

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1318.5 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	-5.0 degrees horizontal

Beam Spread	At 10% of Imax	85.2V x 84.3H
	At 50% of Imax	45.3V x 45.4H
	At 90% of Imax	16.5V x 18.3H

Beam Flux	Total	999.8 lumens per klm.
	To 10% of Imax	823.4 lumens per klm.
	To 50% of Imax	458.6 lumens per klm.
	To 90% of Imax	88.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

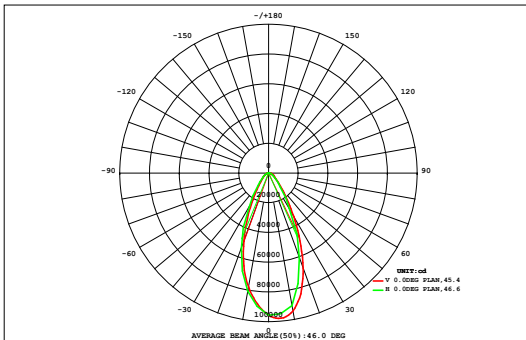
Luminaire Efficiency (Light Output Ratio)	100.0 %
---	---------

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:18 March 2025

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:4.0489A P:495.57W PF:0.9979 Freq:50.02Hz Lamp Flux:74326.8x1 lm		
NAME: ASD-SPFL7UP-A500D50	TYPE: SPFL7UP	
SPEC.: 500W 45D		
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:149.98lm/W	
MODEL	ASD-SPFL7UP-A500D50	Imax (cd)	97997
NOMINAL POWER (W)	500	AVAILABILITY (%)	82.3
RATED VOLTAGE (V)	120	Avai. FLUX (lm)	61194
NOMINAL FLUX (lm)	74326.8	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	74327
TEST VOLTAGE (V)	120	θ @50% (H,V)	45,45DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00
80	0.07	0.93	4.04	9.58	16.7	24.5	31.7	37.3	40.4	40.4	37.6	32.2	25.1	17.5	10.3	4.58	1.23	0.11	334	0.00
70	0.16	2.51	9.50	20.7	34.8	49.7	63.5	74.2	79.8	79.6	73.7	63.0	49.4	34.8	21.1	9.97	2.83	0.23	669	0.00
60	0.32	4.50	15.6	33.0	54.8	78.8	103	123	134	133	121	101	77.0	53.5	32.6	15.8	4.78	0.40	1085	0.00
50	0.50	6.41	21.4	44.9	76.2	116	163	210	240	239	205	158	112	73.6	43.7	21.3	6.66	0.59	1738	138
40	0.70	8.20	26.9	56.8	102	172	277	410	512	510	404	267	163	97.1	54.3	26.1	8.28	0.76	3095	2060
30	0.85	9.60	31.2	68.0	132	256	500	857	1132	1117	832	478	239	124	64.6	30.1	9.63	0.91	5881	5181
	0.99	10.7	34.7	78.1	164	370	844	1547	2020	1950	1438	784	337	149	72.8	32.9	10.5	1.01	9845	9271
	1.03	11.3	36.4	84.0	187	468	1160	2143	2723	2584	1921	1038	416	167	77.9	34.5	11.1	1.05	13065	12534
	1.00	11.4	36.9	85.6	193	493	1231	2273	2900	2731	1993	1051	416	166	77.7	34.4	11.0	0.95	13705	13183
	0.82	10.7	35.2	80.4	174	409	966	1792	2355	2242	1582	815	340	150	73.4	33.0	10.4	0.78	11071	10496
-30	0.67	9.40	32.4	71.8	144	291	591	1025	1342	1277	889	480	236	124	64.8	30.1	9.00	0.58	6618	5932
-40	0.51	7.52	27.7	59.9	110	189	309	453	551	527	401	262	163	99.0	54.8	26.2	7.14	0.44	3249	2287
-50	0.40	5.73	22.3	47.8	82.4	127	177	219	239	229	197	156	114	74.5	43.9	20.8	5.06	0.33	1760	112
-60	0.28	3.90	15.9	35.1	58.3	84.5	110	129	138	135	123	103	78.5	54.3	33.1	14.8	3.38	0.23	1121	0.00
-70	0.18	2.39	9.94	22.7	37.8	53.4	67.5	77.8	82.8	81.7	75.2	64.1	50.3	35.5	21.2	8.83	1.95	0.15	693	0.00
-80	0.10	1.10	4.53	10.8	18.4	26.4	33.8	39.1	41.8	41.5	38.3	32.7	25.3	17.3	9.94	3.88	0.87	0.09	346	0.00
-90	0.04	0.26	0.81	1.77	2.97	4.24	5.37	6.17	6.47	6.25	5.53	4.44	3.17	1.94	0.91	0.29	0.08	0.02	50.7	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	8.62	106	365	811	1590	3211	6631	11416	14538	13924	10337	5890	2844	1438	757	348	104	8.65	74327	---
Φ a	0.00	0.00	0.00	0.00	270	2090	5645	10487	13650	13033	9355	4925	1622	115	0.00	0.00	0.00	0.00	---	61194

one-half-peak spread: U:23.7,D:21.9 , L:20.5,R:25.1

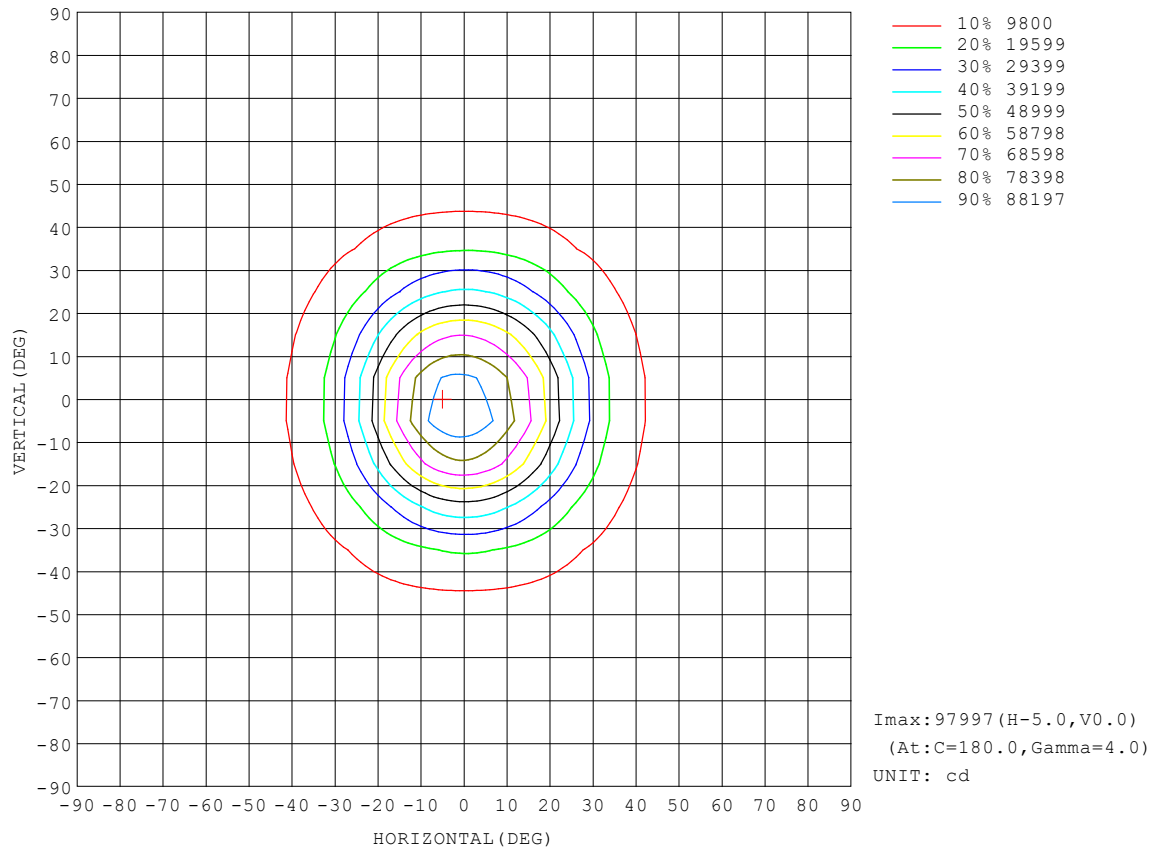
NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:18 March 2025

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:4.0489A P:495.57W PF:0.9979 Freq:50.02Hz Lamp Flux:74326.8x1 lm		
NAME: ASD-SPFL7UP-A500D50	TYPE: SPFL7UP	
SPEC.: 500W 45D		
MFR.: ASD LIGHTING CORP		

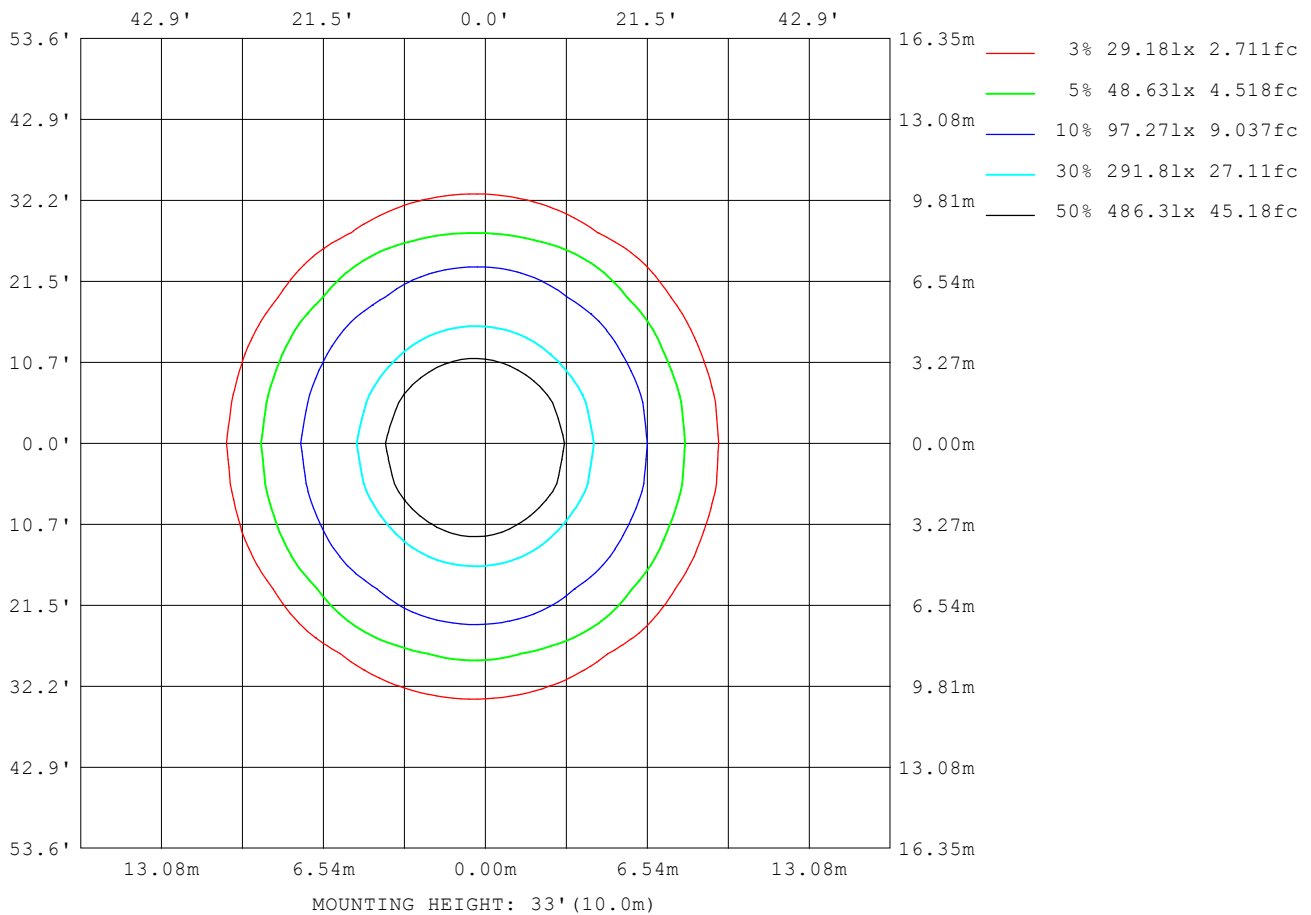


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:18 March 2025

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

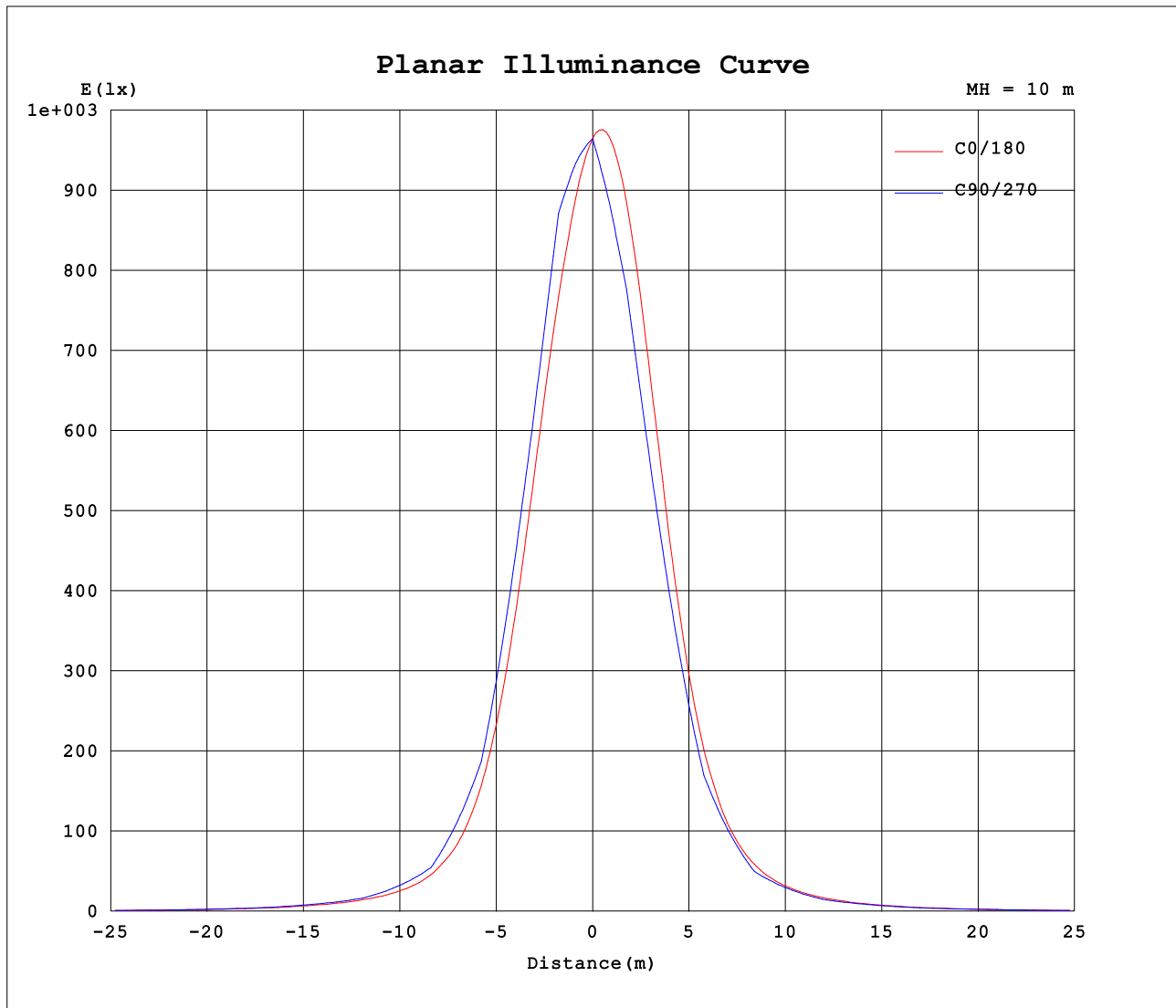
Test:U:122.65V I:4.0489A P:495.57W PF:0.9979 Freq:50.02Hz Lamp Flux:74326.8x1 lm		
NAME: ASD-SPFL7UP-A500D50	TYPE: SPFL7UP	
SPEC.: 500W 45D		
MFR.: ASD LIGHTING CORP		



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:18 March 2025

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

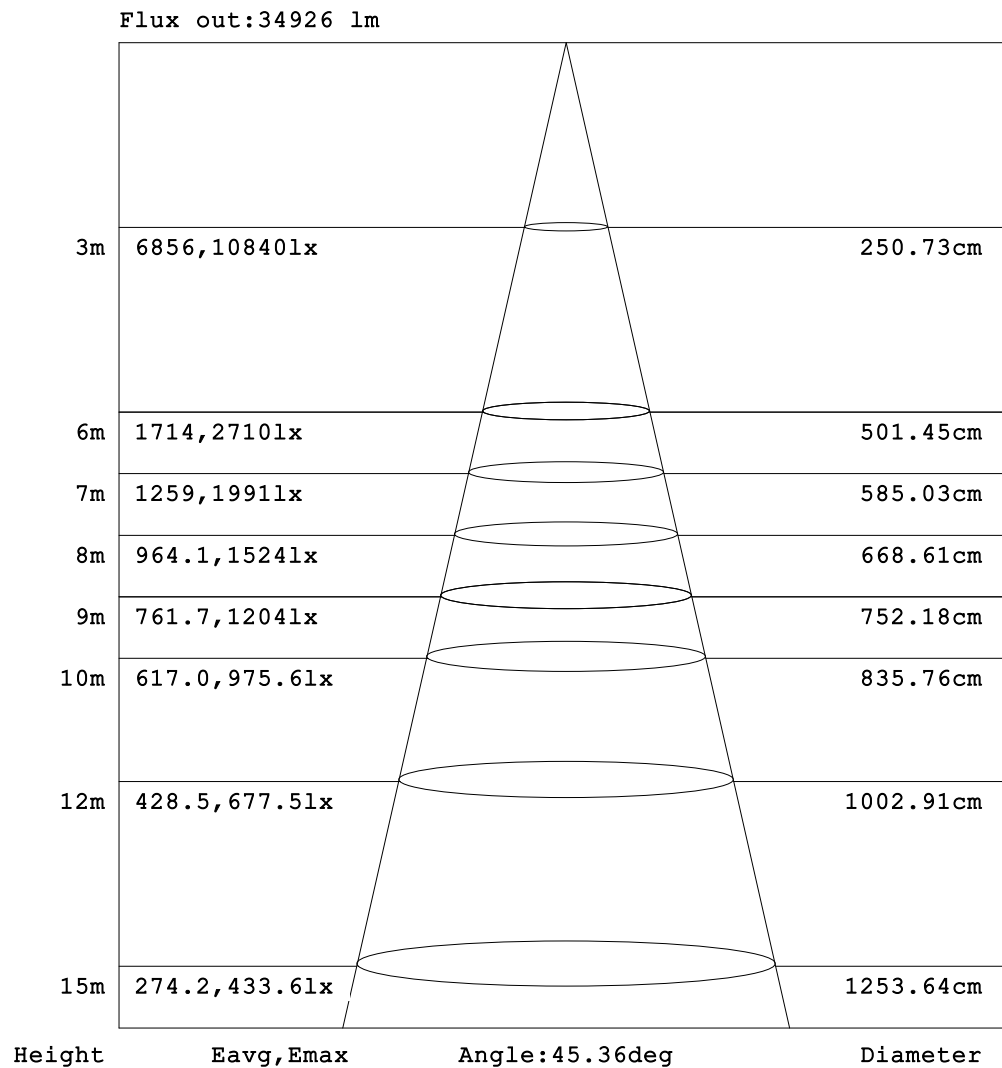


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:18 March 2025

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:4.0489A P:495.57W PF:0.9979 Freq:50.02Hz Lamp Flux:74326.8x1 lm		
NAME: ASD-SPFL7UP-A500D50	TYPE: SPFL7UP	
SPEC.: 500W 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:C
Test Date:18 March 2025

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:4.0489A P:495.57W PF:0.9979 Freq:50.02Hz Lamp Flux:74326.8x1 lm		
NAME: ASD-SPFL7UP-A500D50	TYPE: SPFL7UP	
SPEC.: 500W 45D		
MFR.: ASD LIGHTING CORP		

Table--1

UNIT: X10cd

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	0.95	2.52	4.33	7.43	12.0	17.9	25.0	32.4	39.2	45.6	51.6	57.2	62.2	66.5	70.1	72.8	74.5	75.4	75.5
-75	0.83	1.54	4.54	9.62	17.9	29.3	42.9	57.1	69.7	81.7	92.9	103	113	121	129	134	138	141	142
-70	0.93	3.92	10.0	21.0	36.9	56.7	78.1	97.2	115	131	147	161	174	186	194	201	205	208	207
-65	0.78	2.10	8.17	20.4	39.6	64.8	93.2	120	144	167	189	209	228	245	260	271	280	285	287
-60	1.05	6.38	19.1	41.1	71.6	107	142	172	202	229	255	280	303	323	340	353	361	365	365
-55	0.70	2.71	13.0	34.1	66.5	107	149	187	223	259	295	331	367	400	431	458	479	492	497
-50	1.12	9.06	29.3	63.6	109	158	203	245	288	331	377	425	472	516	556	590	614	627	625
-45	0.55	3.47	18.9	50.5	97.1	152	204	253	304	359	420	486	560	638	718	796	862	908	924
-40	1.34	12.6	42.1	90.5	150	210	264	321	384	458	540	636	742	858	977	1086	1171	1216	1211
-35	0.44	4.24	25.1	68.6	129	193	252	314	386	471	574	702	864	1067	1308	1567	1808	1986	2056
-30	1.42	15.8	54.6	116	185	247	314	390	485	602	753	954	1224	1559	1952	2349	2681	2869	2869
-25	0.37	4.93	32.0	88.7	157	224	292	370	467	592	763	1006	1361	1861	2497	3216	3879	4356	4536
-20	1.64	19.4	71.6	143	210	280	360	460	591	772	1041	1455	2071	2906	3916	4925	5720	6140	6099
-15	0.35	5.35	40.4	107	176	244	320	412	533	701	951	1352	1986	2930	4150	5488	6668	7450	7694
-10	1.59	22.8	86.7	153	222	297	386	501	662	901	1299	1943	2964	4380	6009	7557	8681	9188	9048
-5	0.36	5.64	50.4	116	183	254	335	436	571	767	1077	1600	2467	3742	5370	7070	8467	9306	9489
0	1.67	32.0	92.2	158	228	305	398	520	695	966	1420	2193	3398	5033	6827	8397	9422	9800	9550
5	0.40	7.21	54.9	115	183	253	333	433	567	761	1066	1581	2434	3673	5239	6843	8118	8849	8985
10	1.63	32.5	88.1	152	220	294	381	494	652	885	1270	1892	2862	4174	5641	6957	7843	8198	8068
15	0.36	8.53	51.9	109	173	241	316	406	522	685	926	1309	1915	2795	3903	5073	6053	6658	6828
20	2.01	31.0	82.7	142	207	276	353	449	574	748	1002	1392	1963	2713	3588	4444	5092	5425	5400
25	0.36	7.73	46.2	98.7	157	219	286	360	453	572	733	962	1293	1752	2318	2944	3505	3893	4040
30	1.73	25.3	70.9	124	181	241	305	378	467	576	717	902	1146	1453	1802	2148	2434	2601	2609
35	0.51	6.31	38.2	83.8	134	189	245	304	371	450	547	664	813	998	1212	1442	1653	1806	1870
40	1.59	20.2	58.4	103	152	204	255	309	367	435	510	597	693	796	901	998	1073	1112	1108
45	0.65	4.80	28.9	65.8	107	152	197	244	291	342	397	457	524	593	664	732	790	830	845
50	1.22	13.4	41.9	77.2	115	155	195	235	275	314	355	396	438	477	512	542	563	573	573
55	0.81	3.27	18.9	45.7	77.0	110	144	179	213	246	279	311	343	373	400	423	441	453	457
60	1.04	7.96	26.3	51.1	78.3	106	135	164	191	217	241	264	284	302	317	328	336	339	339
65	0.84	2.10	10.1	26.0	46.3	68.3	91.0	114	136	158	178	197	214	229	242	253	261	266	267
70	0.86	3.59	11.4	24.6	40.5	57.3	74.3	91.1	108	123	138	151	163	173	182	188	193	195	195
75	0.86	1.22	3.98	10.2	19.2	29.9	41.4	53.1	64.7	75.9	86.4	96.2	105	113	120	125	129	132	133
80	0.85	1.47	3.05	6.02	10.5	16.2	22.6	29.2	35.4	41.2	46.8	52.0	56.7	60.8	64.2	66.9	68.7	69.7	69.8
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:C
Test Date:18 March 2025

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:4.0489A P:495.57W PF:0.9979 Freq:50.02Hz Lamp Flux:74326.8x1 lm		
NAME: ASD-SPFL7UP-A500D50	TYPE: SPFL7UP	
SPEC.: 500W 45D		
MFR.: ASD LIGHTING CORP		

Table--2

UNIT: X10cd

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	74.5	72.8	70.2	66.8	62.6	57.8	52.4	46.6	40.5	34.1	27.1	20.1	13.9	8.89	5.56	3.63	1.68	0.98	
-75	141	139	135	130	123	116	106	96.6	86.0	74.8	63.1	49.9	36.1	23.6	13.8	7.30	3.65	1.28	
-70	205	201	194	185	175	162	149	134	118	102	83.6	63.0	42.8	25.8	13.4	6.08	2.24	0.99	
-65	285	280	271	259	246	230	212	193	173	152	129	105	77.6	51.1	29.1	13.8	5.29	1.37	
-60	359	349	335	317	298	276	253	229	203	175	147	114	79.7	48.6	24.7	9.77	2.81	1.08	
-55	492	479	458	432	402	369	334	299	265	232	199	165	126	85.3	49.2	22.9	7.63	1.60	
-50	611	586	551	511	467	421	373	329	289	250	211	170	123	76.5	39.3	15.0	3.51	1.25	
-45	908	863	797	720	640	563	492	426	368	314	266	221	175	123	73.1	33.4	10.5	1.97	
-40	1157	1065	952	833	719	619	530	452	380	319	266	217	165	109	54.6	20.4	4.43	1.63	
-35	2005	1845	1616	1356	1103	888	718	588	488	402	330	270	216	161	101	46.0	13.7	2.58	
-30	2684	2364	1970	1568	1217	942	742	599	488	397	319	258	202	141	77.6	27.0	5.59	2.29	
-25	4385	3950	3327	2632	1976	1442	1049	785	612	490	392	312	248	189	126	62.4	17.1	3.41	
-20	5624	4822	3851	2880	2057	1433	1010	748	582	461	362	287	223	162	97.2	34.5	6.66	3.18	
-15	7394	6654	5599	4380	3188	2199	1470	1007	732	562	442	344	270	207	143	78.6	22.0	4.15	
-10	8362	7280	5906	4414	3057	2015	1317	902	662	511	398	309	239	175	112	47.1	7.53	3.73	
-5	9072	8211	7029	5582	4067	2751	1773	1169	806	603	467	361	281	215	150	87.9	28.0	4.47	
0	8829	7796	6462	4897	3409	2213	1413	944	681	523	406	313	242	177	114	53.3	8.30	3.74	
5	8605	7846	6787	5444	3997	2714	1754	1159	801	599	465	360	281	215	150	89.6	32.2	4.29	
10	7546	6695	5544	4221	2965	1967	1291	889	654	506	396	307	238	174	112	54.7	9.43	3.00	
15	6593	6023	5175	4131	3054	2120	1430	982	718	553	436	341	268	206	144	85.3	32.2	3.89	
20	5038	4404	3590	2726	1962	1373	975	730	569	451	358	284	222	162	103	49.5	9.87	2.01	
25	3925	3580	3061	2457	1867	1369	1007	756	594	478	384	308	245	188	131	76.9	28.6	3.35	
30	2457	2176	1825	1463	1144	893	710	576	472	387	314	254	199	145	92.2	43.3	8.18	1.14	
35	1829	1695	1491	1258	1031	836	682	562	469	390	323	266	213	163	113	65.2	23.4	2.72	
40	1061	981	881	774	673	583	502	432	367	310	260	213	166	120	75.2	33.9	6.34	0.80	
45	832	793	735	667	596	528	465	406	354	304	259	216	174	132	90.2	50.7	17.4	2.17	
50	560	538	509	474	437	397	355	316	279	243	206	168	130	92.9	57.0	24.9	4.85	0.69	
55	453	442	425	402	376	348	317	286	256	225	194	162	129	96.6	64.9	35.0	11.5	1.70	
60	335	326	315	300	283	263	242	220	196	170	144	116	88.8	61.9	36.0	14.7	3.29	0.93	
65	266	262	255	245	233	219	203	185	167	147	126	104	81.8	59.8	38.5	19.5	6.45	1.31	
70	193	189	184	176	166	155	143	129	114	98.1	81.8	65.2	48.4	31.8	17.2	6.82	2.10	1.00	
75	132	130	127	122	117	110	101	92.3	82.4	71.8	60.6	49.2	37.7	26.3	16.1	7.93	3.12	1.05	
80	69.1	67.7	65.4	62.4	58.6	54.3	49.4	44.0	38.3	32.2	25.7	19.3	13.2	8.19	4.57	2.43	1.14	0.96	
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:C
Test Date:18 March 2025

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 : 45°-H X 45°-V

one-half-peak spread: U:23.7,D:21.9 , L:20.5,R:25.1

TOTAL FLUX : 74327 lm

LOR : 100.0%

AVAILABILITY FLUX : 61194 lm

AVAILABILITY : 82.3%

