

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1394.2 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	81.0V x 80.6H
	At 50% of Imax	45.8V x 47.3H
	At 90% of Imax	19.6V x 21.0H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	854.4 lumens per klm.
	To 50% of Imax	521.4 lumens per klm.
	To 90% of Imax	118.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

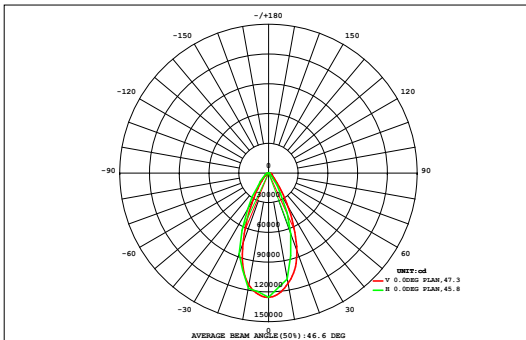
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-12-25

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
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:122.65V I:4.9920A P:600.93W PF:0.9815 Freq:49.97Hz Lamp Flux:89889.1x1 lm		
NAME: ASD-SPFL7-A600D50	TYPE: SPFL7	
SPEC.: 600W 45D		
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:149.58lm/W	
MODEL	ASD-SPFL7-A600D50	Imax(cd)	125324
NOMINAL POWER(W)	600	AVAILABILITY(%)	85.7
RATED VOLTAGE(V)	120	Avai. FLUX(lm)	77029
NOMINAL FLUX(lm)	89889.1	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	89889
TEST VOLTAGE(V)	120	θ @50% (H,V)	47,46DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.17	0.00
90	0.30	2.69	8.82	18.9	31.8	45.6	58.0	67.7	73.0	73.2	68.4	59.0	46.6	32.7	19.6	9.33	2.95	0.35	619	0.00
80	0.35	3.76	13.1	28.7	48.6	69.7	89.2	105	114	115	107	91.6	71.8	50.3	29.8	13.8	4.07	0.40	955	0.00
70	0.48	5.37	18.6	40.6	68.7	100	133	162	182	184	168	139	106	72.0	42.2	19.5	5.71	0.53	1447	0.00
60	0.59	6.81	23.5	51.2	89.2	140	206	279	337	344	297	223	152	96.0	54.2	24.7	7.25	0.66	2332	487
50	0.72	8.07	27.7	61.0	114	204	358	579	774	801	636	405	230	125	65.2	28.9	8.45	0.78	4426	3285
40	0.78	8.85	30.3	68.9	142	303	667	1249	1756	1819	1383	771	353	160	74.9	32.0	9.32	0.86	8829	8042
30	0.84	9.32	31.7	74.8	169	436	1124	2185	2979	3068	2383	1286	504	191	80.8	33.2	9.64	0.90	14567	13910
20	0.80	9.20	31.2	75.5	183	529	1466	2770	3586	3715	3020	1648	600	205	81.6	32.9	9.56	0.87	17963	17354
10	0.71	8.67	29.4	71.2	174	511	1416	2651	3450	3565	2859	1513	542	186	74.6	30.2	8.85	0.71	17090	16481
0	0.48	7.42	25.7	60.7	139	366	970	1898	2594	2654	1980	997	380	146	63.0	26.5	7.68	0.50	12316	11642
-10	0.33	5.76	21.3	48.1	99.4	217	486	914	1274	1270	887	456	207	98.3	48.2	21.4	5.84	0.29	6060	5218
-20	0.19	3.82	16.0	34.4	63.5	110	186	289	369	359	269	173	106	62.8	34.6	16.1	3.81	0.16	2097	610
-30	0.10	2.32	10.8	23.0	37.9	56.7	75.4	88.6	92.6	90.3	80.7	67.8	52.7	36.7	22.5	10.6	2.01	0.09	751	0.00
-40	0.06	1.26	6.36	13.8	20.0	25.3	30.1	31.3	29.6	28.3	28.6	27.9	24.6	19.5	13.3	5.91	1.02	0.07	307	0.00
-50	0.07	0.75	3.34	6.99	8.61	7.94	5.68	3.93	3.01	2.82	3.57	5.37	7.65	8.26	6.56	2.77	0.55	0.08	78.0	0.00
-60	0.08	0.55	1.64	3.09	3.51	2.91	2.26	2.21	2.61	2.47	1.91	1.91	2.69	3.25	2.66	1.15	0.37	0.10	35.4	0.00
-70	0.06	0.29	0.55	0.77	0.95	1.16	1.56	2.05	2.23	2.01	1.62	1.24	0.98	0.74	0.39	0.22	0.16	0.05	17.0	0.00
-80	0.06	0.29	0.55	0.77	0.95	1.16	1.56	2.05	2.23	2.01	1.62	1.24	0.98	0.74	0.39	0.22	0.16	0.05	17.0	0.00
-90	0.06	0.29	0.55	0.77	0.95	1.16	1.56	2.05	2.23	2.01	1.62	1.24	0.98	0.74	0.39	0.22	0.16	0.05	17.0	0.00
HORIZONTAL (DEG)																				
Φ t	6.96	84.9	300	682	1392	3125	7274	13276	17618	18093	14173	7866	3387	1494	714	309	87.3	7.42	89889	---
Φ a	0.00	0.00	0.00	0.00	84.3	1823	6229	12359	16781	17304	13292	6886	2132	137	0.00	0.00	0.00	0.00	---	77029

one-half-peak spread: U:20.8,D:25.4 , L:24.7,R:22.8

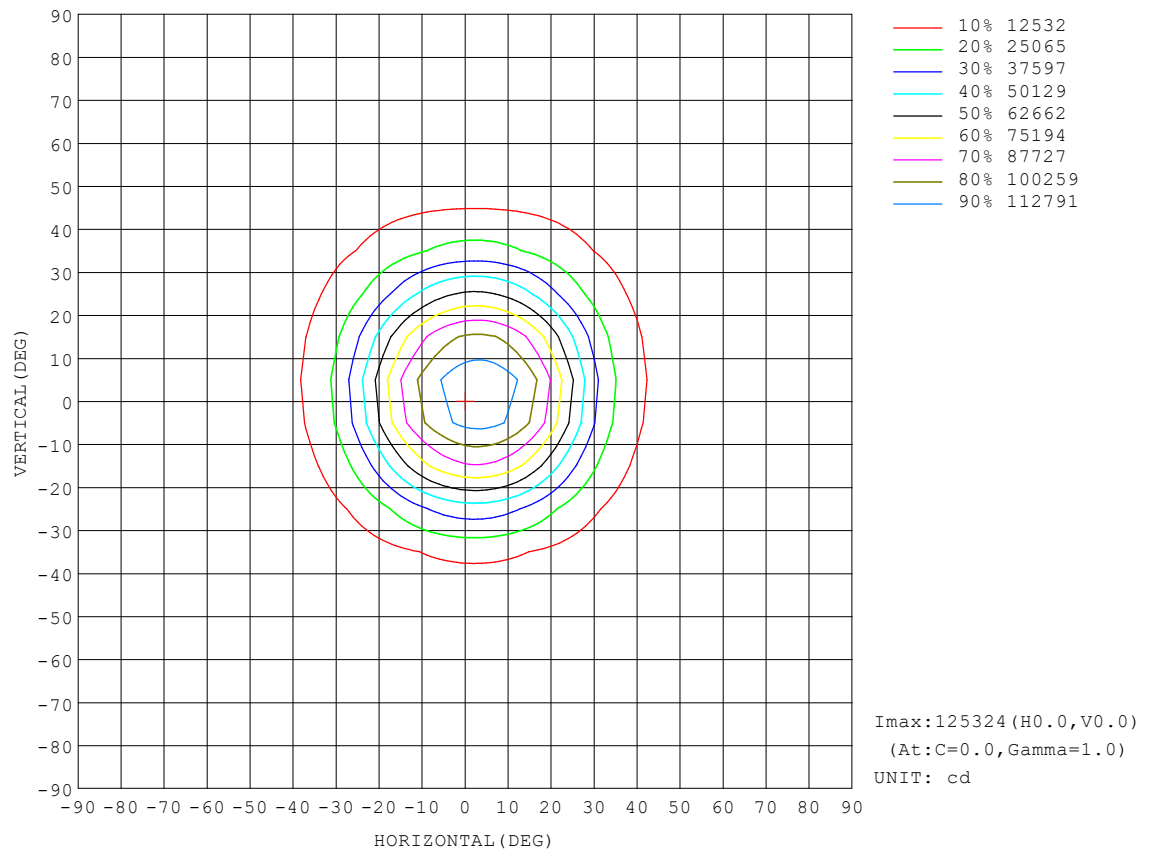
NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-12-25

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:122.65V I:4.9920A P:600.93W PF:0.9815 Freq:49.97Hz Lamp Flux:89889.1x1 lm		
NAME: ASD-SPFL7-A600D50	TYPE: SPFL7	
SPEC.: 600W 45D		
MFR.: ASD LIGHTING CORP		

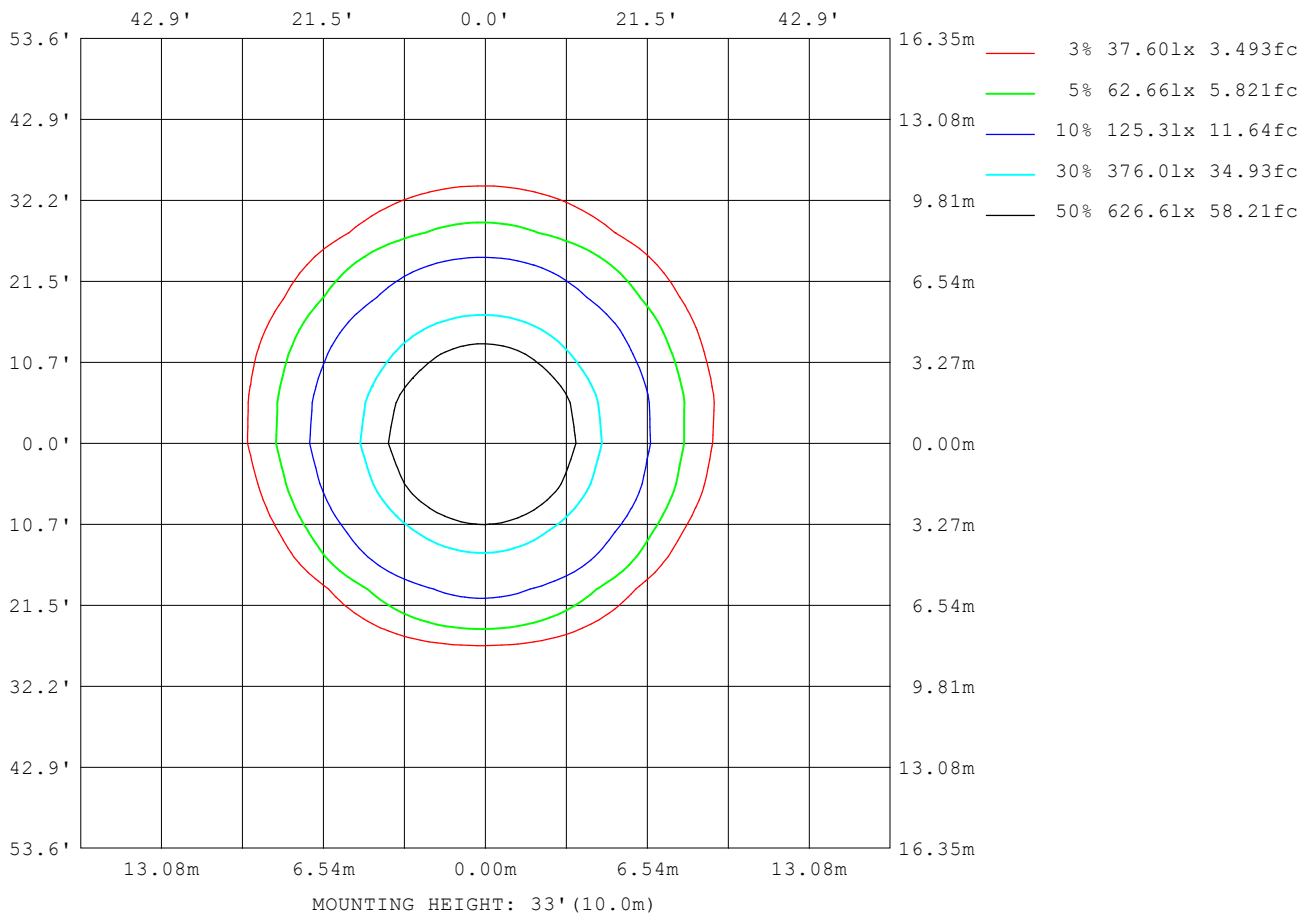


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-12-25

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

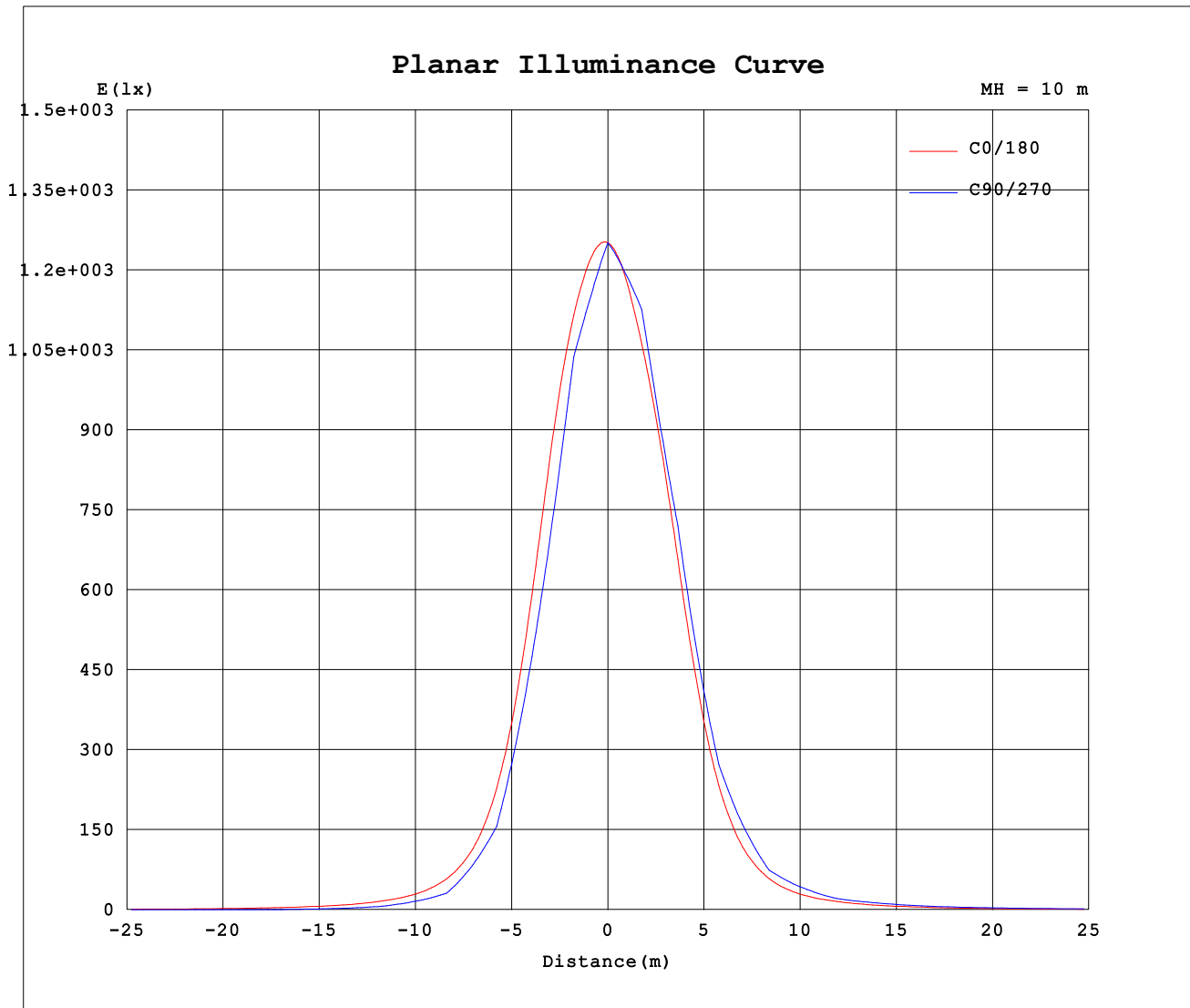
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NAME: ASD-SPFL7-A600D50	TYPE: SPFL7	
SPEC.: 600W 45D		
MFR.: ASD LIGHTING CORP		



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-12-25

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

Planar Illuminance Curve

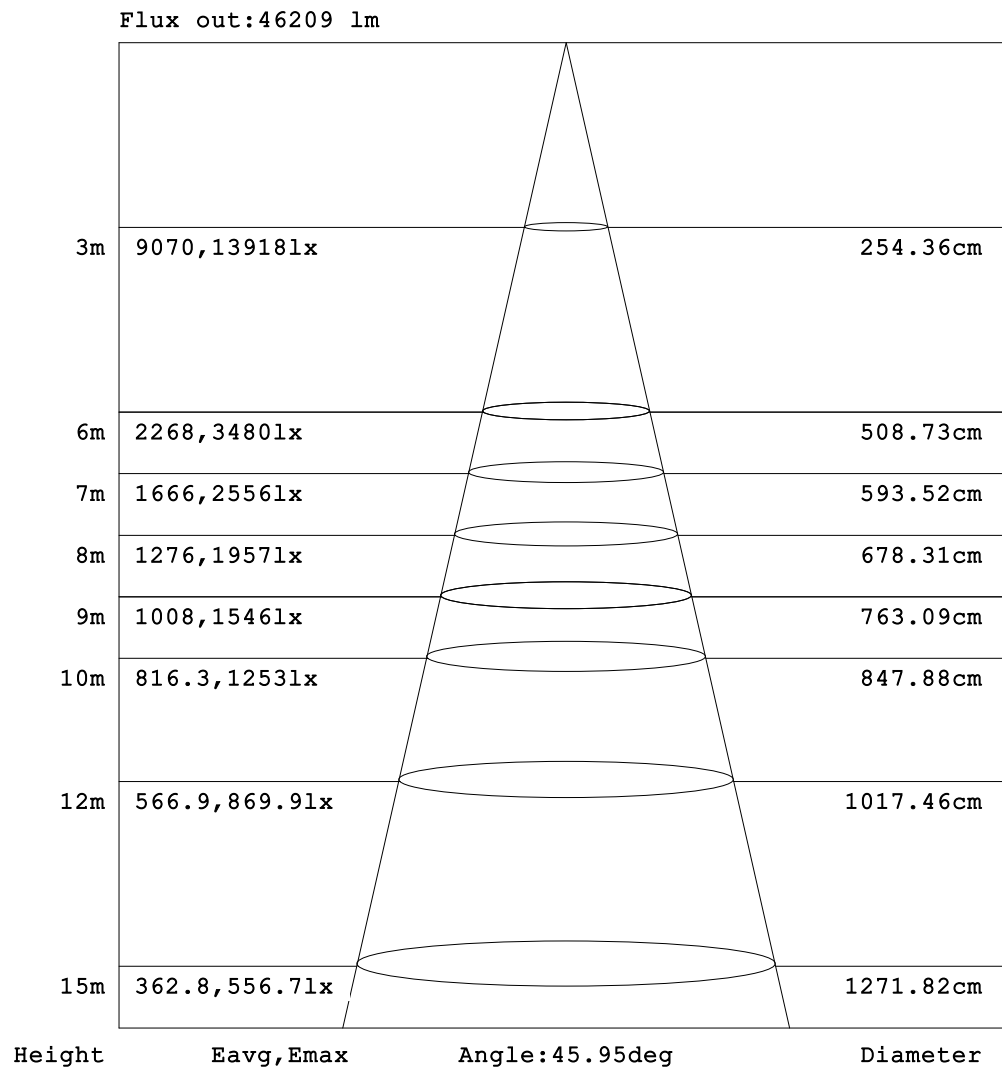


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2025-12-25

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
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:122.65V I:4.9920A P:600.93W PF:0.9815 Freq:49.97Hz Lamp Flux:89889.1lx1 lm		
NAME: ASD-SPFL7-A600D50	TYPE: SPFL7	
SPEC.: 600W 45D		
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: 2025-12-25

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
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:122.65V I:4.9920A P:600.93W PF:0.9815 Freq:49.97Hz Lamp Flux:89889.1x1 lm		
NAME: ASD-SPFL7-A600D50	TYPE: SPFL7	
SPEC.: 600W 45D		
MFR.: ASD LIGHTING CORP		

Table--1

UNIT: X100cd

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	0.18	0.33	0.56	0.69	0.82	0.96	1.11	1.22	1.26	1.25	1.20	1.16	1.14	1.16	1.23	1.31	1.37	1.38	1.34
-75	0.19	0.21	0.39	0.60	0.84	1.18	1.56	1.90	2.03	1.97	1.82	1.63	1.43	1.25	1.14	1.11	1.15	1.18	1.17
-70	0.17	0.27	0.47	0.77	1.24	1.86	2.44	2.80	2.76	2.53	2.23	1.86	1.48	1.17	0.98	0.95	0.97	0.98	0.96
-65	0.14	0.18	0.32	0.65	1.29	2.22	3.25	4.08	4.38	4.39	4.24	3.97	3.62	3.21	2.83	2.47	2.23	2.01	1.91
-60	0.14	0.21	0.50	1.20	2.39	3.84	5.17	5.82	6.07	6.10	5.97	5.68	5.27	4.77	4.22	3.68	3.20	2.90	2.86
-55	0.10	0.13	0.29	0.95	2.31	4.21	6.19	7.64	8.53	9.23	9.84	10.4	11.0	11.6	12.1	12.4	12.6	12.6	12.7
-50	0.10	0.17	0.71	2.16	4.42	7.00	9.15	10.6	11.9	13.1	14.4	15.8	17.5	19.1	20.4	21.4	22.1	22.4	22.4
-45	0.08	0.11	0.41	1.73	4.17	7.26	10.2	12.4	14.5	16.7	19.4	22.3	25.6	29.2	33.2	37.3	41.0	43.8	45.2
-40	0.08	0.26	1.37	3.98	7.56	11.2	14.0	16.7	19.7	23.4	27.8	32.6	38.0	44.1	50.9	57.7	63.6	67.3	68.3
-35	0.08	0.13	0.76	3.06	6.83	11.0	14.6	18.1	22.1	27.1	33.4	41.3	52.0	66.3	84.9	106	128	145	154
-30	0.09	0.47	2.44	6.45	11.2	15.3	19.4	24.0	30.1	37.8	47.9	62.0	82.2	110	144	181	214	235	241
-25	0.06	0.20	1.36	4.98	9.96	14.7	19.2	24.5	31.3	40.4	53.1	72.7	104	151	214	287	358	413	444
-20	0.12	0.81	4.06	9.43	14.4	19.4	25.2	32.6	42.7	56.8	79.6	118	178	264	370	482	574	635	651
-15	0.04	0.27	2.20	7.13	12.5	17.7	23.4	30.6	40.5	54.5	76.7	116	183	288	425	577	714	809	862
-10	0.14	1.20	5.85	11.2	16.6	22.6	29.8	39.7	53.6	75.6	116	187	304	471	664	843	979	1058	1087
-5	0.02	0.35	3.40	8.64	14.1	20.0	26.8	35.5	47.8	66.3	98.4	157	261	420	623	828	985	1094	1158
0	0.17	2.22	7.08	12.4	18.5	25.3	33.6	45.1	62.2	90.7	143	240	395	609	837	1013	1133	1219	1253
5	0.00	0.56	4.22	9.22	15.0	21.4	28.8	38.2	51.4	71.5	106	171	283	453	666	876	1031	1139	1204
10	0.20	2.63	7.18	12.7	19.0	26.1	34.6	46.0	62.6	89.3	137	222	360	550	757	938	1068	1149	1181
15	0.00	0.81	4.33	9.28	15.2	21.7	29.1	38.2	50.6	68.7	97.9	149	235	364	528	702	851	956	1015
20	0.28	2.71	7.16	12.7	19.0	26.0	34.1	44.4	58.5	79.4	113	168	255	370	510	653	771	846	868
25	0.00	0.86	4.14	8.89	14.6	21.0	28.0	36.1	46.4	60.3	80.5	112	160	230	320	424	522	598	639
30	0.27	2.45	6.55	11.7	17.7	24.2	31.2	39.5	49.7	63.3	81.9	109	146	195	254	316	372	409	419
35	0.00	0.83	3.74	8.07	13.3	19.2	25.5	32.4	40.1	49.7	61.9	77.8	99.6	128	163	203	242	274	291
40	0.29	2.24	5.86	10.5	15.8	21.7	27.8	34.2	41.4	49.8	59.8	71.9	85.9	102	120	138	153	163	165
45	0.00	0.76	3.19	6.89	11.4	16.5	21.8	27.5	33.4	39.7	46.9	55.0	64.2	74.6	86.1	97.9	109	117	122
50	0.26	1.79	4.72	8.54	12.9	17.7	22.7	27.8	32.9	38.1	43.4	49.0	54.8	60.6	66.3	71.4	75.5	78.1	78.9
55	0.00	0.68	2.53	5.44	9.02	13.0	17.3	21.8	26.3	30.7	35.0	39.4	43.7	48.0	52.1	55.9	59.2	61.5	62.8
60	0.26	1.46	3.64	6.52	9.87	13.5	17.3	21.2	25.0	28.5	31.9	35.0	37.8	40.3	42.6	44.5	45.9	46.8	47.0
65	0.00	0.59	1.90	3.93	6.47	9.34	12.4	15.6	18.8	21.9	24.8	27.5	29.9	32.1	34.0	35.7	37.0	37.9	38.3
70	0.22	1.10	2.45	4.29	6.46	8.85	11.4	13.9	16.4	18.8	21.0	22.9	24.7	26.2	27.5	28.5	29.2	29.6	29.7
75	0.00	0.49	1.38	2.57	4.05	5.75	7.57	9.46	11.3	13.2	14.9	16.5	17.9	19.1	20.2	21.1	21.7	22.2	22.4
80	0.21	0.86	1.65	2.56	3.64	4.81	6.06	7.29	8.52	9.71	10.8	11.8	12.7	13.4	14.0	14.5	14.8	15.0	15.0
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
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:2025-12-25

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
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:122.65V I:4.9920A P:600.93W PF:0.9815 Freq:49.97Hz		
Lamp Flux:89889.1x1 lm		
NAME: ASD-SPFL7-A600D50	TYPE: SPFL7	
SPEC.: 600W 45D		
MFR.: ASD LIGHTING CORP		

Table--2

UNIT: X100cd

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	1.26	1.16	1.06	0.98	0.94	0.94	0.98	1.03	1.05	1.01	0.89	0.75	0.62	0.52	0.47	0.45	0.30	0.21	
-75	1.13	1.05	0.98	0.95	1.01	1.17	1.37	1.58	1.76	1.84	1.81	1.57	1.18	0.82	0.56	0.45	0.39	0.22	
-70	0.91	0.86	0.84	0.98	1.26	1.64	2.02	2.36	2.59	2.69	2.52	1.94	1.29	0.78	0.48	0.40	0.28	0.19	
-65	1.94	2.08	2.32	2.61	2.99	3.41	3.82	4.14	4.34	4.39	4.23	3.69	2.69	1.66	0.87	0.45	0.34	0.18	
-60	3.12	3.58	4.11	4.70	5.24	5.70	6.03	6.19	6.17	5.97	5.45	4.28	2.81	1.50	0.67	0.33	0.23	0.15	
-55	12.7	12.6	12.6	12.4	12.1	11.6	11.1	10.5	9.88	9.14	8.27	7.16	5.38	3.32	1.61	0.61	0.27	0.15	
-50	22.2	21.6	20.8	19.7	18.4	16.9	15.5	14.1	12.7	11.3	9.88	8.04	5.47	2.95	1.17	0.36	0.19	0.13	
-45	45.1	43.4	40.3	36.6	32.5	28.5	24.8	21.7	18.8	16.3	13.9	11.7	9.19	6.09	3.06	1.04	0.28	0.15	
-40	66.3	61.6	55.5	48.5	41.7	35.5	30.2	25.8	21.8	18.4	15.3	12.5	9.22	5.54	2.14	0.56	0.20	0.15	
-35	153	142	125	103	82.5	64.6	50.5	40.0	32.1	26.1	21.3	17.2	13.6	9.71	5.56	1.98	0.46	0.21	
-30	229	203	169	133	101	75.7	57.3	44.3	34.8	27.7	22.1	17.5	13.4	8.91	4.26	1.10	0.32	0.23	
-25	441	406	346	272	200	141	97.5	68.8	50.3	38.2	29.6	23.1	17.8	13.2	8.39	3.58	0.77	0.31	
-20	617	542	436	323	224	150	99.7	69.2	50.2	37.7	28.9	22.2	16.7	11.7	6.53	1.86	0.48	0.33	
-15	862	810	703	556	400	264	169	108	72.6	51.6	38.2	28.9	21.9	16.1	10.7	5.45	1.30	0.44	
-10	1057	963	800	599	404	255	157	99.8	67.6	48.3	35.6	26.7	19.8	13.8	8.56	3.29	0.63	0.39	
-5	1166	1115	1001	815	589	383	234	143	91.5	62.8	45.1	33.5	25.0	18.2	12.2	6.85	2.02	0.52	
0	1227	1147	996	760	515	317	189	117	77.4	54.3	39.6	29.5	21.7	15.1	9.34	4.22	0.79	0.39	
5	1214	1167	1058	871	636	415	254	155	99.2	68.0	48.8	36.1	27.0	19.5	13.0	7.50	2.67	0.55	
10	1158	1074	916	701	479	303	186	118	79.5	56.6	41.6	31.2	22.9	15.8	9.80	4.71	0.98	0.30	
15	1019	967	855	690	504	336	215	138	92.8	65.9	48.4	36.4	27.3	19.8	13.2	7.54	2.91	0.52	
20	832	740	606	454	316	211	141	97.9	70.8	52.5	39.7	30.3	22.4	15.5	9.49	4.50	1.03	0.17	
25	638	593	512	408	303	214	149	106	77.4	58.2	44.6	34.4	26.2	19.0	12.6	7.18	2.77	0.47	
30	400	355	295	233	177	133	100	76.7	59.5	46.6	36.6	28.4	21.1	14.6	8.96	4.21	0.99	0.03	
35	290	270	237	197	158	124	97.1	76.4	60.8	48.6	38.9	30.9	23.8	17.3	11.5	6.48	2.46	0.40	
40	160	148	132	114	96.6	81.3	67.9	56.5	46.8	38.6	31.3	24.6	18.4	12.8	7.76	3.59	0.86	0.00	
45	121	116	108	96.6	85.0	73.8	63.6	54.4	46.2	38.9	32.3	26.1	20.2	14.7	9.78	5.47	2.07	0.35	
50	77.8	75.0	70.7	65.5	59.7	53.8	48.0	42.2	36.6	31.2	25.7	20.4	15.3	10.6	6.43	2.98	0.78	0.00	
55	62.8	61.6	59.3	56.0	52.2	48.0	43.6	39.2	34.6	29.9	25.2	20.5	15.9	11.6	7.71	4.30	1.65	0.31	
60	46.6	45.6	44.1	42.1	39.7	36.9	33.9	30.6	26.9	23.0	19.0	15.1	11.4	7.85	4.73	2.19	0.65	0.00	
65	38.3	37.8	36.9	35.6	33.8	31.8	29.5	27.0	24.1	21.0	17.8	14.5	11.3	8.24	5.46	3.07	1.28	0.28	
70	29.5	29.0	28.2	27.0	25.7	24.0	22.1	20.0	17.6	15.1	12.5	9.96	7.50	5.21	3.20	1.59	0.56	0.00	
75	22.3	22.1	21.6	20.9	19.9	18.8	17.5	16.0	14.3	12.5	10.6	8.70	6.83	5.06	3.44	2.05	0.98	0.25	
80	14.9	14.6	14.2	13.6	12.9	12.1	11.1	10.0	8.87	7.64	6.39	5.17	4.00	2.90	1.94	1.12	0.45	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	
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:2025-12-25

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

50% Beam Angle : 47°-H X 46°-V

one-half-peak spread: U:20.8,D:25.4 , L:24.7,R:22.8

TOTAL FLUX : 89889 lm

LOR : 100.0%

AVAILABILITY FLUX : 77029 lm

AVAILABILITY : 85.7%

