

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

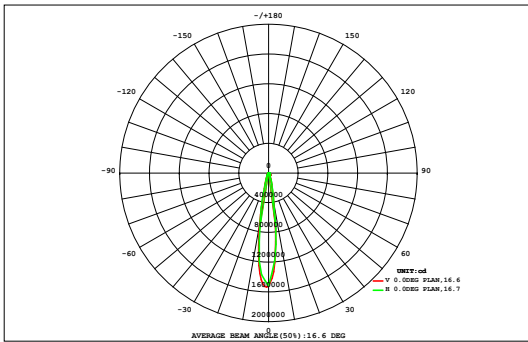
Maximum Intensity		6484.3 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical 1.0 degrees horizontal
Beam Spread	At 10% of I _{max}	34.7V x 34.4H
	At 50% of I _{max}	16.5V x 16.6H
	At 90% of I _{max}	5.5V x 7.2H
Beam Flux	Total	1000.5 lumens per klm.
	To 10% of I _{max}	610.1 lumens per klm.
	To 50% of I _{max}	302.8 lumens per klm.
	To 90% of I _{max}	51.2 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	100.1 %
Luminaire Efficiency (Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2024-11-2

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:482.07V I:3.3301A P:1597.2W PF:0.9949 Freq:50.01Hz		
Lamp Flux:236252x1 lm		
NAME: ASD-SPFL8-1600D50-DMX-DALI	TYPE: 17D	
SPEC.: 1600W 480V		
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:147.92lm/W	
ASD-SPFL8-1600D50-DMX-DALI		Imax (cd)	1531924
NOMINAL POWER (W)	1600	AVAILABILITY (%)	60.8
RATED VOLTAGE (V)	480	Avai. FLUX (lm)	143735
NOMINAL FLUX (lm)	236252	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	236252
TEST VOLTAGE (V)	480	θ @50% (H, V)	17,17DEG

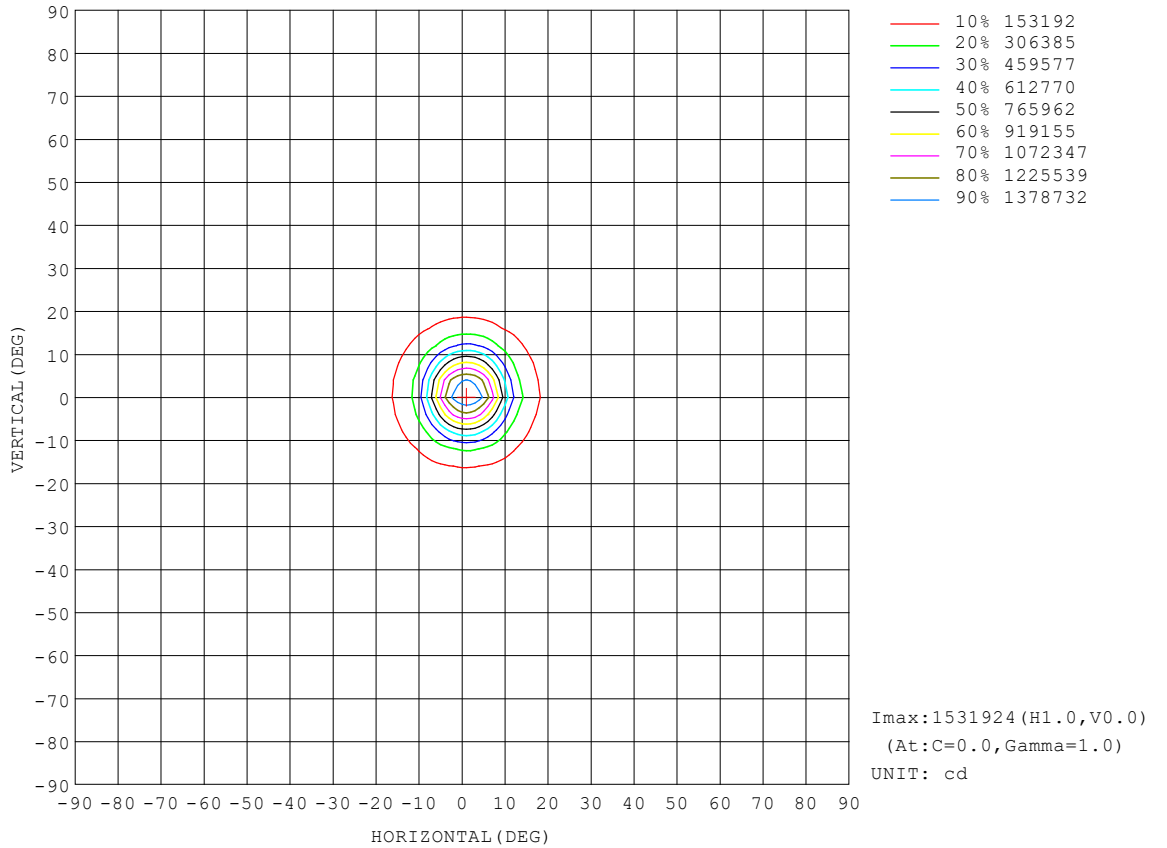
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.03	0.30	1.16	2.76	4.94	7.32	9.52	11.2	12.3	12.4	11.4	9.70	7.51	5.11	2.84	1.19	0.31	0.03	100	0.00
80	0.14	1.88	7.41	17.2	29.5	42.3	53.9	62.7	68.3	68.7	63.8	55.4	43.9	31.1	18.4	8.16	2.19	0.19	575	0.00
70	0.38	4.78	17.0	36.3	59.4	83.0	105	121	132	132	122	105	83.7	59.8	36.4	16.8	4.61	0.35	1119	0.00
60	0.56	7.32	25.5	53.4	88.9	130	181	242	291	295	254	192	137	93.0	56.4	27.3	8.19	0.72	2083	0.00
50	0.99	11.0	35.4	73.5	130	231	379	539	597	603	545	394	240	131	73.4	34.8	10.5	0.88	4029	0.00
40	1.08	12.8	41.4	88.5	188	364	663	915	954	955	907	691	412	210	94.2	43.9	14.1	1.36	6557	0.00
30	1.55	16.0	49.3	112	287	594	985	1451	2053	1994	1348	918	587	304	111	48.2	15.3	1.37	10874	0.00
	1.44	16.4	51.6	132	350	734	1306	3113	7173	7630	3228	1260	748	400	152	54.8	18.0	1.86	26369	14215
	1.83	18.4	56.1	160	431	804	1861	6595	28287	27133	6017	1596	757	437	162	54.8	17.6	1.73	74390	65268
	1.50	17.3	54.1	147	398	780	1665	5480	23249	25264	6247	1674	776	448	173	57.6	19.0	2.08	66453	57030
	1.55	17.7	54.5	137	352	750	1293	2846	5298	4879	2500	1122	723	367	136	53.3	17.1	1.56	20548	7222
-30	0.95	14.1	47.8	104	258	519	925	1232	1623	1638	1233	917	563	299	114	51.2	16.5	1.41	9557	0.00
-40	0.90	12.3	42.9	91.7	183	351	611	872	894	889	849	611	369	183	91.1	43.0	12.5	0.80	6108	0.00
-50	0.55	8.37	32.6	71.9	123	204	328	463	520	526	482	360	223	131	76.9	36.6	10.2	0.72	3598	0.00
-60	0.51	6.42	25.0	55.5	92.2	131	169	212	252	252	213	170	130	92.5	56.1	25.3	6.13	0.44	1890	0.00
-70	0.44	3.99	15.4	36.0	61.2	86.0	108	125	135	136	127	110	88.1	63.5	38.0	16.5	4.15	0.41	1154	0.00
-80	0.69	3.56	9.80	20.9	35.1	49.6	62.6	72.8	79.5	80.3	74.2	63.3	49.5	34.1	19.2	8.21	2.44	0.37	666	0.00
-90	0.42	1.93	3.52	5.91	8.95	12.4	15.9	18.9	21.4	22.3	20.9	17.6	13.4	9.22	5.31	2.84	1.29	0.28	182	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	15.5	175	570	1346	3080	5872	10721	24372	71639	72508	24242	10265	5952	3297	1417	584	180	16.62	36252	---
Φ a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10313	61316	61678	10428	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	143735

one-half-peak spread: U:7.5,D:9.1 , L:8.2,R:8.6 NEMA Beam Type: Type 3

H(β) Range:-90 - 90DEG	V(B) Range:-85 - 85DEG
H(β) Interval: 1.0DEG	V(B) Interval: 2.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Temperature:25.3DEG	Humidity:65.0%
Operators:S	Test Distance:7.850m [K=1.0000]
Test Date:2024-11-2	Remarks:

ISOCANDELA DIAGRAM

Test:U:482.07V I:3.3301A P:1597.2W PF:0.9949 Freq:50.01Hz Lamp Flux:236252x1 lm		
NAME: ASD-SPFL8-1600D50-DMX-DALI	TYPE: 17D	
SPEC.: 1600W 480V		
MFR.: ASD LIGHTING CORP		

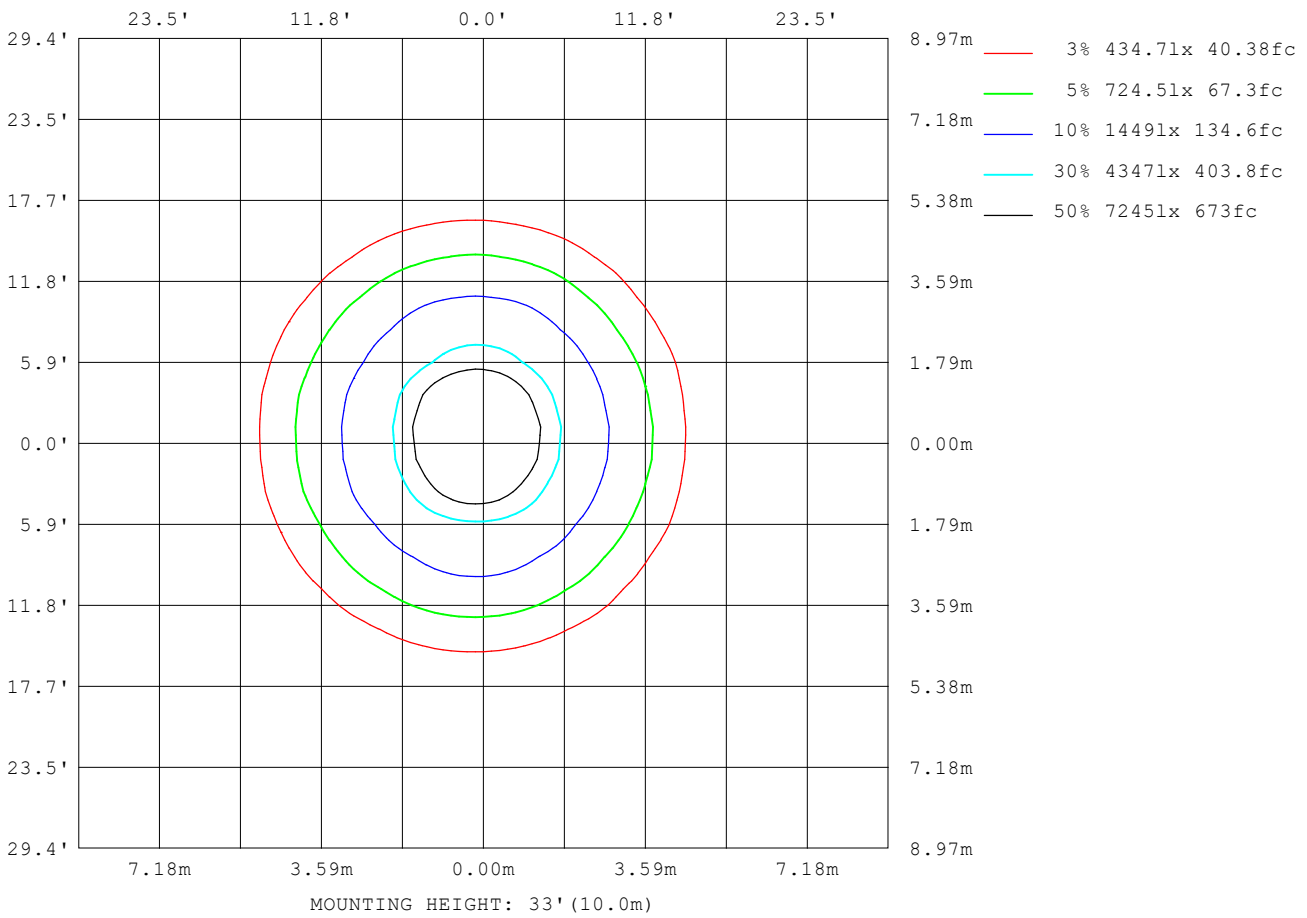


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2024-11-2

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

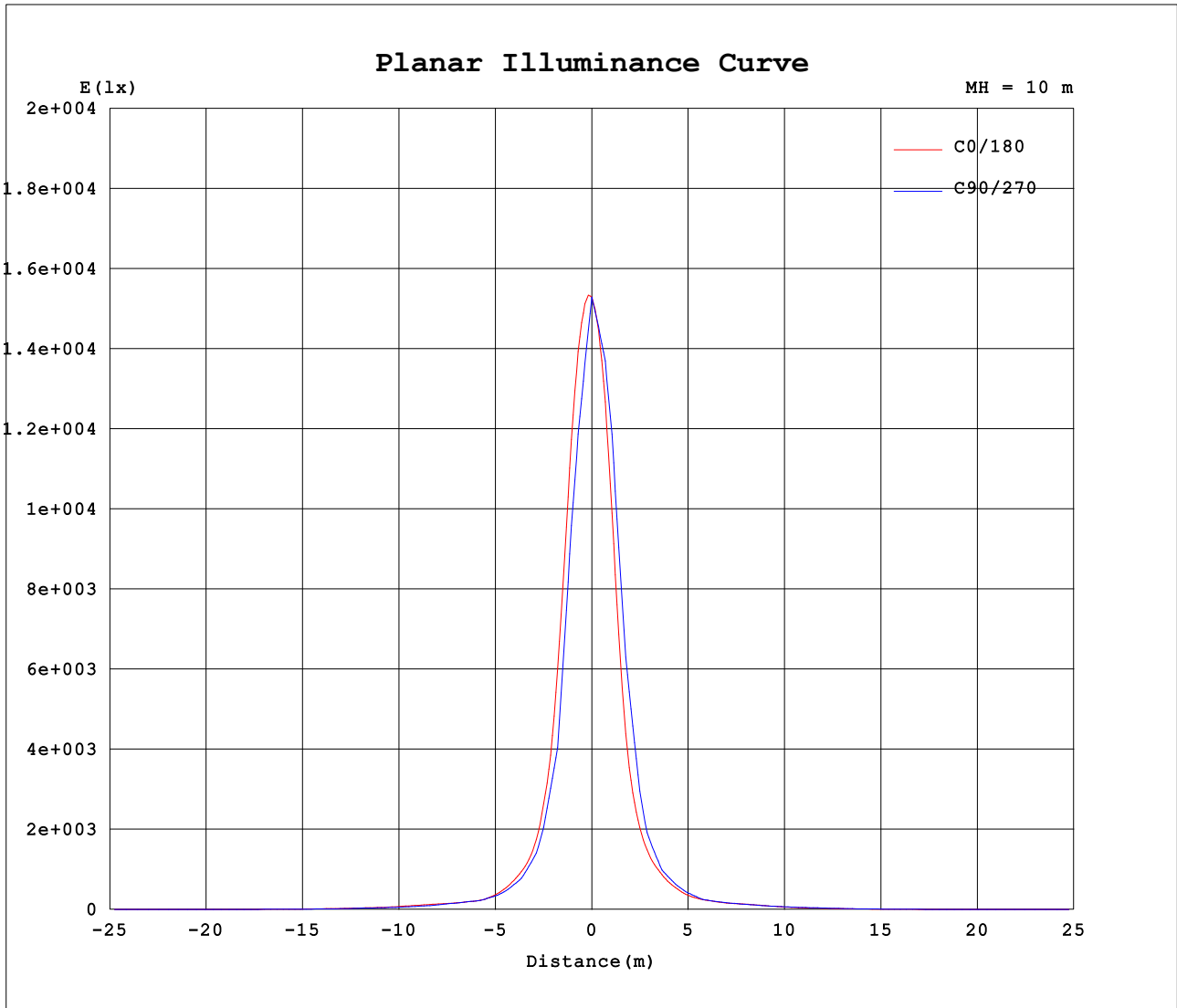
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NAME: ASD-SPFL8-1600D50-DMX-DALI	TYPE: 17D	
SPEC.: 1600W 480V		
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2024-11-2

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

Planar Illuminance Curve

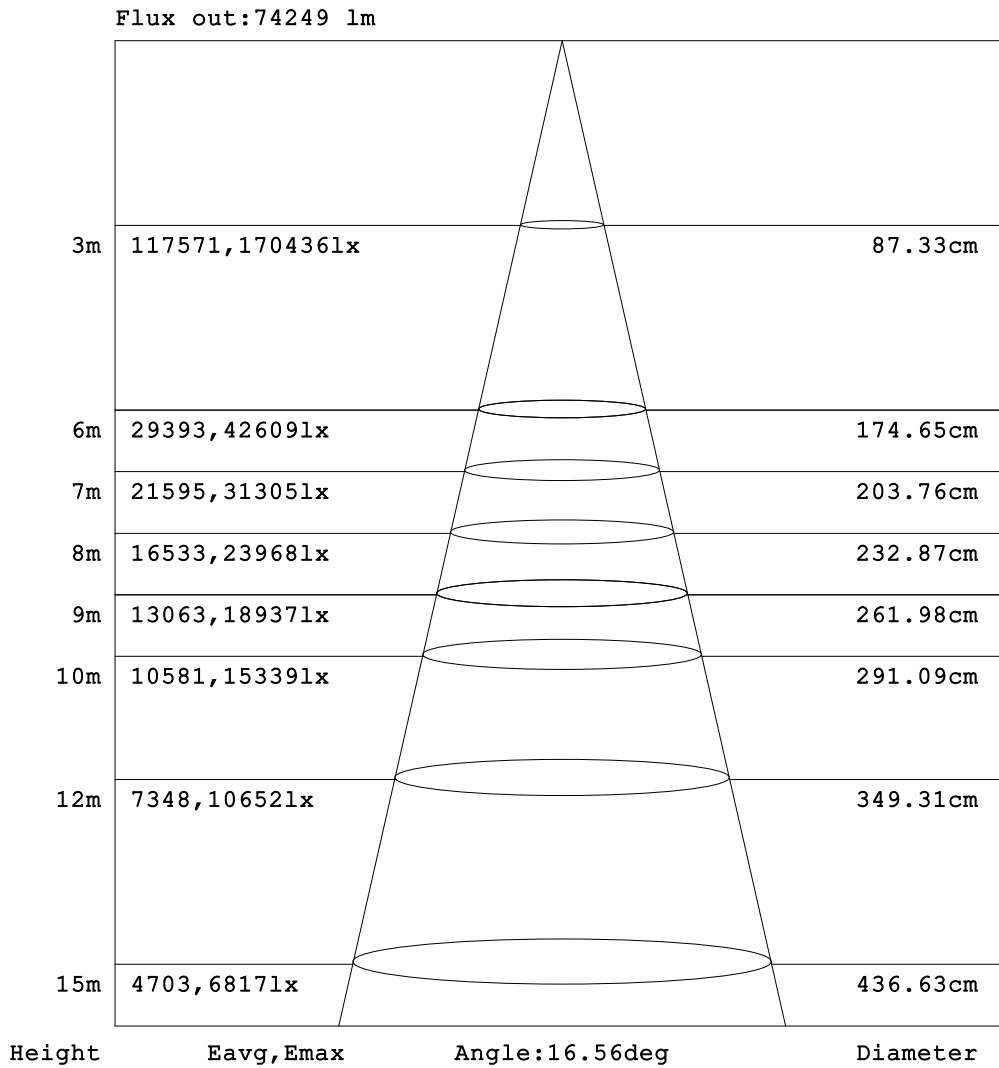


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2024-11-2

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

AAI Figure

Test:U:482.07V I:3.3301A P:1597.2W PF:0.9949 Freq:50.01Hz Lamp Flux:236252x1 lm		
NAME: ASD-SPFL8-1600D50-DMX-DALI	TYPE: 17D	
SPEC.: 1600W 480V		
MFR.: ASD LIGHTING CORP		



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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2024-11-2

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:482.07V I:3.3301A P:1597.2W PF:0.9949 Freq:50.01Hz Lamp Flux:236252x1 lm		
NAME: ASD-SPFL8-1600D50-DMX-DALI	TYPE: 17D	
SPEC.: 1600W 480V		
MFR.: ASD LIGHTING CORP		

Table--1

UNIT: X1000cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	0.12	0.20	0.34	0.42	0.44	0.52	0.62	0.73	0.84	0.96	1.08	1.19	1.29	1.38	1.46	1.53	1.60	1.66	1.70
-75	0.10	0.19	0.32	0.41	0.50	0.65	0.84	1.04	1.25	1.46	1.64	1.80	1.95	2.08	2.19	2.28	2.37	2.44	2.48
-70	0.10	0.19	0.33	0.46	0.69	0.99	1.33	1.67	1.99	2.28	2.54	2.75	2.96	3.12	3.25	3.37	3.47	3.55	3.58
-65	0.07	0.16	0.32	0.52	0.83	1.23	1.66	2.07	2.46	2.81	3.12	3.37	3.60	3.80	3.95	4.09	4.21	4.29	4.32
-60	0.04	0.08	0.23	0.49	0.89	1.39	1.94	2.47	2.97	3.44	3.85	4.20	4.51	4.81	5.06	5.22	5.37	5.52	5.59
-55	0.03	0.08	0.26	0.59	1.07	1.67	2.29	2.89	3.47	3.99	4.48	4.90	5.29	5.66	5.99	6.26	6.54	6.87	7.02
-50	0.03	0.14	0.45	0.95	1.62	2.34	3.06	3.77	4.43	5.08	5.72	6.42	7.20	8.21	9.48	11.0	12.5	13.6	13.9
-45	0.03	0.16	0.53	1.12	1.87	2.65	3.43	4.22	5.00	5.76	6.66	7.90	9.73	12.0	13.7	15.0	15.9	16.3	16.5
-40	0.02	0.09	0.42	1.03	1.84	2.70	3.57	4.47	5.39	6.36	7.72	10.3	13.3	15.1	18.0	22.5	22.4	22.1	22.5
-35	0.02	0.10	0.48	1.19	2.06	2.97	3.88	4.86	5.84	7.19	9.80	13.1	15.0	19.0	24.6	29.6	29.6	28.8	29.0
-30	0.02	0.24	0.85	1.75	2.71	3.67	4.68	5.72	7.24	10.7	14.3	16.6	22.4	30.4	33.6	34.5	35.7	35.6	35.4
-25	0.02	0.28	0.97	1.93	2.92	3.89	4.93	6.10	8.50	13.1	15.5	20.8	29.1	35.0	36.9	39.9	44.5	48.7	49.7
-20	0.02	0.14	0.74	1.71	2.73	3.72	4.76	5.97	8.68	14.0	16.6	24.4	33.4	36.5	43.0	54.9	71.5	86.5	94.0
-15	0.01	0.16	0.85	1.85	2.86	3.85	4.92	6.40	10.1	15.0	19.0	28.3	34.5	39.8	54.4	77.7	108	139	159
-10	0.02	0.42	1.33	2.34	3.34	4.38	5.59	8.44	13.6	17.5	26.1	32.0	38.3	55.8	88.6	141	233	364	421
-5	0.02	0.48	1.37	2.38	3.38	4.44	5.74	9.08	14.0	19.4	27.7	32.0	40.7	65.1	108	193	408	818	964
0	0.01	0.23	0.98	1.96	2.97	4.00	5.12	7.55	12.4	17.0	26.5	29.6	37.4	56.5	99.2	180	417	1078	1514
5	0.01	0.24	0.99	1.97	2.97	4.00	5.12	7.60	12.5	17.0	26.2	29.6	37.3	56.0	97.6	173	386	966	1368
10	0.03	0.47	1.32	2.31	3.29	4.34	5.59	8.75	13.7	18.5	27.3	31.2	39.2	60.8	98.6	163	302	542	654
15	0.03	0.47	1.30	2.27	3.25	4.28	5.45	8.20	13.3	17.2	25.5	31.3	36.9	52.2	80.6	123	190	284	322
20	0.01	0.20	0.88	1.78	2.72	3.66	4.69	6.02	9.31	14.5	17.9	26.8	33.2	36.5	47.2	65.3	87.2	108	119
25	0.01	0.20	0.85	1.72	2.62	3.53	4.55	5.71	8.22	13.2	15.8	22.6	30.9	35.2	39.2	47.9	60.4	72.3	77.9
30	0.02	0.37	1.07	1.91	2.76	3.64	4.62	5.71	7.71	11.8	14.5	18.6	25.9	32.9	33.9	35.5	36.5	38.2	38.6
35	0.02	0.35	1.01	1.80	2.62	3.45	4.38	5.38	6.85	9.71	13.2	15.5	20.6	27.3	31.9	31.7	31.8	32.5	32.7
40	0.01	0.14	0.62	1.29	2.03	2.79	3.56	4.44	5.35	6.56	8.45	11.7	13.8	16.2	21.7	27.5	27.7	25.9	26.0
45	0.01	0.12	0.56	1.17	1.87	2.58	3.30	4.06	4.90	5.83	7.09	9.09	11.5	13.9	16.3	18.7	19.5	20.0	20.6
50	0.02	0.21	0.64	1.20	1.83	2.45	3.08	3.71	4.38	5.07	5.85	6.80	8.09	9.70	11.7	13.5	14.9	15.4	15.7
55	0.02	0.18	0.56	1.05	1.61	2.18	2.75	3.30	3.86	4.42	4.97	5.56	6.24	7.08	8.02	8.99	9.92	10.5	10.7
60	0.01	0.06	0.28	0.63	1.06	1.53	2.01	2.47	2.91	3.34	3.73	4.09	4.40	4.73	4.98	5.17	5.37	5.54	5.62
65	0.01	0.05	0.23	0.51	0.86	1.26	1.68	2.07	2.45	2.81	3.13	3.42	3.67	3.92	4.12	4.29	4.43	4.55	4.60
70	0.01	0.06	0.20	0.41	0.67	0.96	1.27	1.56	1.84	2.09	2.32	2.53	2.72	2.87	2.99	3.10	3.19	3.25	3.27
75	0.01	0.05	0.14	0.29	0.47	0.68	0.91	1.14	1.36	1.55	1.74	1.90	2.04	2.17	2.26	2.35	2.42	2.47	2.48
80	0.02	0.02	0.04	0.09	0.17	0.26	0.37	0.48	0.60	0.72	0.83	0.93	1.01	1.09	1.15	1.21	1.25	1.29	1.30
85	0.02	0.02	0.02	0.04	0.07	0.11	0.16	0.21	0.27	0.32	0.37	0.42	0.46	0.50	0.54	0.57	0.59	0.60	0.61
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2024-11-2

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:482.07V I:3.3301A P:1597.2W PF:0.9949 Freq:50.01Hz		
Lamp Flux:236252x1 lm		
NAME: ASD-SPFL8-1600D50-DMX-DALI	TYPE: 17D	
SPEC.: 1600W 480V		
MFR.: ASD LIGHTING CORP		

Table--2

UNIT: X1000cd

H (DEG) \ V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	1.71	1.69	1.65	1.58	1.49	1.38	1.27	1.14	1.00	0.85	0.69	0.56	0.44	0.36	0.28	0.21	0.14	0.09
-75	2.49	2.45	2.38	2.29	2.17	2.04	1.88	1.71	1.52	1.30	1.06	0.83	0.63	0.46	0.31	0.22	0.13	0.08
-70	3.55	3.48	3.38	3.25	3.10	2.92	2.70	2.47	2.19	1.87	1.52	1.16	0.82	0.54	0.32	0.18	0.09	0.05
-65	4.29	4.20	4.08	3.93	3.76	3.54	3.30	3.03	2.71	2.35	1.92	1.48	1.05	0.67	0.37	0.19	0.08	0.04
-60	5.58	5.48	5.33	5.18	4.97	4.69	4.38	4.06	3.70	3.28	2.80	2.27	1.71	1.15	0.66	0.32	0.13	0.04
-55	6.97	6.74	6.45	6.18	5.87	5.51	5.12	4.72	4.27	3.78	3.25	2.66	2.03	1.38	0.80	0.37	0.14	0.04
-50	13.4	12.3	10.8	9.41	8.17	7.12	6.31	5.62	4.98	4.32	3.66	2.97	2.23	1.49	0.80	0.32	0.09	0.03
-45	16.4	16.1	15.1	13.8	11.7	9.31	7.58	6.45	5.59	4.81	4.04	3.28	2.50	1.70	0.94	0.36	0.10	0.03
-40	22.4	22.1	22.4	20.6	17.1	15.5	12.8	9.10	7.11	5.95	5.02	4.09	3.26	2.41	1.52	0.71	0.21	0.04
-35	29.0	28.9	29.2	26.7	21.9	17.3	15.2	12.2	8.28	6.46	5.37	4.38	3.47	2.60	1.68	0.82	0.23	0.04
-30	35.1	34.8	33.3	32.8	27.7	21.1	16.8	15.0	9.71	6.76	5.46	4.41	3.44	2.53	1.56	0.67	0.14	0.05
-25	46.3	40.9	36.7	34.4	32.7	25.6	19.2	16.2	12.2	7.50	5.69	4.59	3.57	2.65	1.68	0.75	0.15	0.06
-20	90.2	76.6	59.6	43.7	35.4	33.9	28.8	20.7	16.8	11.9	7.14	5.35	4.23	3.22	2.26	1.28	0.42	0.09
-15	148	118	85.1	57.9	40.1	33.3	31.4	23.6	17.5	13.6	7.90	5.51	4.33	3.29	2.32	1.34	0.48	0.12
-10	321	191	115	70.4	42.6	32.8	31.0	23.7	17.6	12.9	7.51	5.20	4.04	3.02	2.02	1.06	0.32	0.16
-5	656	294	144	82.8	46.9	33.2	30.3	25.3	18.0	13.5	7.85	5.22	4.05	3.01	2.01	1.06	0.34	0.18
0	1357	698	264	122	67.3	37.6	31.1	28.9	22.6	16.2	10.4	6.05	4.54	3.45	2.44	1.45	0.60	0.17
5	1198	596	231	116	64.9	36.9	30.8	28.6	22.0	16.0	10.2	5.95	4.49	3.41	2.41	1.42	0.58	0.15
10	463	241	131	77.5	45.3	32.8	29.8	25.1	17.8	13.3	7.78	5.16	3.99	2.97	1.98	1.03	0.30	0.10
15	250	157	98.8	62.4	39.7	32.0	29.8	22.6	17.2	12.2	7.08	5.00	3.89	2.89	1.91	0.98	0.27	0.08
20	113	94.3	71.2	49.9	37.1	32.4	30.5	22.7	17.2	13.0	7.53	5.30	4.17	3.16	2.22	1.28	0.48	0.06
25	74.6	63.7	50.0	39.8	33.9	32.3	26.2	19.3	16.1	10.8	6.68	5.06	3.98	3.02	2.11	1.21	0.45	0.05
30	37.1	35.1	34.2	32.8	30.6	23.5	17.9	15.6	11.1	7.03	5.41	4.35	3.36	2.48	1.62	0.81	0.21	0.03
35	32.3	31.3	31.5	30.1	25.0	19.2	16.0	13.3	8.70	6.31	5.08	4.05	3.16	2.32	1.50	0.74	0.18	0.03
40	25.9	26.6	27.8	24.5	19.4	15.8	14.3	10.5	7.48	6.00	4.97	4.02	3.18	2.41	1.64	0.91	0.32	0.03
45	20.5	20.0	19.6	18.1	15.9	13.5	10.7	8.14	6.48	5.40	4.50	3.67	2.92	2.20	1.48	0.81	0.28	0.03
50	15.6	15.0	13.5	11.5	9.55	7.98	6.73	5.74	4.96	4.25	3.57	2.92	2.27	1.63	1.01	0.48	0.11	0.02
55	10.4	9.82	8.95	7.98	7.00	6.17	5.48	4.87	4.29	3.72	3.15	2.57	1.99	1.41	0.86	0.41	0.10	0.02
60	5.62	5.50	5.32	5.15	4.93	4.63	4.32	3.97	3.59	3.18	2.74	2.27	1.79	1.30	0.84	0.44	0.15	0.02
65	4.60	4.52	4.40	4.25	4.06	3.83	3.59	3.32	3.00	2.65	2.28	1.89	1.47	1.05	0.67	0.35	0.12	0.02
70	3.25	3.18	3.10	2.99	2.87	2.70	2.52	2.30	2.06	1.80	1.51	1.20	0.88	0.60	0.35	0.16	0.04	0.02
75	2.46	2.41	2.35	2.26	2.16	2.02	1.88	1.71	1.52	1.31	1.08	0.85	0.62	0.41	0.24	0.11	0.03	0.02
80	1.30	1.28	1.24	1.20	1.15	1.08	1.00	0.92	0.81	0.69	0.56	0.44	0.33	0.22	0.14	0.07	0.03	0.02
85	0.61	0.60	0.59	0.56	0.53	0.49	0.45	0.41	0.36	0.31	0.25	0.19	0.14	0.10	0.06	0.04	0.02	0.02
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2024-11-2

V(B) Range:-85 - 85DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

50% Beam Angle : 17°-H X 17°-V

one-half-peak spread: U:7.5,D:9.1 , L:8.2,R:8.6

TOTAL FLUX : 236252 lm

LOR : 100.0%

AVAILABILITY FLUX : 143735 lm

AVAILABILITY : 60.8%

