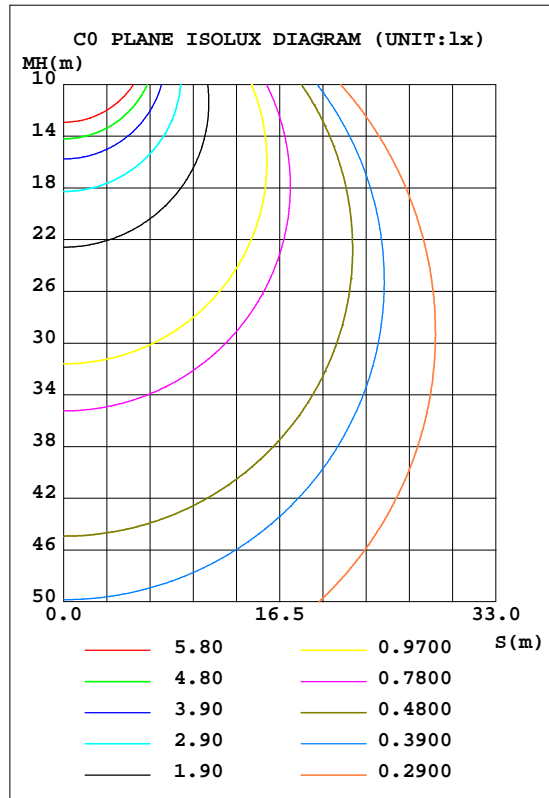
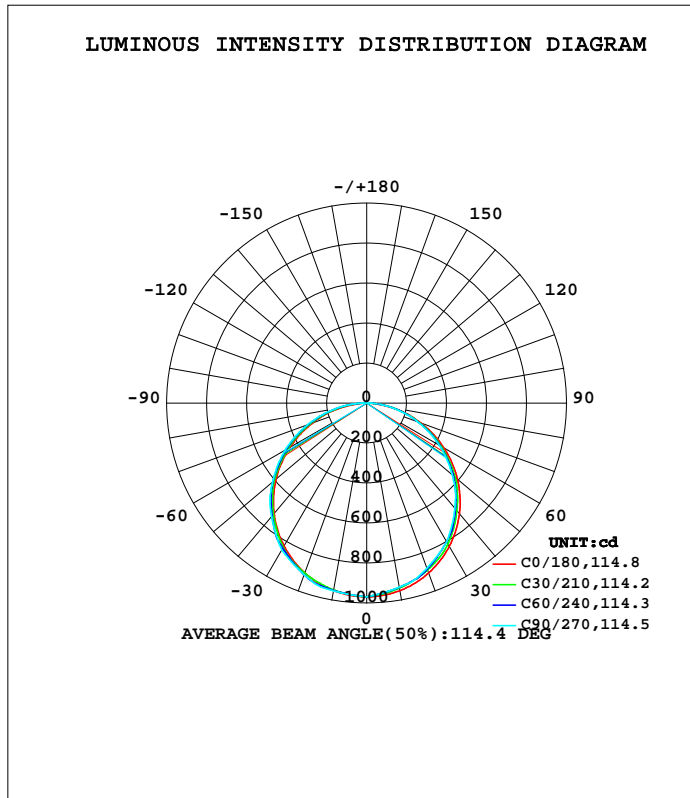


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120V I:0.2250A P:27W PF:0.9874 Lamp Flux:3105x1 lm		
NAME: ASD-ELP02-14D2740-STD	TYPE:LED PANEL	WEIGHT:
SPEC.:	DIM.: 1213x301mm	SERIAL No.:BLD20171213P01
MFR.: ASD Lighting corp	SUR.:0.256*1.17	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115 lm/W			
MODEL	ASD-ELP02-14D2740-STD	I <sub>max</sub> (cd)	968.8	S/MH(C0/180)	1.27
NOMINAL POWER(W)	27	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)		TOTAL FLUX(lm)	3105	η UP, DN(C0-180)	0.0,48.6
NOMINAL FLUX(lm)	3105	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,51.4
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)		η down(%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:22DEG  
 Operators:HUA  
 Test Date:2017-12-13

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.350  
 Humidity:43%  
 Test Distance:12.218m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	964.8	955.0	952.1	954.9	964.7	961.3	961.3	961.4	0- 5	23.02	23.02	0.81,0.81
10	952.8	937.4	935.3	936.9	952.5	949.8	953.8	950.2	5- 10	68.09	91.11	3.2,3.2
15	932.8	916.1	916.4	915.3	932.4	934.4	943.8	935.0	10- 15	111.1	202.2	7.09,7.09
20	905.0	890.5	879.6	889.2	904.3	914.2	914.0	915.1	15- 20	150.5	352.7	12.4,12.4
25	869.6	849.7	840.5	848.3	868.8	877.2	881.8	878.5	20- 25	184.7	537.4	18.8,18.8
30	827.3	802.8	801.4	801.5	826.2	834.0	849.5	835.3	25- 30	213.1	750.5	26.3,26.3
35	778.2	753.9	744.2	752.5	776.7	788.2	795.3	789.6	30- 35	234.7	985.2	34.6,34.6
40	722.5	701.0	686.9	699.5	720.9	738.0	741.0	739.5	35- 40	248.2	1233	43.3,43.3
45	660.2	635.0	628.4	633.1	658.9	671.9	685.0	673.9	40- 45	253.8	1487	52.2,52.2
50	593.0	568.4	559.6	566.3	591.9	605.2	615.1	607.7	45- 50	251.3	1738	61,61
55	521.1	500.7	489.4	498.1	519.3	537.2	543.5	540.2	50- 55	240.3	1979	69.4,69.4
60	445.1	424.9	419.3	422.2	443.5	458.5	471.8	460.8	55- 60	221.7	2200	77.2,77.2
65	366.5	349.7	344.0	347.2	365.2	380.8	392.3	382.9	60- 65	196.5	2397	84.1,84.1
70	286.6	274.5	268.9	271.9	285.6	302.3	312.7	304.2	65- 70	165.4	2562	89.9,89.9
75	207.5	199.1	194.6	196.3	206.5	222.5	232.7	224.6	70- 75	130.0	2692	94.4,94.4
80	120.3	126.2	122.9	123.4	120.4	144.6	152.6	146.5	75- 80	91.54	2784	97.6,97.6
85	36.37	57.67	55.03	55.41	35.63	66.98	72.33	67.89	80- 85	51.95	2836	99.5,99.5
90	0.7112	5.604	7.842	4.777	1.221	6.144	12.48	6.107	85- 90	14.86	2851	100,100
95	0	0	0	0	0	0	0	0	90- 95	0.6516	2851	100,100
100	0	0	0	0	0	0	0	0	95-100	0	2851	100,100
105	0	0	0	0	0	0	0	0	100-105	0	2851	100,100
110	0	0	0	0	0	0	0	0	105-110	0	2851	100,100
115	0	0	0	0	0	0	0	0	110-115	0	2851	100,100
120	0	0	0	0	0	0	0	0	115-120	0	2851	100,100
125	0	0	0	0	0	0	0	0	120-125	0	2851	100,100
130	0	0	0	0	0	0	0	0	125-130	0	2851	100,100
135	0	0	0	0	0	0	0	0	130-135	0	2851	100,100
140	0	0	0	0	0	0	0	0	135-140	0	2851	100,100
145	0	0	0	0	0	0	0	0	140-145	0	2851	100,100
150	0	0	0	0	0	0	0	0	145-150	0	2851	100,100
155	0	0	0	0	0	0	0	0	150-155	0	2851	100,100
160	0	0	0	0	0	0	0	0	155-160	0	2851	100,100
165	0	0	0	0	0	0	0	0	160-165	0	2851	100,100
170	0	0	0	0	0	0	0	0	165-170	0	2851	100,100
175	0	0	0	0	0	0	0	0	170-175	0	2851	100,100
180	0	0	0	0	0	0	0	0	175-180	0	2851	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1487.1 lm

%lum = 52.2%  
%lamp = 52.2%

Conical surface Flux(120deg): 2200.4 lm

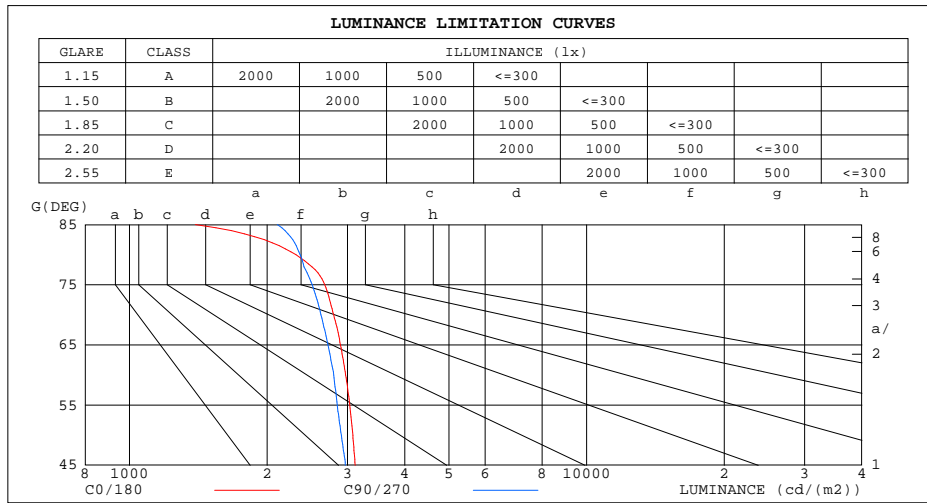
%lum = 77.2%  
%lamp = 77.2%

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:22DEG  
Operators:HUA  
Test Date:2017-12-13

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.350  
Humidity:43%  
Test Distance:12.218m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120V I:0.2250A P:27W PF:0.9874 Lamp Flux:3105x1 lm		
NAME: ASD-ELP02-14D2740-STD	TYPE:LED PANEL	WEIGHT:
SPEC.:	DIM.: 1213x301mm	SERIAL No.:BLD20171213P01
MFR.: ASD Lighting corp	SUR.:0.256*1.17	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1393	2108
80	2312	2363
75	2676	2511
70	2798	2625
65	2896	2718
60	2972	2800
55	3033	2849
50	3080	2907
45	3117	2967

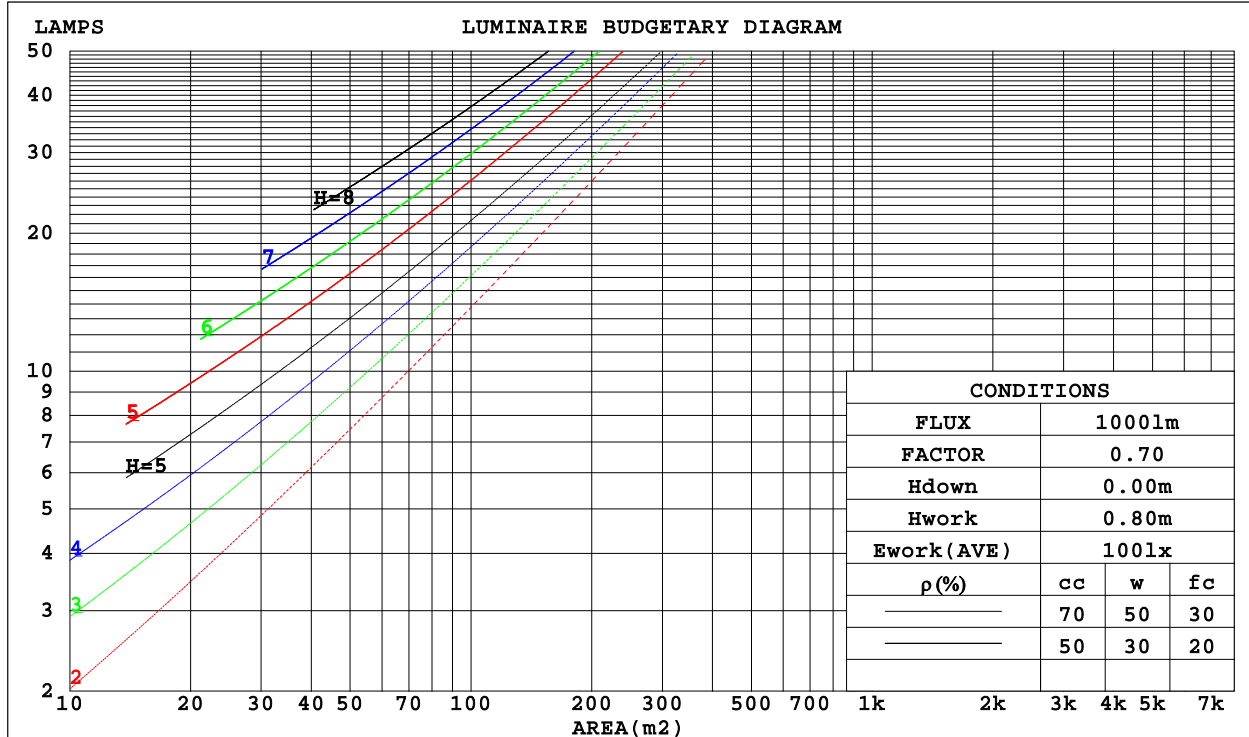
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:22DEG  
 Operators:HUA  
 Test Date:2017-12-13

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.350  
 Humidity:43%  
 Test Distance:12.218m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120V I:0.2250A P:27W PF:0.9874 Lamp Flux:3105x1 lm		
NAME: ASD-ELP02-14D2740-STD	TYPE:LED PANEL	WEIGHT:
SPEC.:	DIM.: 1213x301mm	SERIAL No.:BLD20171213P01
MFR.: ASD Lighting corp	SUR.:0.256*1.17	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.03	.99	.95	1.01	.97	.93	.97	.93	.90	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.68
3.0	.79	.70	.63	.77	.69	.63	.74	.67	.62	.71	.65	.61	.69	.64	.60	.57
4.0	.69	.60	.54	.68	.60	.53	.66	.58	.52	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.50	.44	.39	.37
7.0	.50	.42	.35	.50	.41	.35	.48	.40	.35	.47	.40	.35	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.36	.29	.25	.23



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:22DEG  
 Operators:HUA  
 Test Date:2017-12-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.350  
 Humidity:43%  
 Test Distance:12.218m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:120V I:0.2250A P:27W PF:0.9874 Lamp Flux:3105x1 lm		
NAME: ASD-ELP02-14D2740-STD	TYPE:LED PANEL	WEIGHT:
SPEC.:	DIM.: 1213x301mm	SERIAL No.:BLD20171213P01
MFR.: ASD Lighting corp	SUR.:0.256*1.17	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	.320	.182	.058	.313	.178	.057	.299	.172	.055	.287	.166	.053	.276	.160	.052	
2.0	.299	.164	.050	.292	.161	.050	.281	.156	.048	.270	.151	.047	.260	.147	.046	
3.0	.275	.146	.044	.270	.144	.043	.259	.140	.043	.250	.137	.042	.241	.133	.041	
4.0	.253	.132	.039	.248	.130	.038	.239	.127	.038	.230	.124	.037	.222	.121	.037	
5.0	.233	.119	.034	.229	.118	.034	.221	.115	.034	.213	.113	.033	.206	.110	.033	
6.0	.216	.108	.031	.212	.107	.031	.205	.105	.031	.198	.103	.030	.192	.101	.030	
7.0	.201	.099	.028	.197	.098	.028	.191	.097	.028	.185	.095	.028	.179	.093	.027	
8.0	.187	.092	.026	.184	.091	.026	.178	.089	.025	.173	.088	.025	.168	.086	.025	
9.0	.175	.085	.024	.173	.084	.024	.167	.083	.023	.163	.081	.023	.158	.080	.023	
10.0	.165	.079	.022	.162	.078	.022	.158	.077	.022	.153	.076	.022	.149	.075	.022	

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																
1.0	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
2.0	.173	.132	.097	.148	.114	.084	.102	.079	.059	.059	.046	.034	.019	.015	.011	
3.0	.166	.115	.074	.142	.099	.064	.098	.069	.045	.056	.040	.026	.018	.013	.009	
4.0	.158	.101	.058	.136	.087	.050	.093	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.151	.091	.047	.129	.079	.041	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.143	.083	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.076	.033	.117	.066	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.029	.112	.061	.025	.077	.043	.018	.045	.025	.011	.015	.008	.003	
9.0	.124	.065	.025	.107	.056	.022	.074	.040	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.061	.022	.102	.053	.020	.071	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:22DEG  
 Operators:HUA  
 Test Date:2017-12-13

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.350  
 Humidity:43%  
 Test Distance:12.218m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120V I:0.2250A P:27W PF:0.9874 Lamp Flux:3105x1 lm										
NAME: ASD-ELP02-14D2740-STD					TYPE:LED PANEL			WEIGHT:		
SPEC.:					DIM.: 1213x301mm			SERIAL No.:BLD20171213P01		
MFR.: ASD Lighting corp					SUR.:0.256*1.17			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	16.6	18.2	16.9	18.4	18.6	16.4	17.9	16.7	18.1	18.3
3H 4H 6H 8H 12H	18.2	19.7	18.5	19.9	20.1	18.0	19.4	18.3	19.6	19.9
	18.9	20.3	19.2	20.5	20.8	18.6	20.0	19.0	20.3	20.5
4H 2H	19.4	20.7	19.7	20.9	21.2	19.2	20.4	19.5	20.7	21.0
3H 4H 6H 8H	19.5	20.7	19.8	21.0	21.3	19.3	20.6	19.7	20.9	21.1
12H	19.5	20.7	19.9	21.0	21.3	19.4	20.6	19.8	20.9	21.2
8H 4H	17.2	18.6	17.5	18.8	19.1	17.0	18.4	17.4	18.7	18.9
6H 8H 12H	19.0	20.2	19.4	20.5	20.8	18.8	20.0	19.2	20.3	20.6
	19.8	20.9	20.2	21.3	21.6	19.6	20.7	20.0	21.0	21.4
12H 4H	20.4	21.4	20.8	21.8	22.1	20.3	21.2	20.7	21.6	22.0
	20.6	21.5	21.1	21.9	22.3	20.5	21.4	20.9	21.8	22.2
	20.7	21.6	21.2	22.0	22.4	20.7	21.5	21.1	21.9	22.3
	20.1	21.0	20.5	21.4	21.8	19.9	20.8	20.3	21.2	21.6
	20.9	21.7	21.4	22.1	22.5	20.7	21.5	21.2	21.9	22.3
	21.2	21.9	21.7	22.3	22.8	21.1	21.7	21.5	22.2	22.6
	21.4	22.0	21.9	22.4	22.9	21.3	21.9	21.8	22.4	22.8
	20.1	21.0	20.6	21.4	21.8	20.0	20.8	20.4	21.2	21.6
	21.0	21.7	21.4	22.1	22.5	20.8	21.5	21.3	21.9	22.4
	21.3	21.9	21.8	22.4	22.8	21.2	21.8	21.7	22.2	22.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.1 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.3				

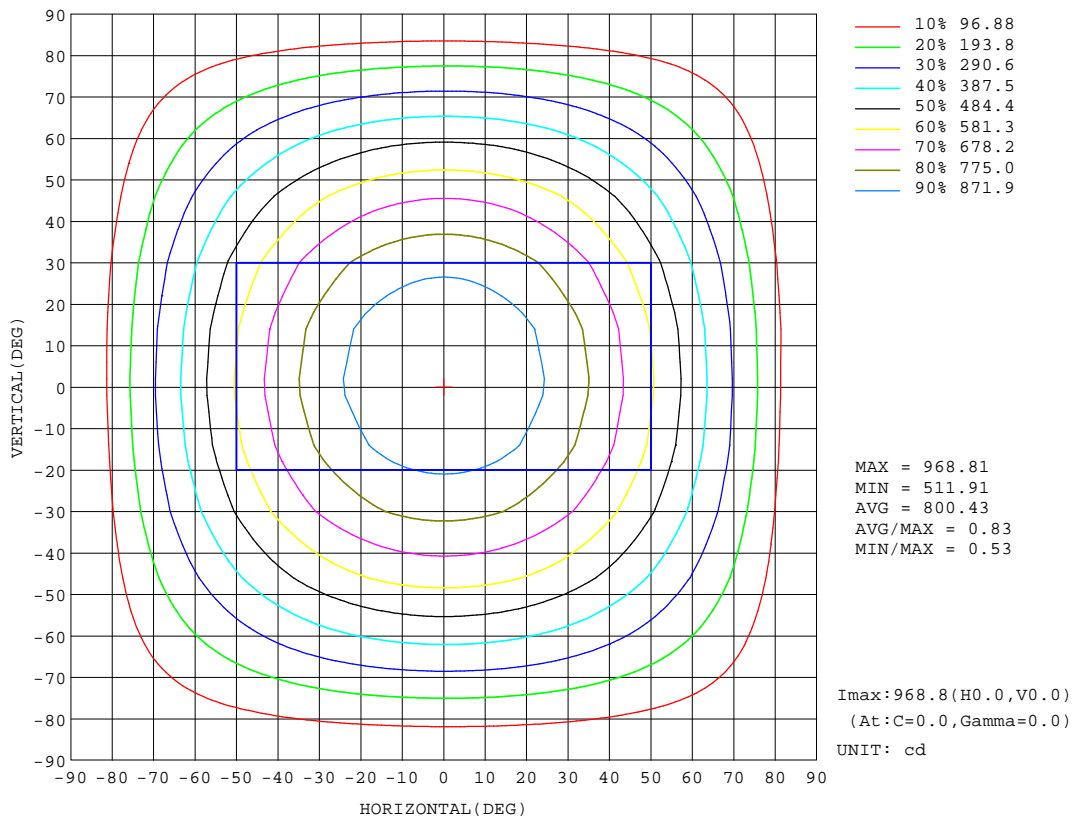
CIE Pub.117 Corrected 2851 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.6)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:22DEG  
 Operators:HUA  
 Test Date:2017-12-13

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.350  
 Humidity:43%  
 Test Distance:12.218m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120V I:0.2250A P:27W PF:0.9874 Lamp Flux:3105x1 lm		
NAME: ASD-ELP02-14D2740-STD	TYPE:LED PANEL	WEIGHT:
SPEC.:	DIM.: 1213x301mm	SERIAL No.:BLD20171213P01
MFR.: ASD Lighting corp	SUR.:0.256*1.17	Shielding Angle:



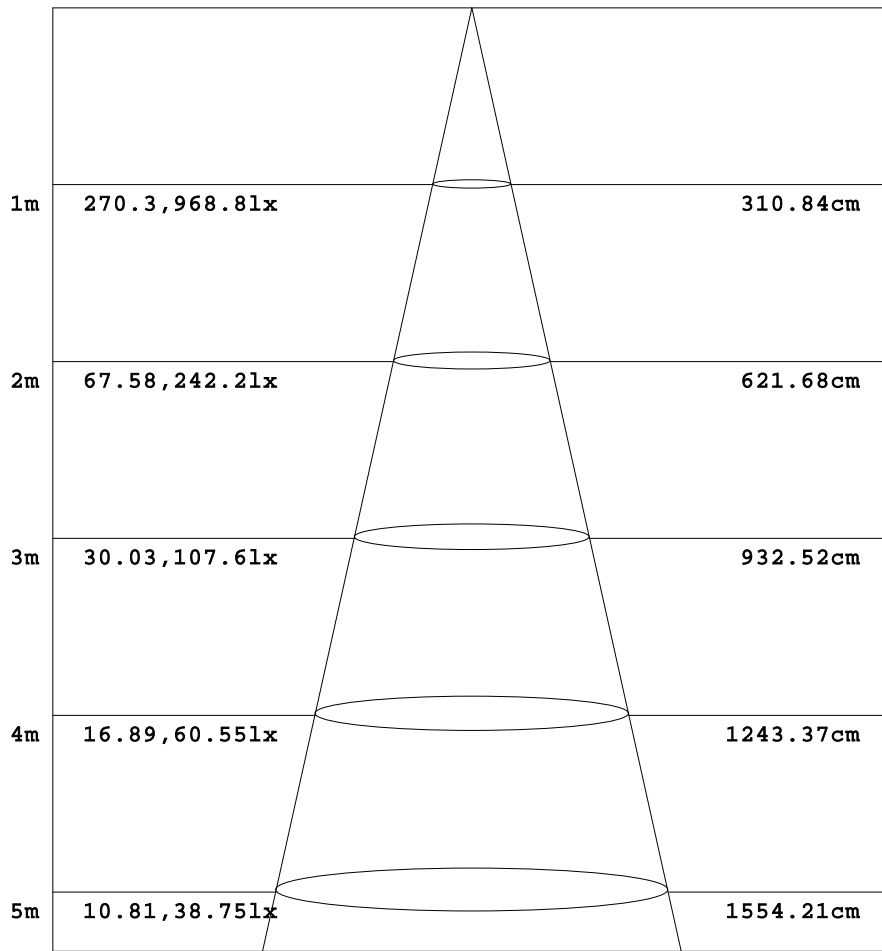
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:22DEG  
 Operators:HUA  
 Test Date:2017-12-13

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.350  
 Humidity:43%  
 Test Distance:12.218m [K=1.0000]  
 Remarks:

AAI Figure

Test:U:120V I:0.2250A P:27W PF:0.9874 Lamp Flux:3105x1 lm		
NAME: ASD-ELP02-14D2740-STD	TYPE:LED PANEL	WEIGHT:
SPEC.:	DIM.: 1213x301mm	SERIAL No.:BLD20171213P01
MFR.: ASD Lighting corp	SUR.:0.256*1.17	Shielding Angle:

Flux out:2092 lm



Height                      Eavg, Emax                      Angle:114.48deg                      Diameter

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

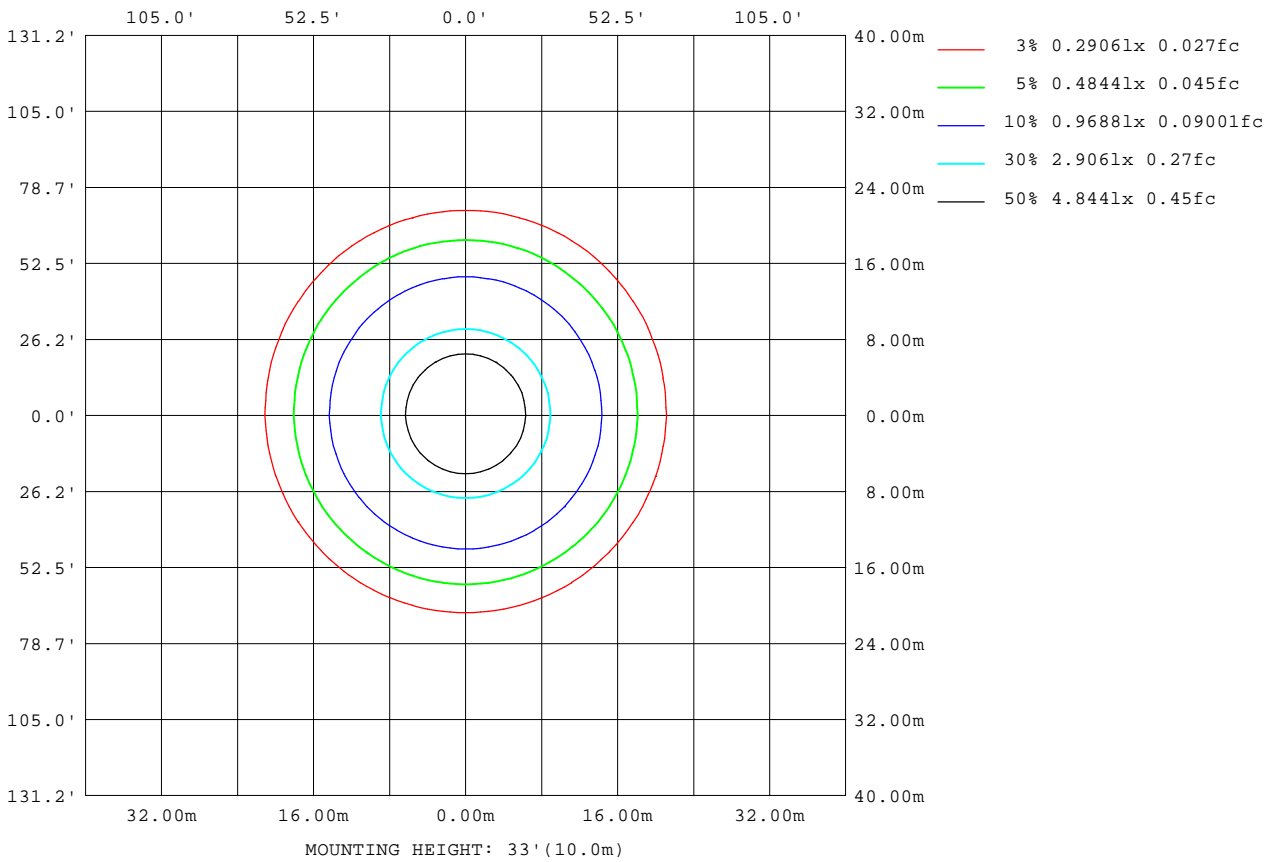
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:22DEG  
 Operators:HUA  
 Test Date:2017-12-13

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.350  
 Humidity:43%  
 Test Distance:12.218m [K=1.0000]  
 Remarks:



ISOLUX DIAGRAM

Test:U:120V I:0.2250A P:27W PF:0.9874 Lamp Flux:3105x1 lm		
NAME: ASD-ELP02-14D2740-STD	TYPE:LED PANEL	WEIGHT:
SPEC.:	DIM.: 1213x301mm	SERIAL No.:BLD20171213P01
MFR.: ASD Lighting corp	SUR.:0.256*1.17	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:22DEG  
 Operators:HUA  
 Test Date:2017-12-13

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.350  
 Humidity:43%  
 Test Distance:12.218m [K=1.0000]  
 Remarks:

## LED Avg.L Report

Test:U:120V I:0.2250A P:27W PF:0.9874 Lamp Flux:3105x1 lm		
NAME: ASD-ELP02-14D2740-STD	TYPE:LED PANEL	WEIGHT:
SPEC.:	DIM.: 1213x301mm	SERIAL No.:BLD20171213P01
MFR.: ASD Lighting corp	SUR.:0.256*1.17	Shielding Angle:

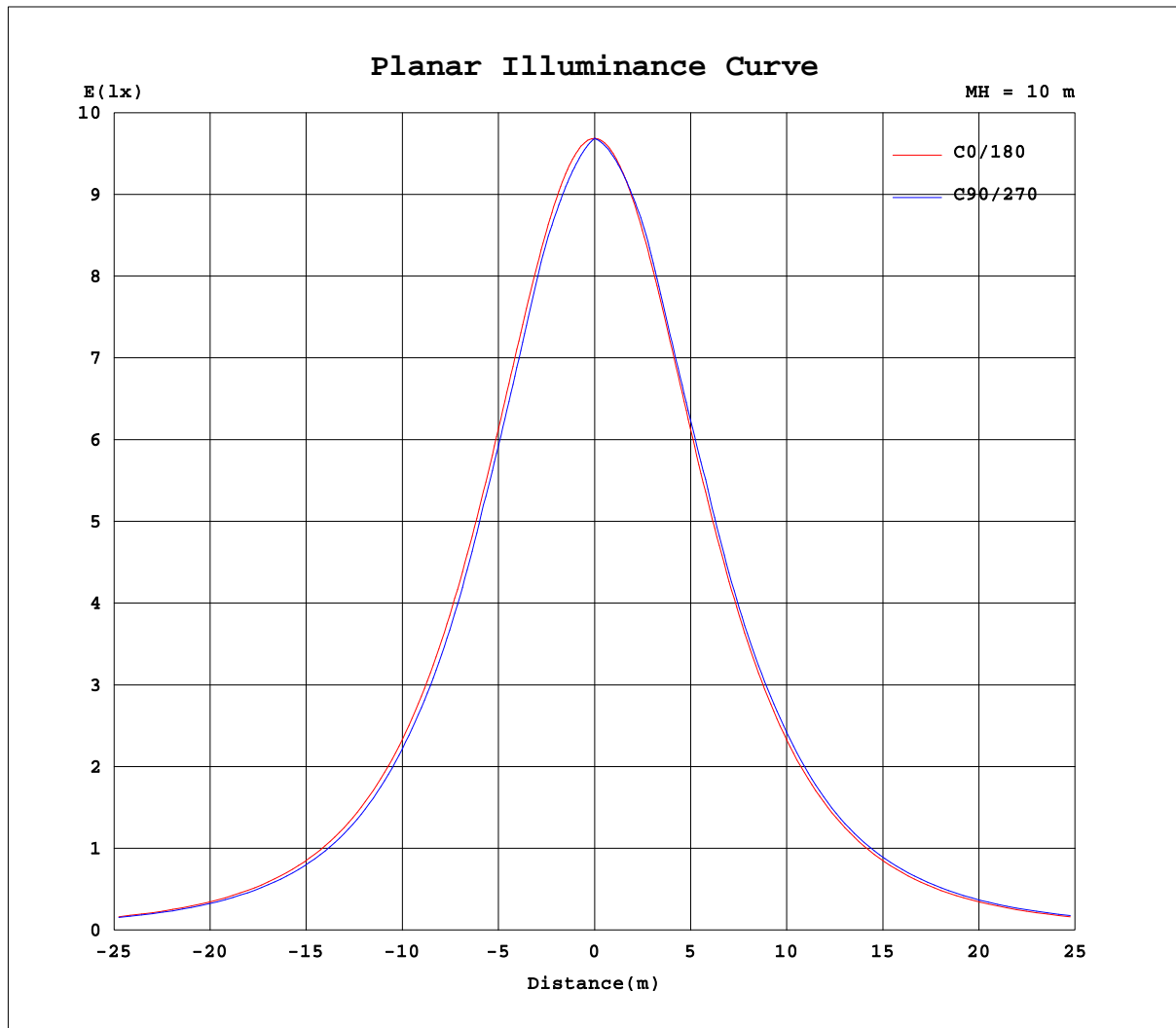
AvgL	cd/m2
L_0~180(65)av	2891
L_0~180(75)av	2670
L_0~180(85)av	1379
L_90~270(65)av	2909
L_90~270(75)av	2756
L_90~270(85)av	2440
L_45(65)av	2885
L_45(75)av	2717
L_45(85)av	2375

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:22DEG  
 Operators:HUA  
 Test Date:2017-12-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.350  
 Humidity:43%  
 Test Distance:12.218m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 22DEG  
 Operators: HUA  
 Test Date: 2017-12-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.350  
 Humidity: 43%  
 Test Distance: 12.218m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120V I:0.2250A P:27W PF:0.9874 Lamp Flux:3105x1 lm		
NAME: ASD-ELP02-14D2740-STD	TYPE:LED PANEL	WEIGHT:
SPEC.:	DIM.: 1213x301mm	SERIAL No.:BLD20171213P01
MFR.: ASD Lighting corp	SUR.:0.256*1.17	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969
5	965	963	962	961	960	958	957	957	956	955	954	954	953	953	953	952	952	952	952
10	953	950	948	945	943	942	940	939	938	937	937	936	936	936	936	935	935	935	935
15	933	929	925	923	920	919	917	917	916	916	916	916	917	917	917	917	917	916	916
20	905	900	896	893	891	890	889	889	890	890	889	887	885	883	882	881	880	880	880
25	870	864	859	857	855	855	856	856	853	850	847	845	843	842	842	841	841	841	840
30	827	821	816	814	814	816	814	809	805	803	801	801	800	800	801	801	801	801	801
35	778	771	767	766	768	766	760	756	754	754	754	755	752	749	747	746	745	744	744
40	722	715	712	712	713	706	702	701	701	701	697	694	691	690	689	688	687	687	687
45	660	653	651	653	647	643	642	644	639	635	633	631	630	630	630	630	629	629	628
50	593	586	586	585	579	578	578	573	570	568	569	568	567	565	563	561	560	560	560
55	521	514	516	511	509	509	504	501	501	501	498	496	494	493	492	491	490	490	489
60	445	439	440	435	436	431	430	430	427	425	423	422	421	421	420	420	420	420	419
65	367	362	360	360	356	355	355	352	351	350	349	349	348	347	346	345	345	344	344
70	287	285	282	280	280	278	276	276	276	274	274	273	272	271	271	270	270	269	269
75	207	204	202	203	202	202	201	201	200	199	199	198	197	197	196	196	195	195	195
80	120	117	121	125	127	128	128	128	127	126	125	125	124	124	124	124	123	123	123
85	36.4	41.5	50.9	56.3	58.3	58.8	59.1	58.7	58.2	57.7	57.1	56.7	56.3	55.8	55.5	55.3	55.2	55.1	55.0
90	0.71	1.98	2.52	3.17	3.69	4.15	4.51	4.91	5.30	5.60	5.94	6.35	6.66	6.91	7.13	7.40	7.61	7.78	7.84
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:22DEG  
 Operators:HUA  
 Test Date:2017-12-13

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.350  
 Humidity:43%  
 Test Distance:12.218m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120V I:0.2250A P:27W PF:0.9874 Lamp Flux:3105x1 lm		
NAME: ASD-ELP02-14D2740-STD	TYPE:LED PANEL	WEIGHT:
SPEC.:	DIM.: 1213x301mm	SERIAL No.:BLD20171213P01
MFR.: ASD Lighting corp	SUR.:0.256*1.17	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969
5	952	952	952	953	953	953	954	954	955	956	956	957	958	959	961	962	963	965	964
10	935	935	935	935	936	936	936	936	937	938	939	940	941	943	945	947	950	953	951
15	916	916	917	917	917	916	916	915	915	915	916	917	918	920	922	925	928	932	931
20	880	880	880	881	883	884	886	888	889	889	888	888	889	890	892	895	899	904	902
25	841	841	841	841	841	842	844	846	848	852	854	854	853	854	855	858	863	869	866
30	801	801	801	800	800	799	799	800	801	803	807	812	813	812	812	815	819	826	823
35	744	745	745	747	749	751	754	753	752	753	754	758	763	765	764	765	769	777	773
40	687	687	687	688	689	690	692	695	700	700	699	700	703	709	709	709	713	721	717
45	628	628	629	629	629	629	629	631	633	637	642	640	641	644	649	648	651	659	655
50	559	560	560	561	563	565	566	566	566	568	571	576	576	576	581	583	584	592	588
55	489	489	490	490	491	492	494	496	498	498	499	502	506	506	508	513	512	519	516
60	419	419	419	419	419	419	420	421	422	424	427	427	429	434	433	437	437	443	441
65	344	344	344	344	345	346	347	347	347	348	349	352	353	354	358	358	360	365	364
70	269	269	269	269	269	270	270	271	272	273	273	274	275	277	278	279	282	286	286
75	194	194	194	195	195	195	195	196	196	197	198	199	199	199	200	200	201	207	206
80	123	122	122	122	122	122	122	123	123	124	124	125	124	124	122	118	115	120	123
85	54.8	54.4	54.1	54.0	54.1	54.3	54.7	55.0	55.4	55.7	56.0	55.9	55.2	54.6	52.5	47.7	38.6	35.6	41.6
90	7.69	7.30	6.86	6.45	6.08	5.77	5.46	5.12	4.78	4.44	4.13	3.77	3.35	2.94	2.42	1.91	1.57	1.22	0.90
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:22DEG  
 Operators:HUA  
 Test Date:2017-12-13

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.350  
 Humidity:43%  
 Test Distance:12.218m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120V I:0.2250A P:27W PF:0.9874 Lamp Flux:3105x1 lm		
NAME: ASD-ELP02-14D2740-STD	TYPE:LED PANEL	WEIGHT:
SPEC.:	DIM.: 1213x301mm	SERIAL No.:BLD20171213P01
MFR.: ASD Lighting corp	SUR.:0.256*1.17	Shielding Angle:

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969
5	963	963	963	962	962	962	961	961	961	961	961	961	961	961	961	961	961	961	961
10	950	950	949	949	949	949	949	950	950	951	951	952	953	953	953	954	954	954	953
15	929	929	929	929	930	931	933	934	936	938	940	941	943	943	943	944	944	944	943
20	901	901	901	903	905	908	911	914	915	915	914	914	914	914	914	914	914	914	914
25	865	866	867	871	875	878	878	877	877	877	878	879	880	880	881	881	882	882	881
30	822	824	827	833	835	833	833	834	836	838	840	842	845	847	848	849	850	849	848
35	773	776	782	784	782	783	785	788	792	797	796	795	795	795	795	795	795	795	795
40	718	723	727	725	726	729	735	738	737	736	737	737	738	739	740	741	741	741	741
45	657	663	663	663	667	674	672	672	673	674	677	679	681	683	684	685	685	685	685
50	592	595	595	599	604	602	603	605	609	612	614	614	614	614	614	615	615	615	615
55	522	521	524	529	528	530	534	537	538	538	539	540	541	542	543	543	543	544	543
60	445	445	451	450	453	457	458	459	460	462	464	466	468	469	471	471	472	472	471
65	365	370	370	373	376	376	378	381	384	386	388	389	390	391	391	392	392	392	392
70	287	288	291	293	295	298	301	302	304	306	307	309	310	311	312	312	313	313	313
75	208	210	211	214	217	219	221	222	224	226	228	229	230	231	232	232	233	233	233
80	124	128	133	136	139	141	143	145	146	148	149	150	150	151	152	152	153	153	153
85	50.8	56.7	60.6	63.0	64.3	65.2	66.1	67.0	67.9	68.8	69.5	70.1	70.6	71.3	71.9	72.3	72.3	72.1	71.7
90	0.90	0.90	1.22	2.05	2.93	3.84	4.98	6.14	7.30	8.41	9.36	10.1	10.8	11.5	12.1	12.5	12.5	12.2	11.7
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:22DEG  
 Operators:HUA  
 Test Date:2017-12-13

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.350  
 Humidity:43%  
 Test Distance:12.218m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120V I:0.2250A P:27W PF:0.9874 Lamp Flux:3105x1 lm		
NAME: ASD-ELP02-14D2740-STD	TYPE:LED PANEL	WEIGHT:
SPEC.:	DIM.: 1213x301mm	SERIAL No.:BLD20171213P01
MFR.: ASD Lighting corp	SUR.:0.256*1.17	Shielding Angle:

Table--4

UNIT: cd

C( DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969				
5	961	961	961	961	961	961	961	962	962	962	962	963	963	964	964				
10	953	953	952	952	951	951	950	950	949	949	949	949	950	951	952				
15	943	943	942	940	939	937	935	933	932	931	930	929	929	930	931				
20	914	914	914	915	916	916	915	913	909	906	904	902	902	902	903				
25	881	880	879	879	878	878	878	880	879	876	872	869	867	866	867				
30	847	845	843	841	839	837	835	835	835	837	835	830	826	824	824				
35	795	796	796	797	798	793	790	787	785	785	787	784	779	775	775				
40	740	739	738	738	738	738	740	736	731	728	728	730	726	720	719				
45	685	683	681	678	676	675	674	674	676	669	665	665	666	660	657				
50	615	616	616	616	615	611	608	605	604	605	600	597	598	594	590				
55	543	542	542	541	540	540	540	536	532	530	531	526	524	525	518				
60	471	469	468	466	464	462	461	460	460	455	452	453	447	448	443				
65	392	392	391	390	388	386	383	380	379	378	375	372	372	368	366				
70	312	312	311	309	308	306	304	302	299	297	295	294	290	288	288				
75	233	232	231	230	228	226	225	223	220	218	216	213	212	209	208				
80	152	152	151	150	149	148	146	145	143	141	138	135	130	126	123				
85	71.1	70.6	70.1	69.6	68.9	68.4	67.9	67.4	66.9	66.4	65.5	63.4	59.8	53.3	43.7				
90	11.1	10.4	9.75	8.90	8.00	7.07	6.11	5.11	4.13	3.28	2.28	1.37	0.84	0.84	0.84				
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:22DEG  
 Operators:HUA  
 Test Date:2017-12-13

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.350  
 Humidity:43%  
 Test Distance:12.218m [K=1.0000]  
 Remarks: