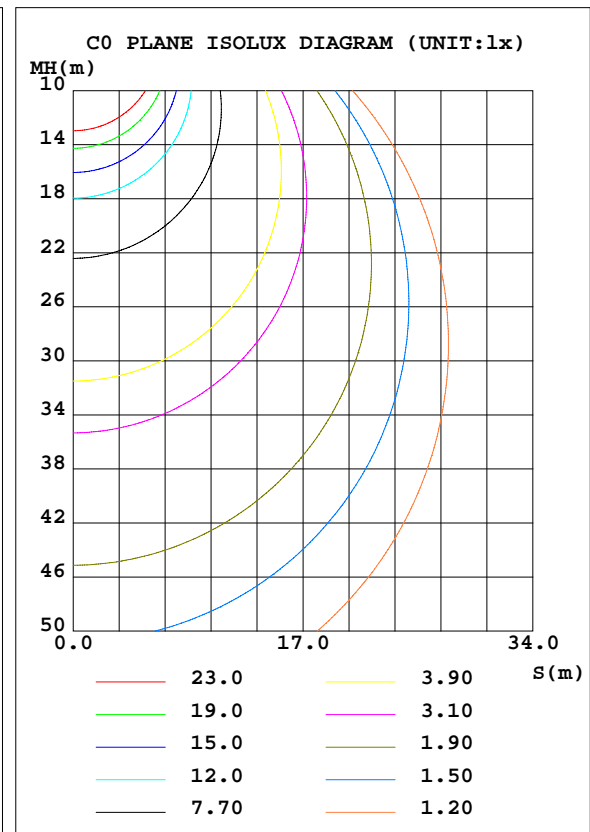
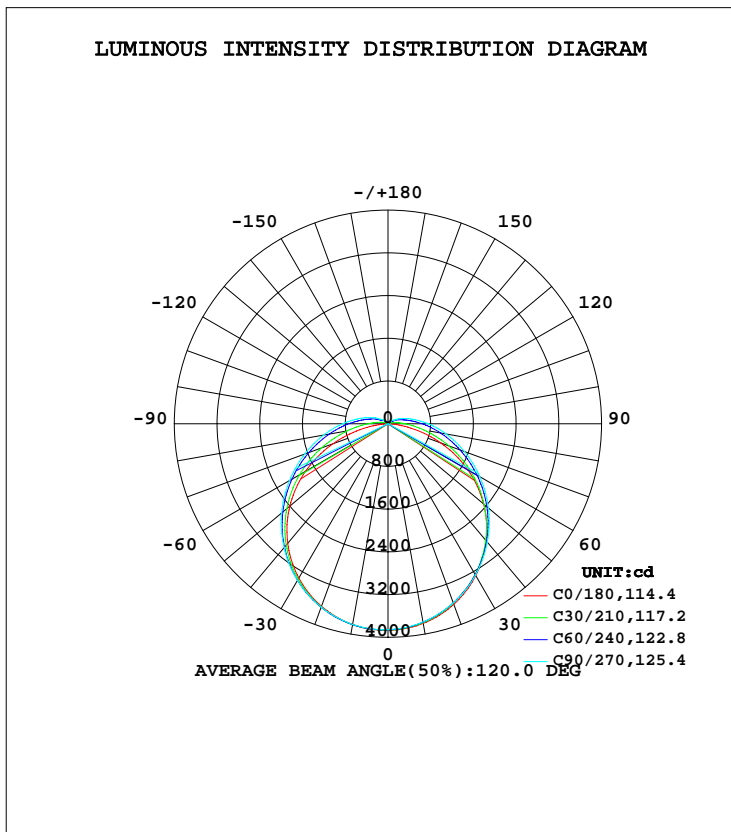


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.00V I:0.4769A P:122.31W PF:0.9954 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.44 lm/W			
MODEL	ASD-LVP2SM-8A120AC-20EM	Imax(cd)	3869	S/MH(C0/180)	1.28
NOMINAL POWER(W)	120	LOR(%)	100.0	S/MH(C90/270)	1.31
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	13800	η UP, DN(C0-180)	2.8,45.9
NOMINAL FLUX(lm)	13800	CIE CLASS	DIRECT 6	η UP, DN(C180-360)	3.3,47.9
LAMPS INSIDE	1	η up(%)	.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	93.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 07 April 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	3797	3777	3771	3778	3815	3821	3816	3798	0- 10	365.2	365.2	2.74,2.74
20	3601	3573	3572	3584	3639	3657	3654	3622	10- 20	1049	1415	10.6,10.6
30	3286	3261	3275	3282	3338	3375	3388	3334	20- 30	1603	3017	22.6,22.6
40	2860	2858	2894	2885	2922	2990	3027	2949	30- 40	1959	4976	37.3,37.3
50	2339	2384	2455	2412	2400	2528	2600	2484	40- 50	2079	7054	52.9,52.9
60	1728	1864	1986	1890	1786	2005	2131	1965	50- 60	1957	9011	67.6,67.6
70	1053	1337	1523	1356	1096	1466	1659	1428	60- 70	1626	10637	79.8,79.8
80	378.7	865.6	1105	877.2	402.3	972.1	1222	938.5	70- 80	1165	11802	88.6,88.6
90	9.848	502.3	753.6	507.5	3.592	583.7	847.6	555.0	80- 90	707.7	12510	93.9,93.9
100	0.9229	269.1	481.4	270.3	3.044	322.5	552.7	301.2	90-100	397.7	12907	96.9,96.9
110	1.226	134.5	294.2	133.6	2.568	170.8	342.1	154.3	100-110	219.3	13127	98.5,98.5
120	1.707	66.31	147.7	66.28	2.567	88.41	177.1	80.38	110-120	111.4	13238	99.4,99.4
130	2.225	28.32	83.46	28.41	3.200	42.31	105.5	37.44	120-130	52.55	13291	99.7,99.7
140	2.701	9.574	35.11	9.576	3.826	16.61	48.83	14.73	130-140	22.11	13313	99.9,99.9
150	3.181	3.680	10.06	3.755	4.509	6.326	16.77	6.471	140-150	7.344	13320	100,100
160	3.821	3.873	3.897	3.824	5.121	5.187	6.046	5.315	150-160	2.493	13323	100,100
170	4.424	4.384	4.288	4.338	5.337	5.356	5.407	5.464	160-170	1.341	13324	100,100
180	5.076	5.100	5.157	5.043	5.076	5.069	5.018	5.086	170-180	0.4702	13324	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 6015.4 lm

%lum = 45.1%

%lamp = 45.1%

Conical surface Flux(120deg): 9011.3 lm

%lum = 67.6%

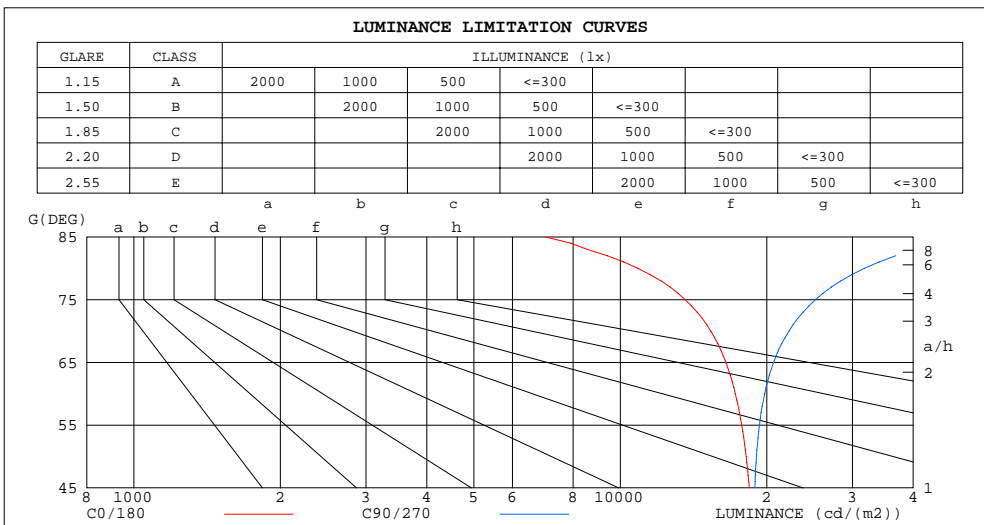
%lamp = 67.6%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 07 April 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.4769A P:122.31W PF:0.9954 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	7026	52640
80	10871	31731
75	13592	25163
70	15341	22203
65	16492	20652
60	17228	19802
55	17765	19318
50	18137	19042
45	18412	18896

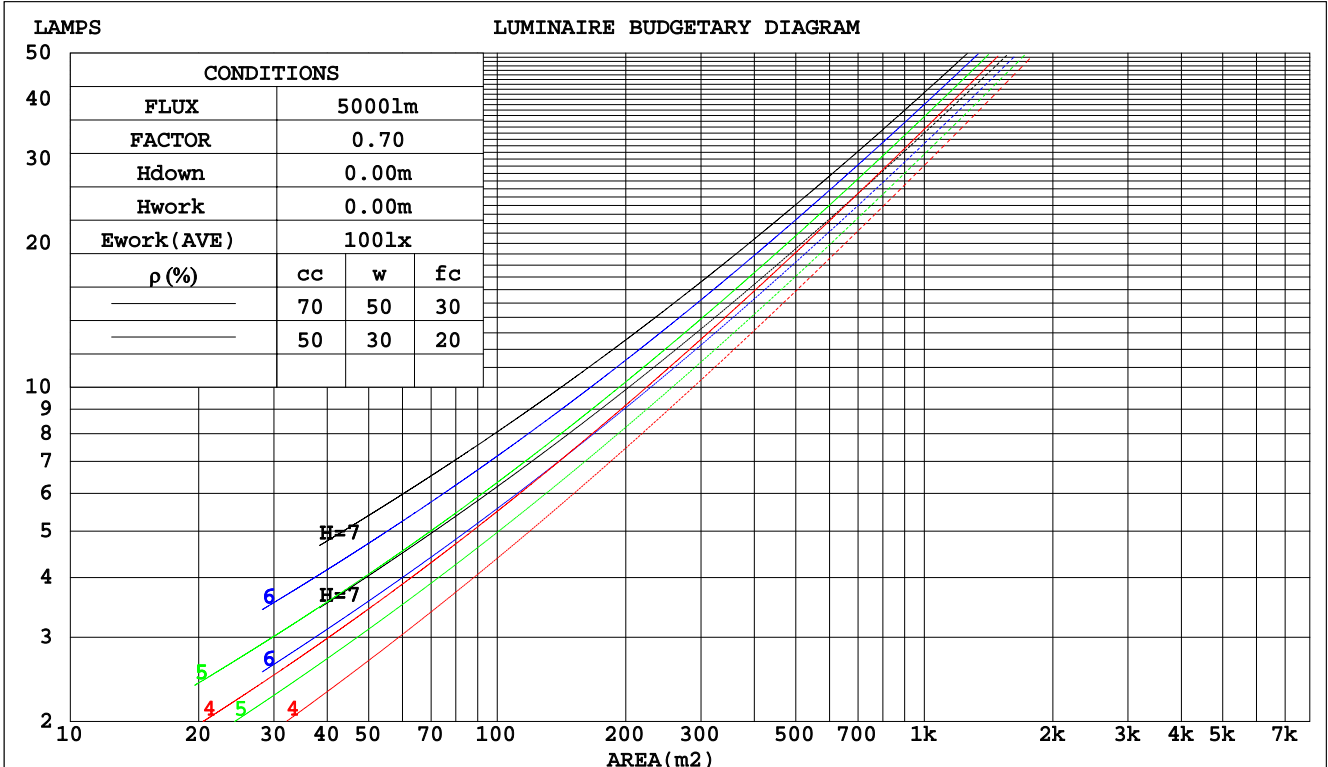
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 07 April 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.4769A P:122.31W PF:0.9954 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	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	1.18	1.18	1.18	1.14	1.14	1.14	1.08	1.08	1.08	1.02	1.02	1.02	.96	.96	.96	.94
1.0	.00	.95	.91	.97	.93	.88	.92	.88	.85	.87	.84	.81	.82	.80	.77	.75
2.0	.86	.79	.72	.84	.77	.71	.79	.73	.68	.75	.70	.66	.71	.67	.64	.61
3.0	.75	.66	.59	.73	.65	.58	.69	.62	.57	.66	.60	.55	.62	.57	.53	.51
4.0	.66	.57	.50	.64	.56	.49	.61	.54	.48	.58	.52	.47	.55	.50	.45	.43
5.0	.59	.50	.43	.57	.49	.42	.55	.47	.41	.52	.45	.40	.49	.44	.39	.37
6.0	.53	.44	.37	.52	.43	.37	.49	.42	.36	.47	.40	.35	.45	.39	.34	.32
7.0	.48	.39	.33	.47	.38	.32	.45	.37	.32	.43	.36	.31	.41	.35	.30	.28
8.0	.44	.35	.29	.43	.34	.29	.41	.33	.28	.39	.32	.28	.37	.31	.27	.25
9.0	.40	.32	.26	.39	.31	.26	.38	.30	.25	.36	.29	.25	.35	.29	.24	.22
10.0	.37	.29	.23	.36	.28	.23	.35	.28	.23	.33	.27	.22	.32	.26	.22	.20



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 07 April 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

WEC AND CCEC

Test:U:120.00V I:0.4769A P:122.31W PF:0.9954 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	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	.357	.203	.064	.347	.198	.063	.331	.190	.061	.315	.182	.058	.301	.174	.056	
2.0	.318	.175	.054	.310	.171	.053	.295	.164	.051	.281	.158	.049	.268	.152	.048	
3.0	.287	.153	.046	.280	.150	.045	.267	.145	.044	.254	.139	.043	.243	.134	.042	
4.0	.261	.136	.040	.255	.133	.039	.243	.129	.038	.231	.124	.037	.221	.120	.037	
5.0	.239	.122	.035	.233	.120	.035	.222	.116	.034	.212	.112	.033	.203	.108	.033	
6.0	.220	.110	.032	.215	.109	.031	.205	.105	.031	.196	.102	.030	.187	.099	.029	
7.0	.204	.101	.029	.199	.099	.028	.190	.096	.028	.182	.093	.027	.174	.090	.027	
8.0	.189	.093	.026	.185	.091	.026	.177	.089	.025	.170	.086	.025	.163	.083	.024	
9.0	.177	.086	.024	.173	.084	.024	.166	.082	.023	.159	.080	.023	.152	.077	.022	
10.0	.166	.080	.022	.162	.078	.022	.156	.076	.021	.149	.074	.021	.144	.072	.021	

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	.237	.237	.237	.203	.203	.203	.138	.138	.138	.079	.079	.079	.025	.025	.025	
1.0	.231	.203	.178	.197	.174	.153	.135	.120	.106	.078	.069	.061	.025	.022	.020	
2.0	.223	.179	.142	.191	.154	.123	.131	.107	.086	.076	.062	.050	.024	.020	.016	
3.0	.215	.162	.119	.185	.140	.103	.127	.097	.073	.073	.057	.043	.024	.018	.014	
4.0	.208	.149	.104	.178	.129	.091	.122	.090	.064	.071	.053	.038	.023	.017	.012	
5.0	.200	.139	.094	.172	.120	.082	.118	.084	.058	.069	.049	.034	.022	.016	.011	
6.0	.193	.131	.086	.165	.113	.075	.114	.079	.053	.066	.047	.032	.021	.015	.010	
7.0	.185	.124	.081	.160	.107	.070	.110	.075	.050	.064	.044	.030	.021	.015	.010	
8.0	.179	.118	.076	.154	.102	.067	.106	.072	.047	.062	.042	.028	.020	.014	.009	
9.0	.173	.113	.073	.149	.098	.064	.103	.069	.045	.060	.041	.027	.019	.013	.009	
10.0	.167	.109	.071	.144	.095	.062	.100	.067	.044	.058	.039	.026	.019	.013	.009	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 07 April 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.4769A P:122.31W PF:0.9954 Freq:60.00Hz Lamp Flux:13800x1 lm										
NAME: Direct Linear Ambient Luminaires					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	21.3	22.9	21.8	23.3	23.8	22.0	23.6	22.5	24.0	24.5
3H	23.1	24.5	23.6	25.0	25.5	24.5	25.9	24.9	26.3	26.8
4H	23.8	25.1	24.2	25.6	26.1	25.7	27.0	26.1	27.5	28.0
6H	24.2	25.4	24.7	25.9	26.4	26.9	28.2	27.4	28.7	29.2
8H	24.3	25.5	24.8	26.0	26.5	27.6	28.8	28.1	29.3	29.8
12H	24.3	25.5	24.9	26.0	26.6	28.3	29.5	28.9	30.0	30.6
4H 2H	22.1	23.5	22.6	24.0	24.5	22.7	24.0	23.2	24.5	25.0
3H	24.2	25.4	24.7	25.9	26.4	25.4	26.6	25.9	27.1	27.6
4H	25.0	26.1	25.5	26.6	27.2	26.8	27.8	27.3	28.4	28.9
6H	25.6	26.5	26.1	27.1	27.7	28.3	29.2	28.8	29.7	30.3
8H	25.8	26.6	26.3	27.2	27.8	29.0	29.9	29.6	30.5	31.1
12H	25.9	26.6	26.4	27.2	27.8	29.9	30.7	30.5	31.3	31.9
8H 4H	25.7	26.6	26.2	27.1	27.7	27.2	28.1	27.7	28.6	29.2
6H	26.5	27.3	27.1	27.9	28.5	28.9	29.7	29.5	30.2	30.8
8H	26.8	27.5	27.4	28.1	28.7	29.9	30.5	30.5	31.2	31.8
12H	27.1	27.7	27.7	28.3	28.9	31.0	31.6	31.6	32.2	32.9
12H 4H	25.9	26.7	26.5	27.3	27.9	27.2	28.0	27.8	28.6	29.2
6H	26.9	27.5	27.5	28.1	28.8	29.0	29.7	29.6	30.3	30.9
8H	27.3	27.9	27.9	28.5	29.2	30.1	30.7	30.7	31.3	32.0
CIE190: 2010										

CIE190: 2010  
Area: 0.2006 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.0DEG  
Operators: Alan Wang  
Test Date: 07 April 2022

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
Humidity: 44.6%  
Test Distance: 2.500m [K=1.0477]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.4769A P:122.31W PF:0.9954 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

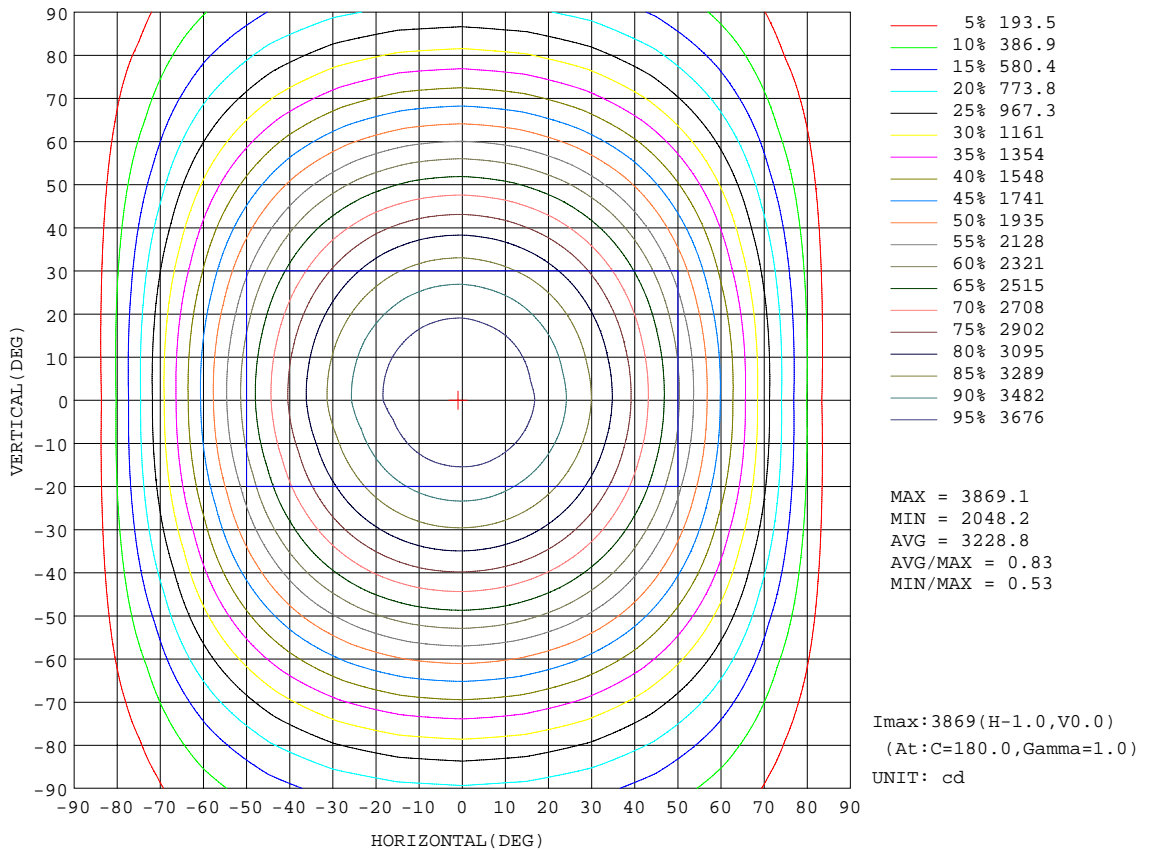
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	53	41	34	52	41	34	51	40	34	27
0.80	63	50	43	62	50	42	59	49	42	35
1.00	71	59	51	69	58	50	67	59	50	42
1.25	78	66	58	76	65	58	73	64	57	49
1.50	83	72	64	81	71	63	77	68	62	53
2.00	90	80	73	88	79	72	83	76	70	61
2.50	94	85	78	92	83	77	87	80	74	65
3.00	98	89	83	95	88	82	90	84	79	69
4.00	102	95	89	99	93	88	94	89	84	74
5.00	105	99	94	102	96	92	96	92	88	77
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: 07 April 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.4769A P:122.31W PF:0.9954 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	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: 07 April 2022

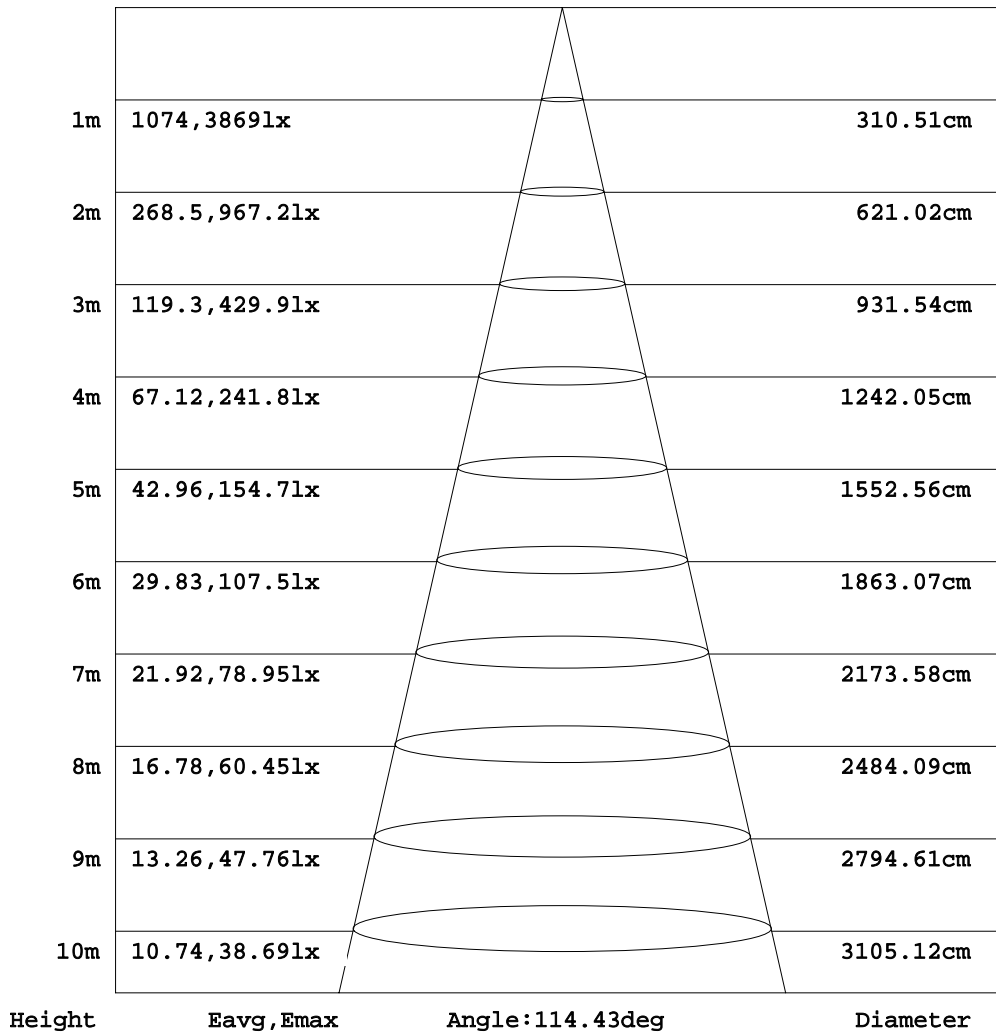
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:



AAI Figure

Test:U:120.00V I:0.4769A P:122.31W PF:0.9954 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Flux out:8640 lm



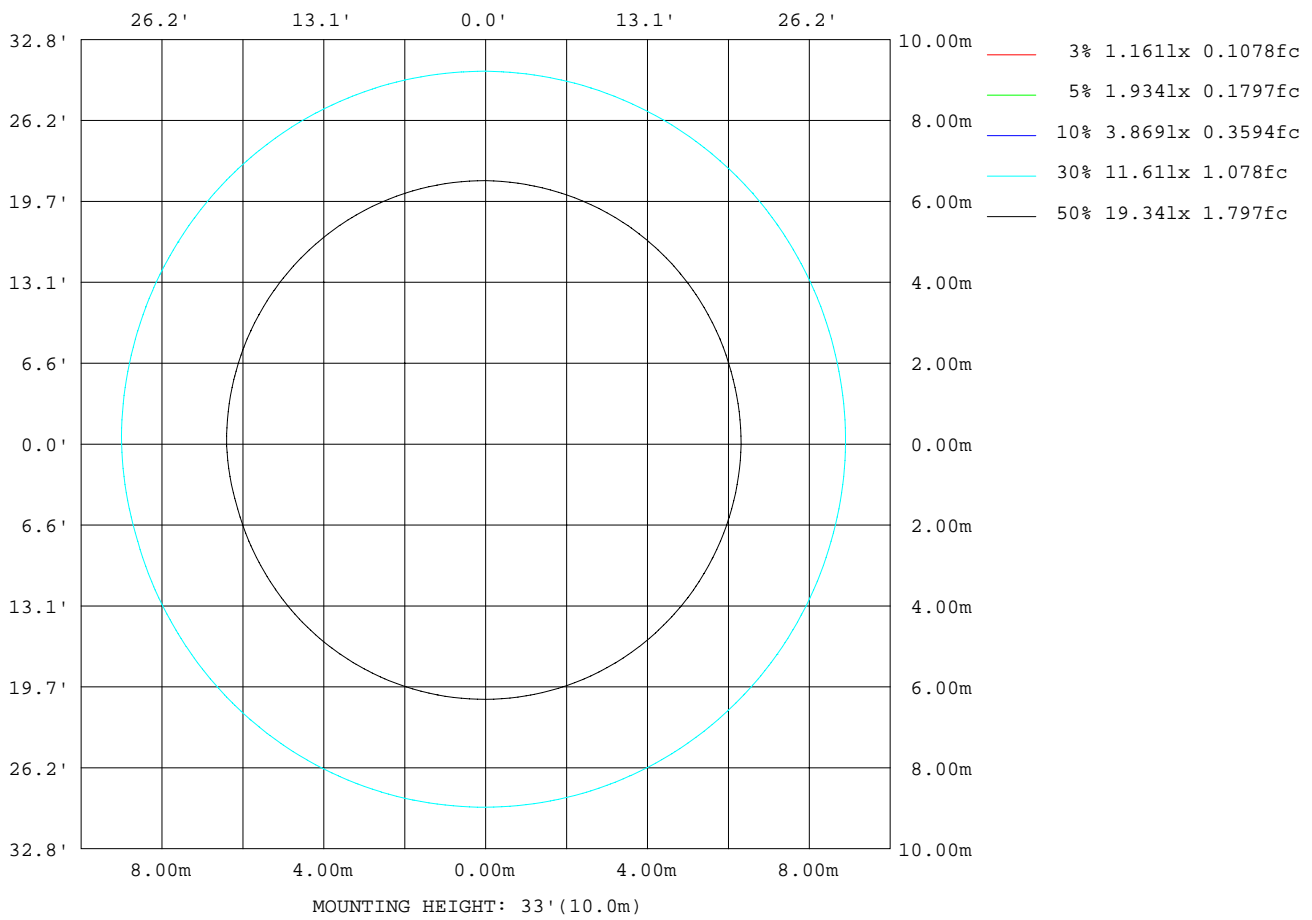
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators:Alan Wang  
 Test Date:07 April 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance:2.500m [K=1.0477]  
 Remarks:

ISOLUX DIAGRAM

Test:U:120.00V I:0.4769A P:122.31W PF:0.9954 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	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: 07 April 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

## LED Avg.L Report

Test:U:120.00V I:0.4769A P:122.31W PF:0.9954 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

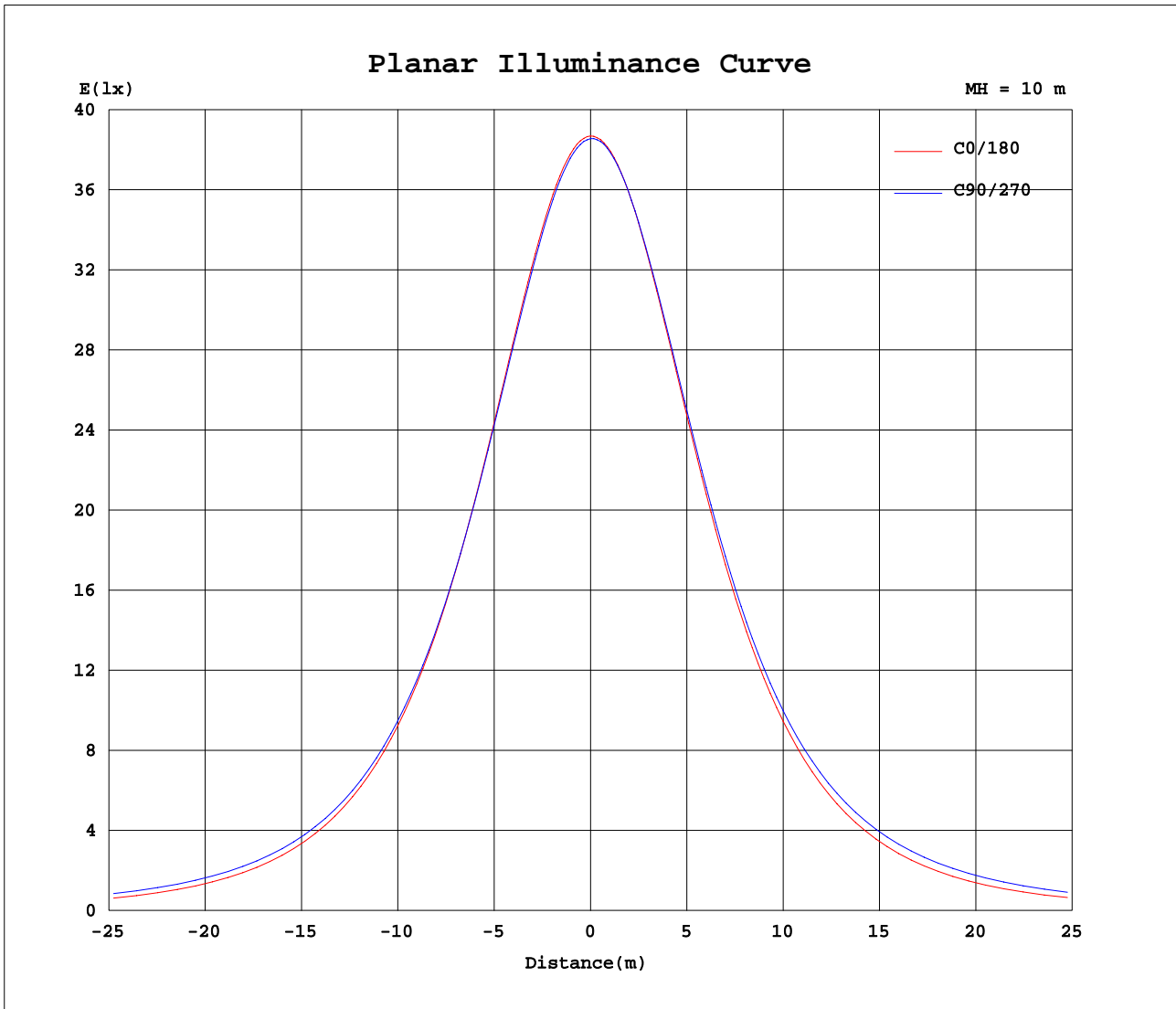
AvgL	cd/m2
L_0~180(65)av	16780
L_0~180(75)av	13945
L_0~180(85)av	7227
L_90~270(65)av	21483
L_90~270(75)av	26400
L_90~270(85)av	55670
L_45(65)av	19607
L_45(75)av	22039
L_45(85)av	40587

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 07 April 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 07 April 2022

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.4769A P:122.31W PF:0.9954 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	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	3869	3868	3863	3862	3859	3857	3856	3852	3851	3848	3849	3846	3869	3868	3863	3862	3859	3857	3856
5	3849	3844	3839	3835	3832	3831	3829	3827	3827	3829	3830	3830	3858	3859	3858	3857	3856	3854	3851
10	3797	3789	3783	3777	3773	3772	3771	3771	3775	3778	3780	3785	3815	3820	3821	3821	3820	3819	3816
15	3714	3704	3696	3689	3686	3685	3685	3687	3690	3697	3701	3706	3743	3749	3751	3753	3754	3754	3748
20	3601	3590	3578	3573	3570	3571	3572	3575	3578	3584	3591	3598	3639	3645	3651	3657	3659	3658	3654
25	3457	3444	3434	3429	3430	3431	3434	3438	3442	3447	3452	3462	3503	3511	3522	3529	3535	3536	3533
30	3286	3271	3261	3261	3265	3271	3275	3279	3280	3282	3284	3294	3338	3348	3362	3375	3388	3390	3388
35	3086	3070	3066	3070	3080	3087	3093	3097	3095	3094	3092	3100	3143	3157	3175	3195	3211	3219	3218
40	2860	2846	2847	2858	2875	2886	2894	2898	2893	2885	2877	2879	2922	2938	2965	2990	3015	3030	3027
45	2612	2600	2607	2629	2653	2671	2680	2683	2674	2657	2638	2635	2674	2695	2731	2769	2801	2820	2821
50	2339	2330	2350	2384	2418	2444	2455	2455	2441	2412	2382	2365	2400	2426	2475	2528	2571	2597	2600
55	2044	2042	2078	2128	2175	2208	2223	2219	2197	2156	2110	2076	2103	2139	2201	2271	2328	2361	2367
60	1728	1738	1794	1864	1926	1968	1986	1978	1947	1890	1824	1769	1786	1830	1915	2005	2078	2120	2131
65	1398	1420	1504	1597	1677	1730	1751	1740	1696	1621	1530	1447	1447	1507	1620	1735	1825	1878	1892
70	1053	1097	1214	1337	1436	1499	1523	1508	1452	1356	1236	1118	1096	1178	1324	1466	1576	1641	1659
75	706	781	936	1090	1208	1280	1306	1288	1221	1106	953	795	742	852	1036	1208	1338	1414	1435
80	379	491	687	866	998	1077	1105	1083	1007	877	697	497	402	551	773	972	1117	1200	1222
85	123	262	480	668	807	891	920	895	815	676	483	261	130	306	552	763	914	1002	1026
90	9.85	119	319	502	641	724	754	728	647	508	319	115	3.59	148	376	584	735	822	848
95	0.80	52.6	206	369	499	579	607	581	503	372	204	49.4	3.12	70.2	250	436	580	665	690
100	0.92	23.4	134	269	383	455	481	458	386	270	133	22.4	3.04	34.5	168	323	452	530	553
105	1.06	11.4	82.7	197	292	355	378	357	294	198	81.0	11.0	2.80	19.3	109	239	346	415	436
110	1.23	5.95	54.5	134	222	275	294	276	224	134	54.0	5.82	2.57	11.3	74.1	171	266	324	342
115	1.45	3.36	35.7	92.7	149	208	227	208	150	93.1	35.3	3.40	2.47	6.57	50.8	118	186	249	266
120	1.71	2.39	22.4	66.3	111	137	148	137	111	66.3	22.2	2.53	2.57	4.38	33.6	88.4	139	166	177
125	1.97	2.24	13.3	44.4	80.6	107	116	107	81.0	44.5	13.0	2.40	2.84	3.64	21.8	62.4	105	133	142
130	2.22	2.39	7.75	28.3	54.8	75.7	83.5	76.0	55.1	28.4	7.63	2.52	3.20	3.55	13.8	42.3	74.7	98.2	106
135	2.48	2.60	4.78	16.9	35.1	50.2	56.1	50.4	35.4	17.0	4.75	2.71	3.55	3.74	8.79	27.1	50.6	68.3	74.1
140	2.70	2.79	3.47	9.57	21.0	31.0	35.1	31.1	21.1	9.58	3.48	2.86	3.83	3.99	6.05	16.6	31.9	44.7	48.8
145	2.93	2.98	3.21	5.40	11.3	17.3	19.9	17.3	11.3	5.49	3.23	3.03	4.17	4.27	4.90	9.80	18.8	26.8	29.7
150	3.18	3.19	3.29	3.68	5.93	8.77	10.1	8.82	6.00	3.76	3.33	3.23	4.51	4.58	4.68	6.33	10.4	14.9	16.8
155	3.50	3.50	3.57	3.59	3.95	4.79	5.25	4.81	3.96	3.58	3.56	3.53	4.83	4.84	4.94	5.15	6.34	8.16	9.18
160	3.82	3.81	3.84	3.87	3.85	3.86	3.90	3.87	3.80	3.82	3.82	3.82	5.12	5.13	5.17	5.19	5.25	5.67	6.05
165	4.17	4.17	4.15	4.16	4.10	4.08	4.04	4.08	4.07	4.08	4.13	4.15	5.30	5.30	5.31	5.30	5.32	5.37	5.44
170	4.42	4.44	4.41	4.38	4.34	4.34	4.29	4.26	4.30	4.34	4.37	4.38	5.34	5.34	5.35	5.36	5.37	5.39	5.41
175	4.74	4.77	4.76	4.77	4.71	4.68	4.63	4.70	4.64	4.65	4.66	4.68	5.31	5.31	5.31	5.31	5.31	5.30	5.35
180	5.08	5.07	5.07	5.10	5.00	4.97	5.16	5.01	5.11	5.04	5.01	5.03	5.08	5.07	5.07	5.07	5.09	5.01	5.02

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 07 April 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.4769A P:122.31W PF:0.9954 Freq:60.00Hz Lamp Flux:13800x1 lm		
NAME: Direct Linear Ambient Luminaires	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	3852	3851	3848	3849	3846														
5	3846	3844	3839	3834	3828														
10	3809	3804	3798	3790	3780														
15	3741	3734	3724	3714	3703														
20	3644	3634	3622	3608	3595														
25	3521	3510	3491	3474	3456														
30	3374	3356	3334	3310	3289														
35	3202	3181	3152	3123	3096														
40	3011	2987	2949	2908	2875														
45	2803	2770	2724	2676	2633														
50	2580	2540	2484	2421	2366														
55	2346	2298	2229	2149	2080														
60	2106	2048	1965	1865	1778														
65	1864	1796	1695	1572	1459														
70	1627	1548	1428	1279	1133														
75	1400	1313	1172	995	812														
80	1186	1091	939	735	517														
85	990	891	731	517	273														
90	812	714	555	345	122														
95	655	561	411	225	52.9														
100	520	433	301	147	24.4														
105	407	332	221	91.7	12.9														
110	318	254	154	63.5	7.21														
115	243	175	110	42.7	4.33														
120	163	133	80.4	27.6	3.28														
125	130	99.2	56.1	17.7	3.07														
130	95.5	70.3	37.4	11.1	3.30														
135	66.1	47.2	23.9	7.27	3.62														
140	43.6	29.8	14.7	5.42	3.91														
145	26.3	18.0	9.20	4.80	4.23														
150	15.0	10.6	6.47	4.74	4.55														
155	8.65	6.99	5.46	4.96	4.80														
160	6.02	5.65	5.31	5.23	5.11														
165	5.49	5.49	5.46	5.39	5.28														
170	5.43	5.49	5.46	5.39	5.33														
175	5.25	5.38	5.38	5.30	5.24														
180	5.14	5.04	5.09	5.02	5.00														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.0DEG  
 Operators: Alan Wang  
 Test Date: 07 April 2022

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.416  
 Humidity: 44.6%  
 Test Distance: 2.500m [K=1.0477]  
 Remarks: