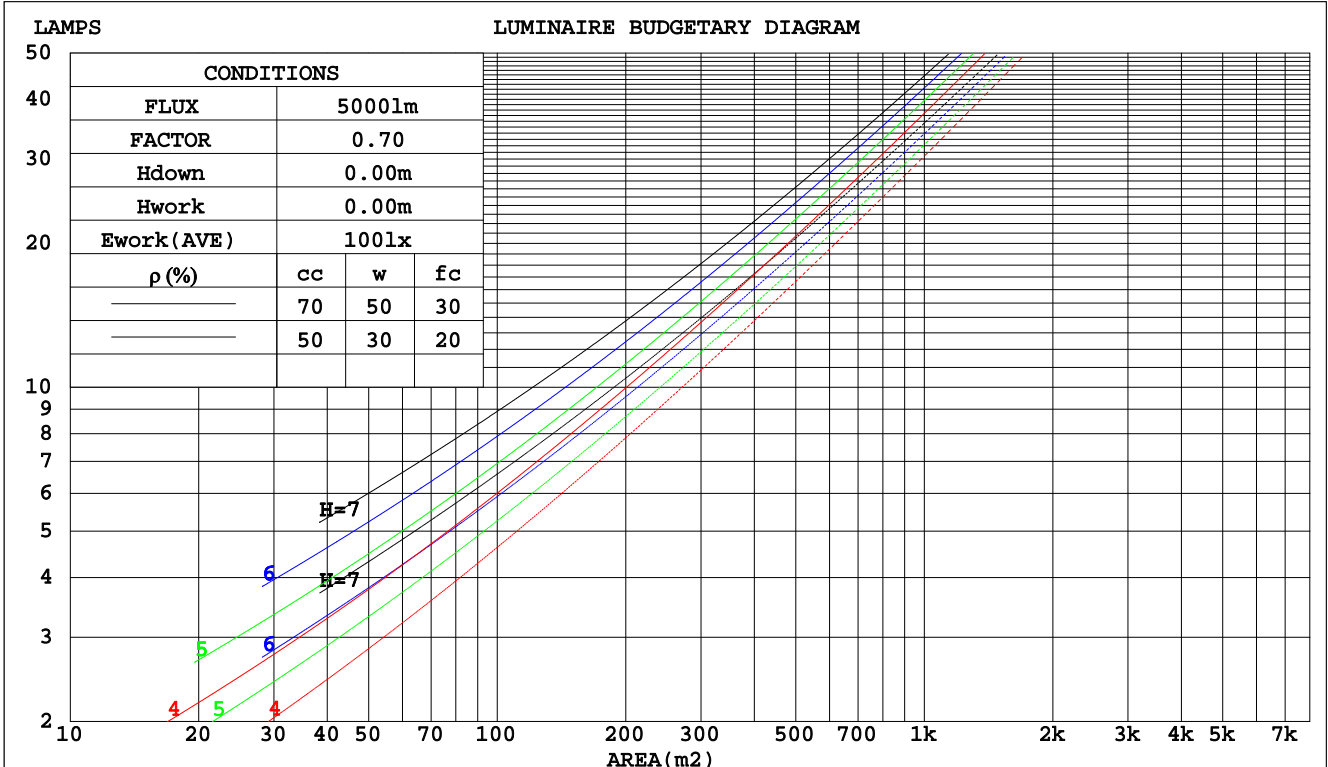
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 01 June 2023

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:0.3167A P:34.670W PF:0.9123 Freq:60.00Hz Lamp Flux:1915.55x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_3000K	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	.42
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	.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:0.3167A P:34.670W PF:0.9123 Freq:60.00Hz Lamp Flux:1915.55x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_3000K	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	.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	.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	.285	.285	.285	.194	.194	.194	.112	.112	.112	.036	.036	.036	
1.0	.327	.299	.274	.280	.257	.236	.191	.177	.163	.110	.102	.095	.035	.033	.031	
2.0	.320	.276	.240	.274	.238	.207	.188	.165	.145	.108	.096	.085	.035	.031	.028	
3.0	.313	.260	.218	.268	.224	.189	.184	.156	.132	.106	.091	.078	.034	.030	.026	
4.0	.305	.247	.203	.262	.214	.176	.180	.149	.124	.104	.087	.073	.034	.028	.024	
5.0	.298	.237	.193	.256	.205	.168	.176	.143	.118	.102	.084	.070	.033	.027	.023	
6.0	.290	.229	.186	.250	.199	.162	.172	.139	.114	.100	.082	.068	.032	.027	.022	
7.0	.284	.223	.180	.244	.193	.157	.169	.135	.111	.098	.080	.066	.032	.026	.022	
8.0	.277	.217	.176	.239	.188	.154	.165	.132	.109	.096	.078	.065	.031	.026	.022	
9.0	.271	.213	.173	.233	.184	.151	.162	.130	.107	.094	.077	.064	.031	.025	.021	
10.0	.265	.208	.171	.229	.181	.149	.159	.127	.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:0.3167A P:34.670W PF:0.9123 Freq:60.00Hz Lamp Flux:1915.55x1 lm										
NAME: ASD-LFC-LF-18D35-AC-BK_3000K					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	15.5	16.8	16.0	17.3	17.9	15.5	16.8	16.0	17.3	17.9
3H	17.4	18.7	18.0	19.2	19.8	17.5	18.7	18.0	19.3	19.9
4H	18.4	19.6	19.0	20.1	20.8	18.5	19.6	19.0	20.2	20.8
6H	19.3	20.4	19.9	21.0	21.7	19.4	20.5	20.0	21.1	21.8
8H	19.8	20.9	20.4	21.5	22.2	19.9	21.0	20.5	21.6	22.2
12H	20.4	21.4	21.0	22.0	22.7	20.5	21.5	21.1	22.1	22.8
4H 2H	16.1	17.3	16.7	17.9	18.5	16.2	17.3	16.7	17.9	18.5
3H	18.3	19.3	18.9	19.9	20.6	18.4	19.4	19.0	20.0	20.7
4H	19.4	20.4	20.1	21.0	21.7	19.5	20.4	20.1	21.0	21.8
6H	20.5	21.4	21.2	22.0	22.8	20.6	21.5	21.3	22.1	22.9
8H	21.1	21.9	21.8	22.6	23.3	21.2	22.0	21.9	22.7	23.4
12H	21.8	22.5	22.5	23.2	24.0	21.9	22.6	22.6	23.3	24.0
8H 4H	19.8	20.6	20.5	21.3	22.0	19.9	20.7	20.6	21.3	22.1
6H	21.2	21.8	21.9	22.5	23.4	21.3	21.9	22.0	22.6	23.4
8H	22.0	22.5	22.7	23.2	24.1	22.0	22.6	22.7	23.3	24.1
12H	22.8	23.3	23.5	24.0	24.9	22.9	23.4	23.6	24.1	25.0
12H 4H	19.9	20.6	20.6	21.3	22.1	20.0	20.7	20.6	21.3	22.1
6H	21.4	21.9	22.1	22.7	23.5	21.4	22.0	22.2	22.7	23.6
8H	22.2	22.7	22.9	23.4	24.3	22.3	22.8	23.0	23.5	24.4
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, 1916 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.3)
 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:0.3167A P:34.670W PF:0.9123 Freq:60.00Hz Lamp Flux:1915.55x1 lm		
NAME:ASD-LFC-LF-18D35-AC-BK_3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

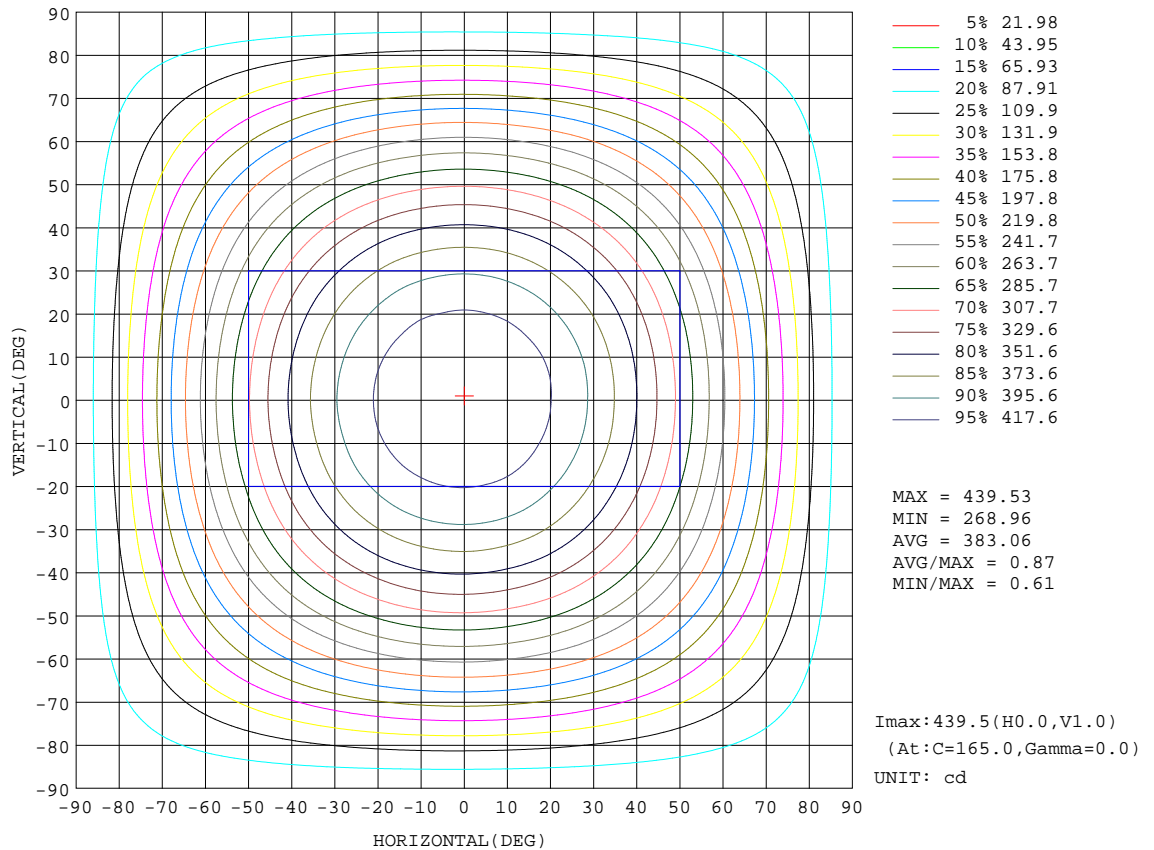
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	37	30	48	36	29	46	35	29	22
0.80	58	46	38	57	45	37	54	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	67	82	73	66	77	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

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:0.3167A P:34.670W PF:0.9123 Freq:60.00Hz Lamp Flux:1915.55x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

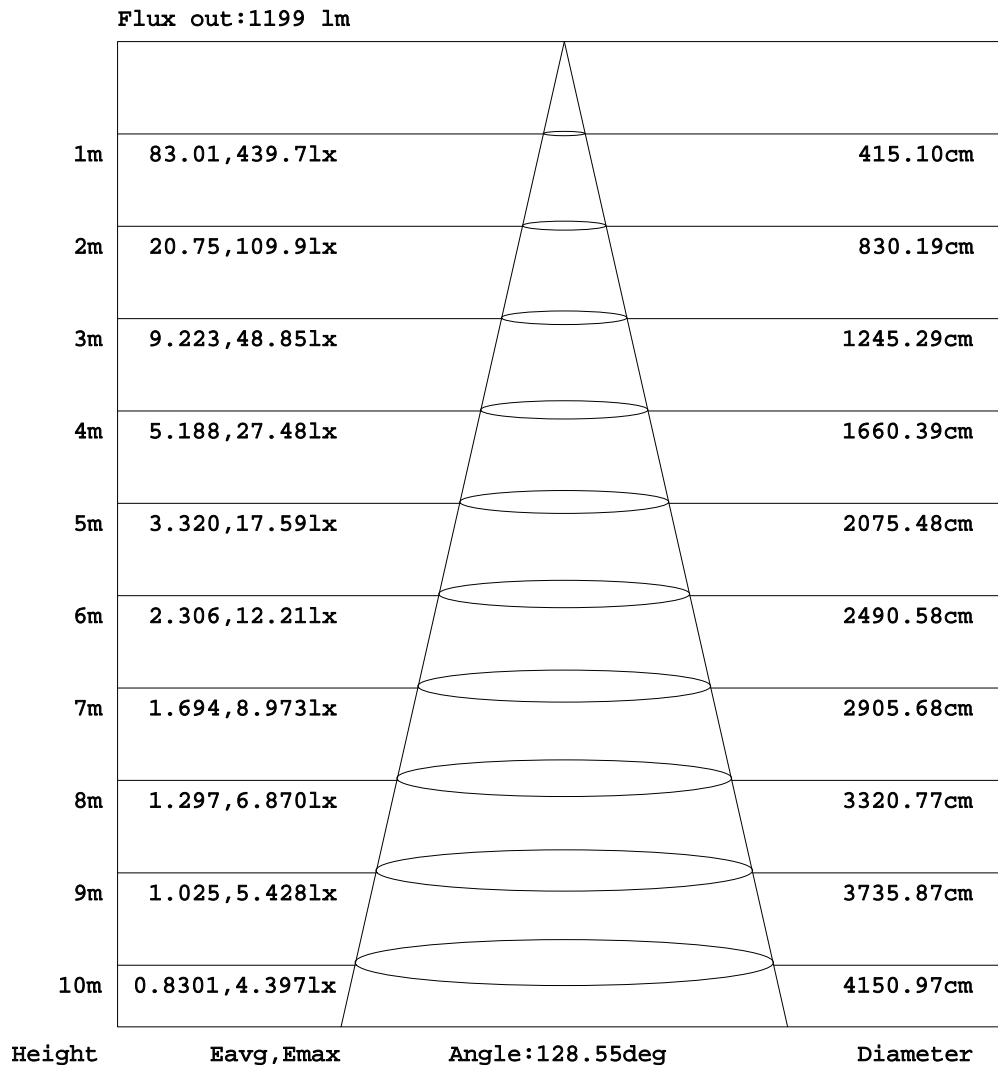


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Alan Wang
 Test Date: 01 June 2023

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:0.3167A P:34.670W PF:0.9123 Freq:60.00Hz Lamp Flux:1915.55x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



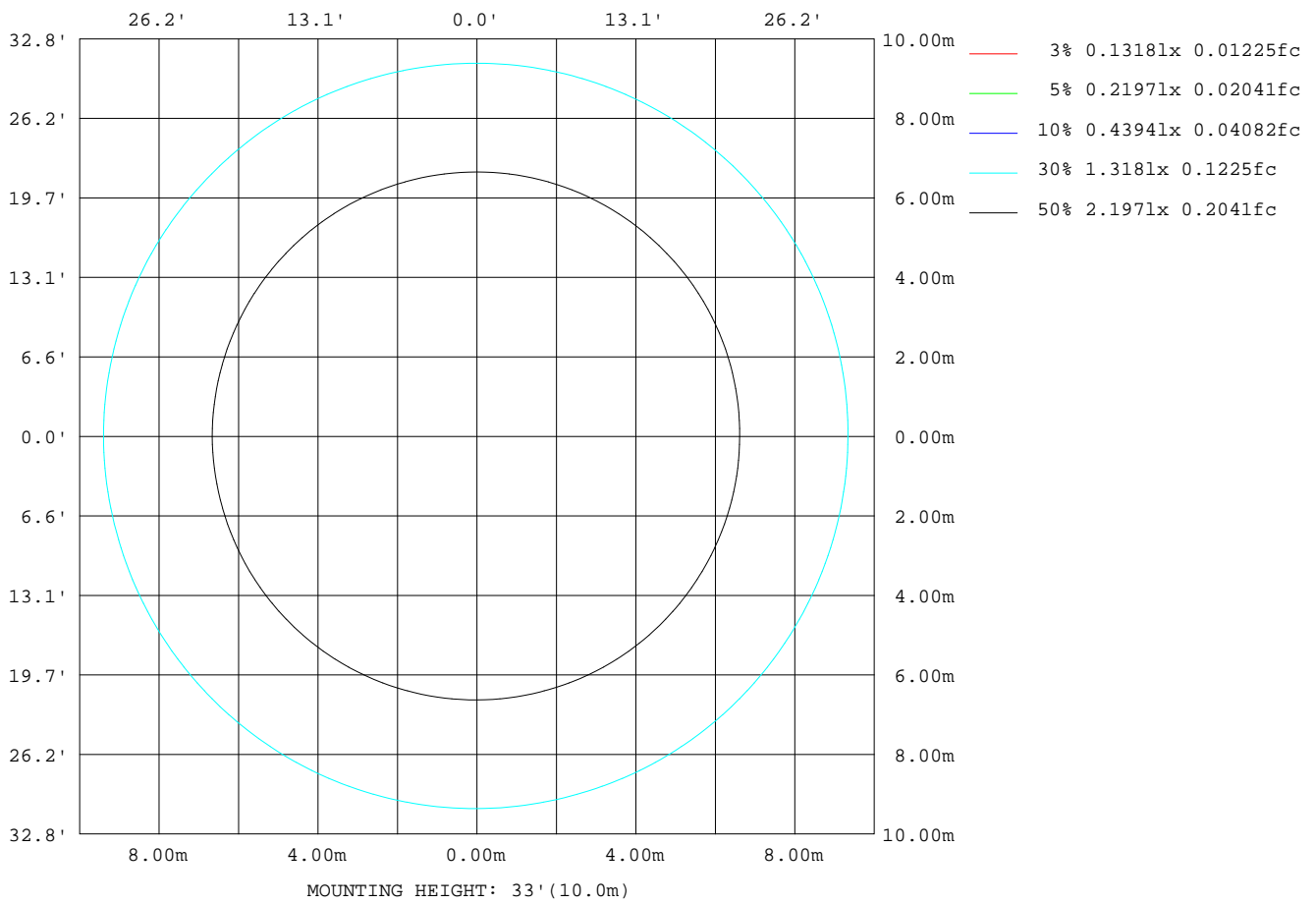
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.3167A P:34.670W PF:0.9123 Freq:60.00Hz Lamp Flux:1915.55x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_3000K	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:0.3167A P:34.670W PF:0.9123 Freq:60.00Hz Lamp Flux:1915.55x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_3000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

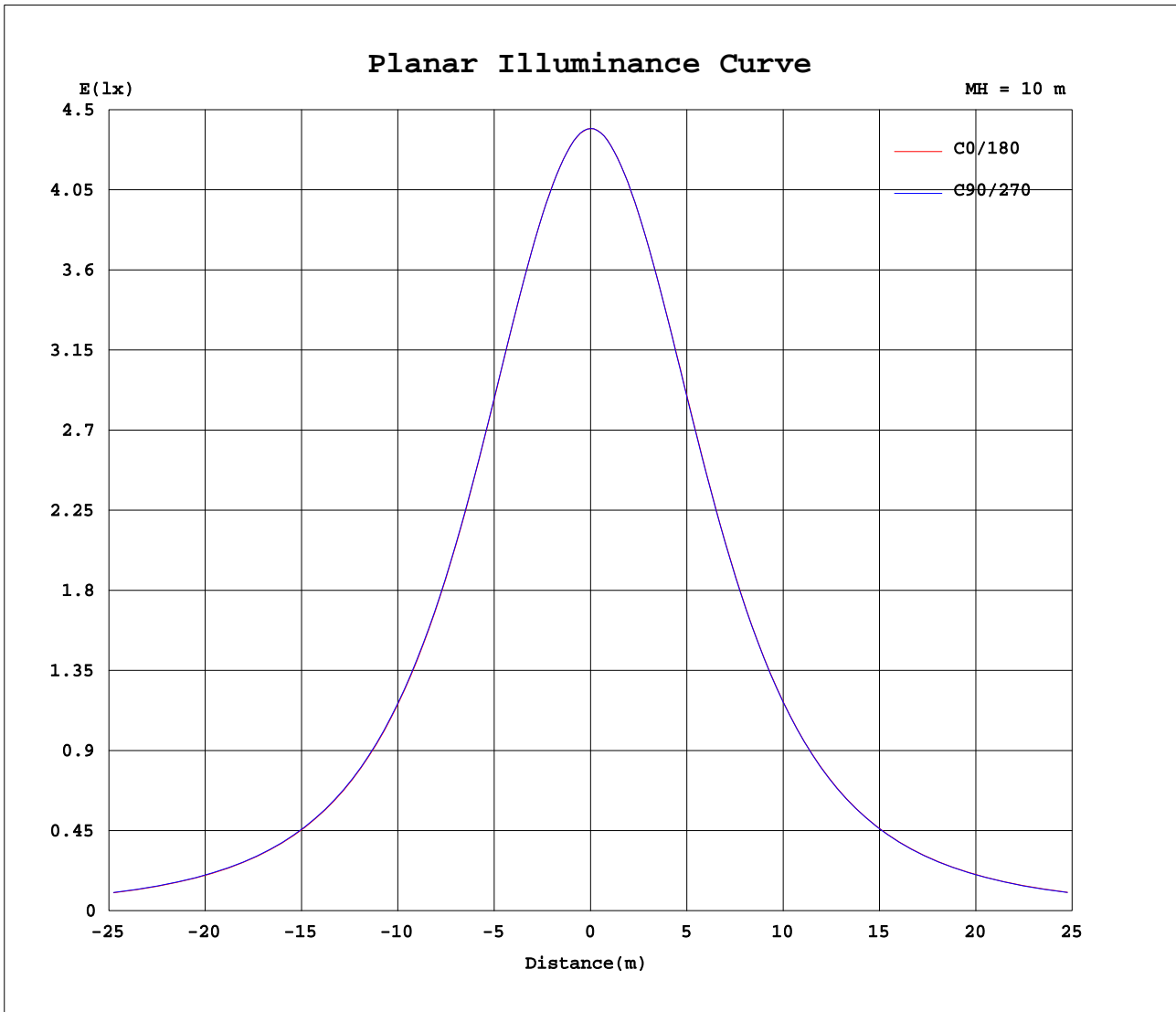
AvgL	cd/m2
L_0~180(65)av	3064
L_0~180(75)av	3468
L_0~180(85)av	6287
L_90~270(65)av	3067
L_90~270(75)av	3466
L_90~270(85)av	6242
L_45(65)av	3065
L_45(75)av	3471
L_45(85)av	6275

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:0.3167A P:34.670W PF:0.9123 Freq:60.00Hz Lamp Flux:1915.55x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_3000K	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	439	439	439	439	440	439	439	439	439	439	439	440	439	439	439	439	440	439	439
5	437	437	437	437	437	437	438	437	437	438	438	438	438	438	438	438	438	438	438
10	433	433	432	432	433	432	433	433	433	433	433	433	434	433	433	433	434	433	433
15	427	426	426	426	427	426	427	427	427	427	428	428	428	428	428	427	428	427	428
20	418	418	417	418	418	418	418	418	418	419	419	420	419	420	420	419	420	419	419
25	406	406	406	406	406	406	406	407	407	408	408	408	409	409	408	408	408	408	408
30	391	391	390	391	391	391	392	392	393	393	393	393	394	394	394	394	394	393	393
35	373	373	372	373	373	373	374	374	375	375	375	376	376	376	376	376	376	375	375
40	352	351	351	352	352	352	353	353	354	354	355	355	355	355	355	355	355	355	355
45	328	328	328	328	329	329	330	330	330	331	331	331	332	332	332	332	332	331	331
50	302	302	302	302	303	303	304	304	305	305	306	306	307	306	306	306	306	306	306
55	274	273	274	274	275	275	276	276	277	277	277	277	279	278	278	278	278	277	278
60	244	244	244	245	245	245	246	247	247	247	248	248	249	249	249	248	248	248	248
65	213	212	213	213	214	214	215	215	216	216	216	217	217	218	217	216	216	216	216
70	180	179	180	181	182	182	182	183	183	184	184	184	184	184	184	183	183	182	182
75	147	147	147	148	149	149	149	150	150	151	151	151	151	151	151	150	150	149	149
80	116	115	116	116	117	118	118	118	119	119	119	119	120	120	119	119	118	117	117
85	89.4	89.1	89.3	89.8	90.2	90.5	90.8	91.0	91.7	92.0	92.3	92.5	92.7	92.7	92.0	91.3	90.8	90.2	89.9
90	68.7	68.5	68.7	69.2	69.7	70.0	70.2	70.2	70.4	70.7	70.9	71.2	71.7	71.8	71.2	70.7	70.2	69.8	69.6
95	64.2	63.8	63.9	64.2	64.5	64.7	64.8	64.9	65.1	65.3	65.5	65.7	66.0	66.2	65.8	65.6	65.4	65.4	65.2
100	63.1	62.8	62.7	62.9	63.1	63.4	63.5	63.6	63.8	63.9	64.2	64.3	64.6	64.8	64.5	64.3	64.3	64.3	64.3
105	62.2	61.9	61.8	62.0	62.2	62.5	62.6	62.7	62.8	63.0	63.2	63.3	63.6	63.7	63.6	63.4	63.4	63.5	63.4
110	61.1	60.9	60.8	60.9	61.1	61.4	61.5	61.6	61.7	61.8	62.0	62.2	62.4	62.4	62.4	62.3	62.4	62.5	62.5
115	59.9	59.6	59.6	59.7	59.9	60.1	60.2	60.3	60.5	60.6	60.7	60.8	61.0	61.0	61.1	61.0	61.1	61.2	61.2
120	58.5	58.2	58.2	58.3	58.5	58.7	58.8	58.9	59.0	59.1	59.2	59.2	59.4	59.5	59.5	59.5	59.5	59.7	59.7
125	56.9	56.7	56.6	56.7	56.9	57.1	57.2	57.3	57.3	57.3	57.5	57.5	57.7	57.8	57.8	57.8	57.8	58.0	57.9
130	55.2	54.9	54.9	55.0	55.1	55.2	55.4	55.4	55.4	55.5	55.7	55.6	55.8	55.9	56.0	55.9	55.9	56.1	56.1
135	53.3	53.2	53.1	53.2	53.2	53.3	53.4	53.4	53.5	53.5	53.5	53.6	53.8	53.8	53.9	53.9	53.9	54.1	54.0
140	51.7	51.7	51.6	51.7	51.6	51.5	51.6	51.5	51.6	51.6	51.7	51.7	51.9	52.0	51.9	52.0	52.0	52.2	52.2
145	50.2	50.1	50.0	50.0	49.9	49.7	49.7	49.8	49.9	50.0	50.1	50.1	50.3	50.1	50.1	50.2	50.2	50.4	50.5
150	47.8	47.9	48.2	47.8	47.5	47.9	48.2	48.2	47.9	47.9	48.1	47.9	47.7	48.1	48.1	48.2	48.0	48.0	48.4
155	45.6	46.1	46.4	46.4	45.9	44.8	46.4	45.9	45.5	46.2	46.1	46.0	45.4	44.5	45.9	46.0	44.9	46.1	46.2
160	43.8	44.3	44.2	44.4	44.3	43.1	38.6	40.5	44.0	44.4	44.4	44.3	43.6	43.6	39.1	40.1	43.8	44.2	44.3
165	39.6	40.6	40.9	41.0	40.1	39.0	38.5	38.5	39.7	40.7	41.0	40.9	39.5	39.3	37.6	37.9	39.1	40.1	41.1
170	34.4	34.6	34.7	34.7	35.0	35.2	33.6	34.6	35.2	35.4	35.5	34.3	34.9	35.1	34.8	34.0	35.3	35.1	35.4
175	28.0	28.7	28.9	27.7	27.4	27.0	26.9	26.9	28.1	29.1	28.4	27.2	27.9	28.0	27.1	26.5	26.5	27.7	28.2
180	38.1	39.6	39.2	36.2	37.0	37.1	37.4	38.5	38.1	39.9	39.0	37.2	34.4	34.4	34.4	33.4	33.0	33.9	33.1

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:0.3167A P:34.670W PF:0.9123 Freq:60.00Hz Lamp Flux:1915.55x1 lm		
NAME: ASD-LFC-LF-18D35-AC-BK_3000K	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	439	439	439	439	440														
5	438	438	437	438	438														
10	433	433	433	433	433														
15	427	427	427	427	427														
20	419	419	419	419	419														
25	408	408	408	407	407														
30	393	393	392	392	392														
35	375	375	374	374	374														
40	355	354	353	353	353														
45	331	331	330	330	329														
50	305	305	304	304	303														
55	277	277	276	276	275														
60	247	247	247	247	246														
65	215	215	215	214	214														
70	182	182	182	181	180														
75	148	149	148	148	147														
80	117	117	117	117	116														
85	89.9	89.9	90.2	90.2	89.9														
90	69.7	69.6	69.6	69.5	69.2														
95	65.5	65.2	65.2	65.1	64.7														
100	64.4	64.3	64.2	64.0	63.6														
105	63.7	63.5	63.3	63.1	62.7														
110	62.6	62.4	62.2	61.9	61.5														
115	61.3	61.1	60.9	60.7	60.2														
120	59.7	59.6	59.3	59.2	58.8														
125	58.0	57.9	57.6	57.6	57.3														
130	56.1	56.0	55.8	55.7	55.5														
135	54.1	54.1	53.8	53.8	53.6														
140	52.2	52.3	52.0	52.0	51.9														
145	50.5	50.6	50.2	50.0	50.1														
150	48.2	48.1	48.2	48.1	48.2														
155	46.4	45.7	44.6	46.1	46.0														
160	44.4	44.3	44.0	39.4	39.2														
165	41.3	41.3	40.2	39.0	38.0														
170	36.2	35.7	35.8	35.3	33.8														
175	29.6	29.7	29.3	27.7	27.6														
180	33.3	34.3	34.3	34.3	33.4														

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: