

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

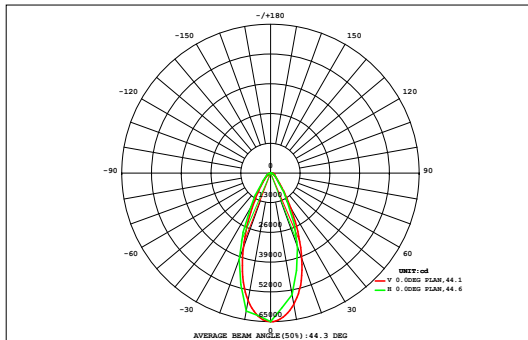
Maximum Intensity		1445.9 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	78.9V x 78.1H
	At 50% of Imax	44.5V x 44.1H
	At 90% of Imax	17.2V x 18.7H
Beam Flux	Total	999.8 lumens per klm.
	To 10% of Imax	820.9 lumens per klm.
	To 50% of Imax	478.5 lumens per klm.
	To 90% of Imax	99.4 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:S
Test Date:06 March 2024

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:277.45V I:1.0816A P:299.32W PF:0.9974 Freq:50.02Hz Lamp Flux:44914.3x1 lm		
NAME: ASD-SPFL7-300D50-L45	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:150.05lm/W	
MODEASD-SPFL7-300D50-L45	Imax(cd)	64939	
NOMINAL POWER(W)	300	AVAILABILITY(%)	82.2
RATED VOLTAGE(V)	277	Avai. FLUX(lm)	36938
NOMINAL FLUX(lm)	44914.3	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	44914
TEST VOLTAGE(V)	277	θ @50% (H,V)	44,45DEG

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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.07	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.07	0.00
80	0.04	0.55	2.31	5.29	9.14	13.3	17.2	20.3	22.0	22.2	20.7	17.8	14.0	9.79	5.84	2.68	0.73	0.07	184	0.00
70	0.09	1.41	5.14	11.0	18.3	26.2	33.5	39.4	42.9	43.1	40.0	34.4	27.1	19.1	11.6	5.54	1.61	0.13	360	0.00
60	0.18	2.47	8.26	17.1	28.3	40.7	53.7	65.1	72.4	73.1	66.8	55.7	42.4	29.4	17.9	8.68	2.68	0.23	585	0.00
50	0.29	3.47	11.2	22.9	38.5	59.1	84.5	112	134	137	118	89.8	62.5	40.5	23.9	11.7	3.70	0.33	954	0.00
40	0.40	4.38	13.8	28.4	50.7	85.8	144	232	313	324	255	163	94.0	53.8	29.7	14.3	4.58	0.43	1812	1082
30	0.47	5.08	15.8	33.4	64.2	126	274	530	768	797	588	317	145	69.5	35.2	16.5	5.32	0.51	3790	3329
	0.54	5.62	17.4	37.9	77.5	184	482	1003	1446	1485	1088	551	212	84.7	39.6	18.0	5.81	0.57	6738	6358
	0.56	5.86	18.1	40.3	86.2	232	660	1356	1869	1915	1445	736	264	94.5	42.1	18.8	6.10	0.60	8789	8437
	0.54	5.90	18.3	40.6	87.4	238	667	1320	1767	1804	1380	707	253	92.0	41.7	18.7	6.07	0.55	8450	8096
	0.45	5.57	17.5	38.0	77.8	187	485	960	1311	1330	991	502	195	80.8	39.0	17.9	5.77	0.45	6245	5850
	0.38	4.98	16.1	34.0	65.0	128	275	513	714	713	503	263	124	64.9	34.2	16.3	5.06	0.35	3476	2995
-30	0.29	4.08	14.0	28.8	51.2	83.9	135	205	262	258	197	129	82.6	51.3	29.1	14.3	4.10	0.27	1550	791
-40	0.22	3.16	11.5	23.6	39.2	59.5	79.9	96.9	106	103	91.8	76.1	57.8	38.7	23.6	11.6	2.99	0.20	826	0.00
-50	0.16	2.19	8.52	17.9	29.0	40.9	53.4	63.0	67.5	66.9	61.8	52.6	40.7	29.1	18.0	8.51	2.04	0.14	563	0.00
-60	0.11	1.39	5.58	12.2	19.9	27.9	34.7	39.7	42.4	42.3	39.4	34.3	27.5	19.7	11.9	5.32	1.21	0.10	366	0.00
-70	0.07	0.71	2.76	6.17	10.3	14.7	18.6	21.6	23.1	23.1	21.4	18.4	14.4	10.0	5.92	2.50	0.61	0.07	194	0.00
-80	0.04	0.23	0.61	1.20	1.97	2.75	3.44	3.93	4.13	4.01	3.59	2.94	2.16	1.39	0.72	0.27	0.11	0.02	33.5	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
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)	20	30	40	50	60	70	80	90			
Φ t	4.83	57.0	187	399	755	1549	3502	6581	8965	9141	6911	3751	1658	789	410	192	58.5	5.01	44914	---
Φ a	0.00	0.00	0.00	0.00	13.0	731	2847	5990	8409	8583	6323	3132	879	29.1	0.00	0.00	0.00	0.00	---	36938

one-half-peak spread: U:21.3,D:23.6 , L:23.2,R:21.1

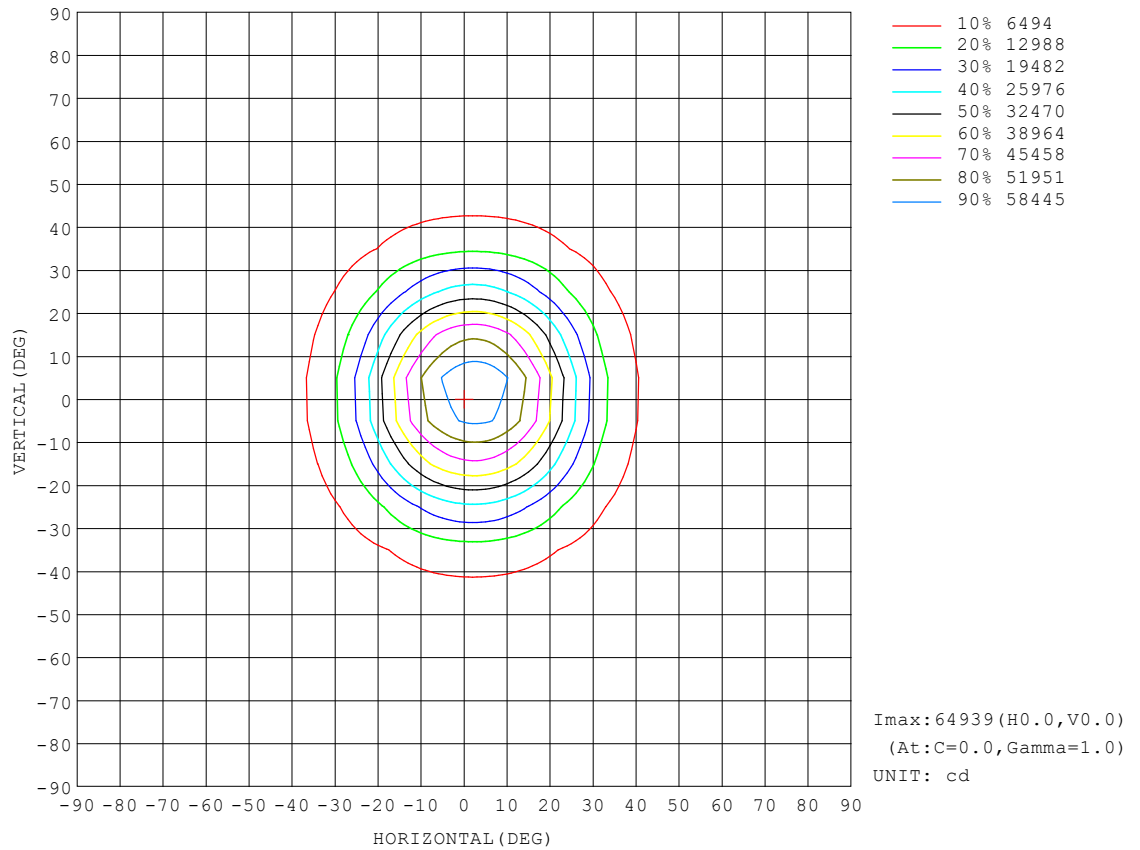
NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:06 March 2024

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:277.45V I:1.0816A P:299.32W PF:0.9974 Freq:50.02Hz Lamp Flux:44914.3x1 lm		
NAME: ASD-SPFL7-300D50-L45	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

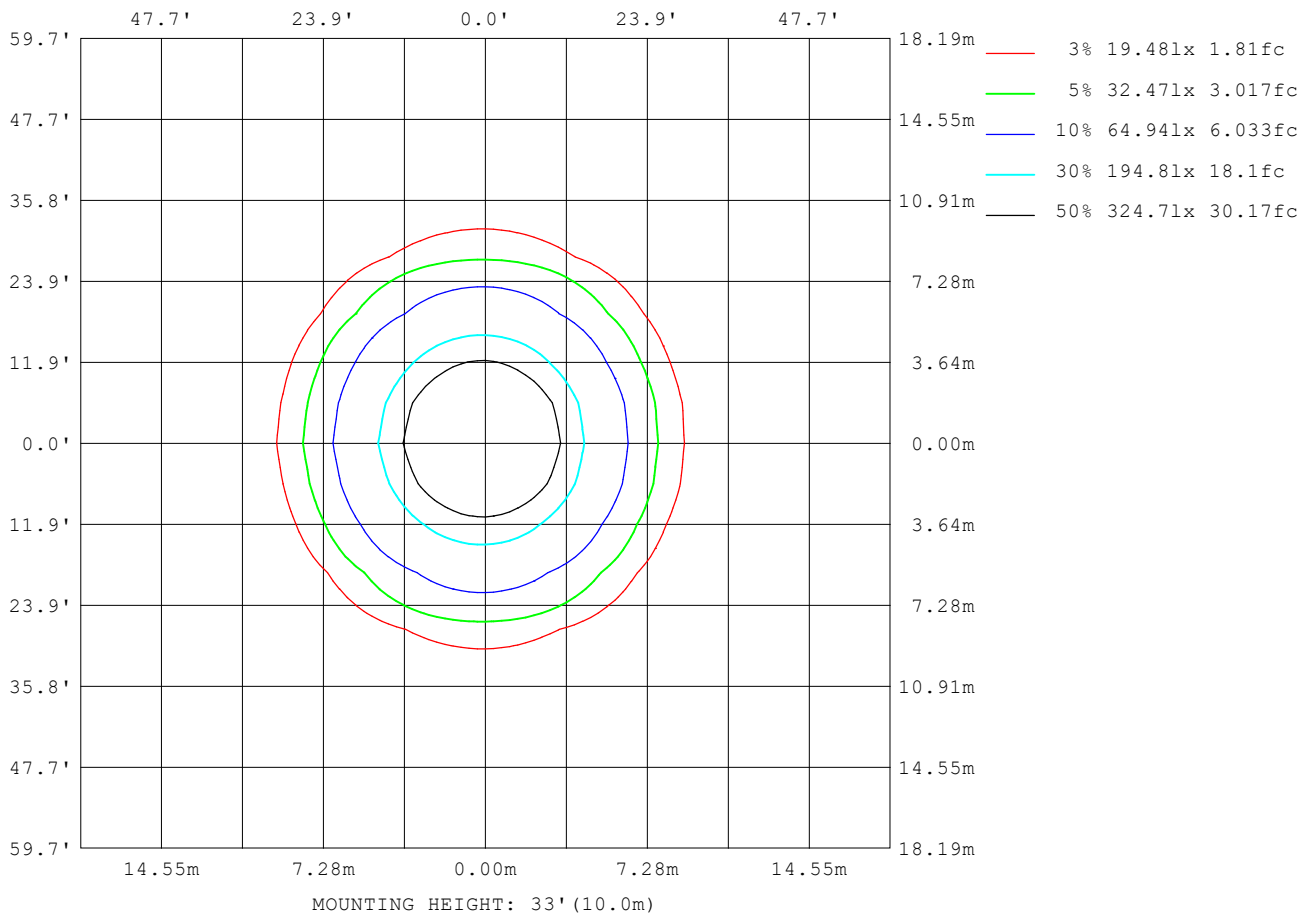


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:06 March 2024

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

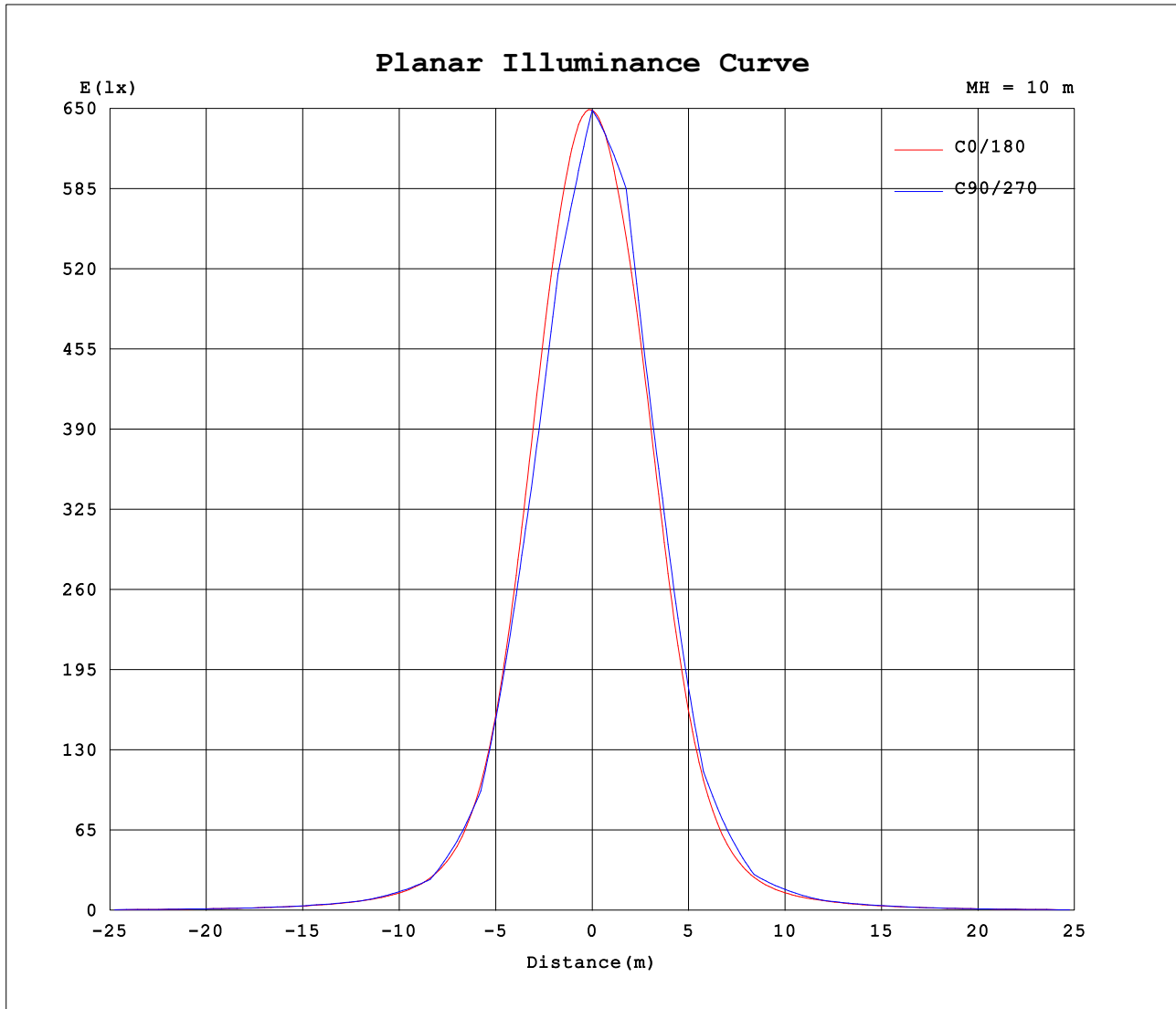
Test:U:277.45V I:1.0816A P:299.32W PF:0.9974 Freq:50.02Hz Lamp Flux:44914.3x1 lm		
NAME: ASD-SPFL7-300D50-L45	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:06 March 2024

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

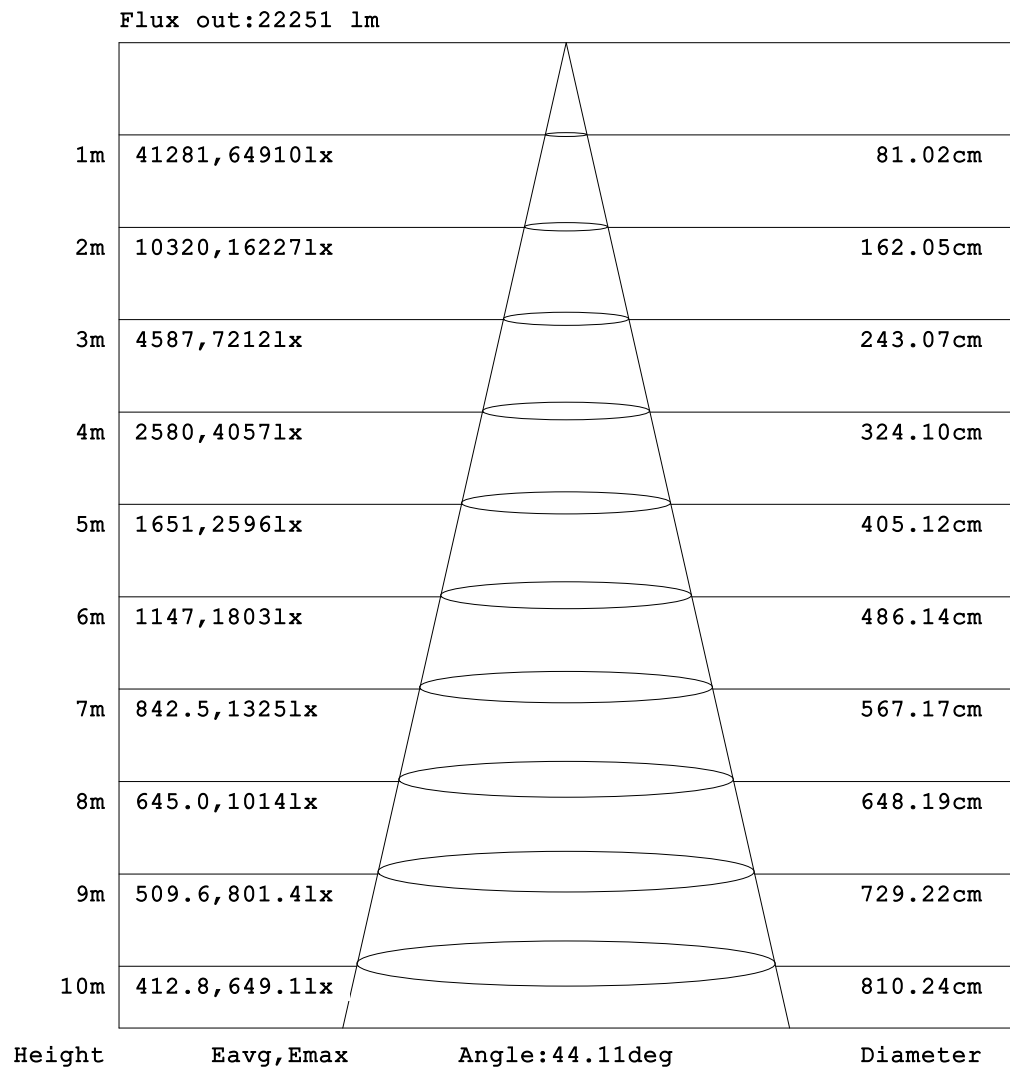


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:06 March 2024

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:277.45V I:1.0816A P:299.32W PF:0.9974 Freq:50.02Hz Lamp Flux:44914.3x1 lm		
NAME: ASD-SPFL7-300D50-L45	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



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:06 March 2024

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:277.45V I:1.0816A P:299.32W PF:0.9974 Freq:50.02Hz Lamp Flux:44914.3x1 lm		
NAME: ASD-SPFL7-300D50-L45	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

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	0.83	1.92	3.52	5.85	8.74	12.3	16.2	20.0	23.7	27.4	30.7	33.8	36.4	38.7	40.6	42.1	43.2	43.8	43.8
-75	0.70	1.21	3.14	6.46	11.6	18.2	25.7	32.7	39.3	45.7	51.7	57.1	62.0	66.2	69.9	72.9	75.1	76.6	77.2
-70	0.75	2.58	6.29	12.9	22.1	33.1	43.7	53.4	62.6	71.3	79.3	86.4	92.8	98.3	103	106	109	110	111
-65	0.53	1.46	4.91	12.0	23.1	37.1	51.5	64.4	76.6	88.1	98.8	109	117	125	132	138	142	145	146
-60	0.77	3.76	11.0	23.6	40.5	58.9	75.0	90.1	104	118	130	141	151	160	168	174	179	182	182
-55	0.39	1.72	7.36	19.3	37.3	58.6	78.3	96.3	113	130	146	161	177	193	208	220	231	238	241
-50	0.78	5.10	16.4	35.4	59.5	82.7	104	123	142	161	180	200	222	244	263	279	292	298	300
-45	0.24	2.07	10.5	28.3	53.4	79.9	104	126	148	172	199	228	259	290	325	360	392	417	430
-40	0.89	7.03	23.7	50.0	79.8	106	131	156	182	214	252	293	333	378	429	480	525	555	563
-35	0.14	2.44	14.0	38.1	69.3	98.4	125	153	183	220	265	315	382	469	583	718	852	961	1021
-30	0.91	8.59	30.5	63.3	94.6	124	153	185	227	278	335	413	528	691	897	1119	1320	1454	1489
-25	0.05	2.79	18.0	48.7	82.1	113	143	177	219	274	340	439	601	851	1194	1599	1991	2301	2465
-20	1.04	10.9	39.8	74.6	107	139	173	217	274	344	452	641	952	1404	1971	2561	3063	3387	3466
-15	0.00	3.03	22.7	57.2	90.1	123	156	196	250	318	418	599	926	1439	2136	2926	3646	4152	4409
-10	1.02	12.8	46.4	79.3	113	147	185	237	304	399	575	905	1467	2276	3247	4196	4894	5286	5404
-5	0.00	3.19	27.7	60.9	94.0	128	163	208	269	347	482	741	1215	1967	2961	4050	4966	5574	5901
0	1.09	17.7	49.0	81.8	116	151	191	248	321	436	658	1082	1796	2813	3994	5077	5836	6323	6494
5	0.00	3.85	29.8	60.9	93.8	128	163	208	269	349	489	757	1244	2021	3057	4203	5189	5877	6255
10	1.05	18.1	47.2	79.1	112	147	185	238	307	408	598	952	1552	2432	3503	4583	5436	5966	6123
15	0.00	4.62	28.5	58.1	89.8	122	156	197	252	323	434	634	990	1552	2325	3221	4065	4700	5039
20	1.34	17.2	44.5	74.7	106	138	173	218	277	355	480	697	1050	1560	2211	2909	3518	3919	4023
25	0.00	4.48	25.7	52.9	82.1	112	143	177	221	278	353	468	658	947	1342	1814	2281	2658	2862
30	1.24	14.3	38.6	65.7	94.0	123	153	186	230	283	350	447	588	785	1029	1292	1530	1691	1735
35	0.00	3.78	21.5	45.3	71.0	97.5	124	152	184	223	271	329	409	518	658	819	981	1114	1186
40	1.19	11.6	32.3	55.4	79.7	105	129	155	184	218	257	303	353	413	479	546	603	641	650
45	0.00	2.98	16.4	36.0	57.3	79.4	102	124	147	172	201	232	267	306	348	392	433	465	482
50	0.91	7.73	23.6	41.8	61.3	81.1	101	121	140	160	181	203	227	250	270	289	304	313	316
55	0.20	2.13	10.8	25.4	41.7	58.6	75.9	93.1	110	127	143	160	177	195	210	224	236	245	249
60	0.76	4.64	15.0	28.3	42.4	56.9	71.4	85.8	99.9	113	126	138	149	159	167	174	180	183	183
65	0.35	1.43	5.83	14.7	25.6	37.1	48.7	60.5	72.0	83.2	93.7	104	113	121	128	134	139	143	144
70	0.54	2.17	6.41	14.0	22.6	31.3	40.2	49.0	57.7	65.9	73.5	80.6	86.9	92.4	97.0	101	103	105	105
75	0.43	0.83	2.38	5.85	11.0	16.9	23.0	29.1	35.2	41.1	46.7	51.9	56.6	60.8	64.4	67.4	69.7	71.3	72.1
80	0.45	0.96	1.95	3.70	6.38	9.77	13.2	16.5	19.8	23.0	26.1	29.0	31.5	33.7	35.5	37.0	38.1	38.7	38.9
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:06 March 2024

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:277.45V I:1.0816A P:299.32W PF:0.9974 Freq:50.02Hz Lamp Flux:44914.3x1 lm		
NAME: ASD-SPFL7-300D50-L45	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

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	43.4	42.4	41.1	39.3	37.0	34.4	31.6	28.4	25.1	21.5	17.7	13.9	10.0	7.06	4.92	3.30	1.42	0.92	
-75	77.1	76.1	74.3	71.7	68.5	64.6	60.0	55.0	49.4	43.4	36.9	30.2	22.9	15.4	9.50	5.51	2.87	1.03	
-70	110	108	105	101	95.4	89.4	82.6	75.0	66.6	57.6	48.1	38.0	26.5	16.2	8.81	4.35	1.64	0.72	
-65	146	144	141	136	130	123	115	105	95.1	84.1	72.2	59.7	46.3	31.1	18.0	8.81	3.61	0.96	
-60	180	177	171	164	156	146	136	124	111	96.4	81.5	65.8	47.8	29.4	15.1	6.22	1.84	0.65	
-55	240	236	228	217	204	189	173	157	141	125	108	90.6	71.9	50.6	29.5	13.8	4.81	1.02	
-50	296	287	273	255	234	213	192	172	153	134	114	93.4	71.3	45.5	23.4	9.07	2.23	0.61	
-45	429	414	387	354	318	283	251	220	191	165	142	119	96.3	71.0	43.0	19.9	6.36	1.21	
-40	547	511	462	410	359	315	272	233	198	169	143	118	91.9	62.5	32.6	12.3	2.73	0.75	
-35	1016	948	835	700	569	457	371	304	253	210	175	145	118	89.3	58.0	27.3	8.21	1.58	
-30	1417	1258	1048	831	637	489	384	313	255	208	171	139	110	79.3	44.5	16.1	3.44	1.04	
-25	2448	2254	1923	1515	1121	797	566	416	323	258	206	167	135	103	71.1	36.0	10.3	2.08	
-20	3285	2879	2315	1713	1194	805	549	399	309	243	193	155	122	89.1	55.5	20.2	4.05	1.55	
-15	4397	4104	3548	2789	2001	1327	853	560	396	301	234	185	147	113	79.4	44.7	12.7	2.55	
-10	5226	4722	3901	2901	1951	1229	766	502	358	273	212	167	130	95.9	62.4	26.8	4.59	1.92	
-5	5914	5568	4874	3872	2760	1779	1091	673	448	327	250	194	153	117	83.2	49.7	15.8	2.78	
0	6276	5660	4703	3495	2325	1425	856	540	376	283	217	170	132	97.3	63.3	30.9	4.68	2.02	
5	6266	5865	5089	4010	2845	1823	1114	685	453	330	251	195	153	117	83.0	50.1	18.3	2.66	
10	5870	5221	4234	3106	2067	1289	797	517	365	276	213	167	130	95.7	62.4	31.3	5.30	1.63	
15	5021	4637	3948	3053	2163	1418	902	586	408	306	236	185	147	112	79.2	47.6	18.3	2.35	
20	3794	3289	2613	1902	1308	870	586	417	317	246	194	155	121	88.7	57.4	28.2	5.20	0.96	
25	2842	2599	2194	1707	1245	875	611	441	334	263	209	168	134	103	72.1	43.0	16.1	2.00	
30	1647	1451	1197	938	711	535	410	325	261	211	172	139	109	79.6	51.2	24.6	4.60	0.35	
35	1180	1096	956	793	634	499	395	318	260	214	176	145	117	89.1	62.2	36.6	13.2	1.62	
40	629	582	521	453	388	332	281	238	201	170	142	117	91.3	66.1	41.9	19.2	3.58	0.15	
45	480	460	427	385	341	299	260	225	194	167	142	118	95.2	72.3	49.9	28.8	9.74	1.30	
50	312	301	284	264	242	219	196	174	153	133	112	92.0	71.7	51.4	32.2	14.0	2.80	0.10	
55	249	244	235	223	208	192	175	157	140	123	106	88.6	70.9	53.4	36.3	20.1	6.41	1.04	
60	182	178	172	164	155	144	133	120	107	93.3	78.7	63.8	49.1	34.7	20.7	8.15	1.95	0.28	
65	144	142	139	134	127	120	111	102	91.4	80.5	69.1	57.3	45.4	33.6	22.0	11.2	3.63	0.79	
70	105	103	99.5	95.6	90.7	85.0	78.3	70.9	62.8	54.2	45.3	36.4	27.4	18.6	9.91	3.82	1.32	0.38	
75	72.0	71.1	69.5	67.1	64.1	60.4	56.0	51.2	45.8	40.1	34.0	27.9	21.6	15.4	9.52	4.58	1.83	0.59	
80	38.6	37.8	36.7	35.1	33.1	30.7	28.1	25.2	22.0	18.7	15.4	11.9	8.32	5.09	2.84	1.46	0.75	0.45	
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:06 March 2024

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 : 44°-H X 45°-V

one-half-peak spread: U:21.3,D:23.6 , L:23.2,R:21.1

TOTAL FLUX : 44914 lm

LOR : 100.0%

AVAILABILITY FLUX : 36938 lm

AVAILABILITY : 82.2%

