

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	2358.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	1.0 degrees horizontal

Beam Spread	At 10% of Imax	57.4V x 56.8H
	At 50% of Imax	35.4V x 37.8H
	At 90% of Imax	13.5V x 15.7H

Beam Flux	Total	995.9 lumens per klm.
	To 10% of Imax	824.4 lumens per klm.
	To 50% of Imax	545.6 lumens per klm.
	To 90% of Imax	100.2 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.6 %

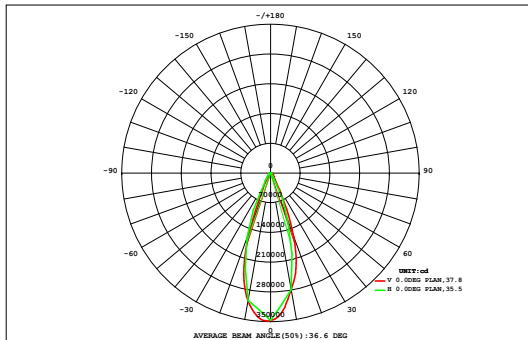
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:04 February 2026

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:9.688m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:275.68V I:3.5984A P:974.72W PF:0.9826 Freq:50.01Hz Lamp Flux:147545x1 lm		
NAME: ASD-SPFL7-HV-A1000D50-BA	TYPE: SPFL7 BA	
SPEC.: 1000W 40D		
MFR.: ASD LIGHTING CORP		



DATA OF LAMP		Eff:151.37lm/W	
MODEL	ASD-SPFL7-HV-A1000D50-BA	Imax (cd)	347918
NOMINAL POWER (W)	1000	AVAILABILITY (%)	83.0
RATED VOLTAGE (V)	277	Avai. FLUX (lm)	122533
NOMINAL FLUX (lm)	147545	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	147545
TEST VOLTAGE (V)	277	θ @50% (H,V)	38,35DEG

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	1.02	5.11	13.1	24.5	38.7	54.8	67.7	76.7	82.7	83.3	76.8	67.4	54.9	38.8	24.6	13.1	5.00	0.97	729	0.00
70	0.89	5.31	15.6	31.2	51.4	76.4	99.2	108	117	117	107	95.5	75.6	51.0	31.2	15.8	5.34	0.88	1004	0.00
60	1.09	6.81	20.7	43.1	77.3	115	178	166	174	178	162	173	114	76.9	44.0	20.8	6.91	1.14	1558	0.00
50	1.40	8.55	25.6	57.3	108	158	276	268	292	301	265	288	157	108	55.8	25.5	8.73	1.48	2404	0.00
40	1.74	10.3	30.1	66.6	118	194	356	474	595	613	485	363	204	116	63.9	29.8	10.4	1.82	3732	0.00
30	1.94	11.5	33.4	74.1	142	293	585	1191	2243	2385	1358	605	301	147	73.4	33.5	11.7	2.05	9491	5881
	1.98	12.1	35.8	78.5	169	401	1004	3460	6411	6678	3993	1193	394	173	79.0	35.5	12.3	2.13	24134	21941
	1.86	11.8	35.4	80.0	184	442	1723	6120	9435	10117	7263	1946	453	186	81.4	35.5	12.2	2.11	38130	36234
	1.67	10.9	32.9	74.2	171	412	1833	5879	9026	9675	6892	1831	401	170	73.8	32.5	11.3	1.98	36530	34744
	1.36	9.23	27.5	60.2	132	317	983	3450	5925	6163	3698	848	304	132	60.1	27.4	9.78	1.68	22148	20307
	1.03	7.05	21.1	45.3	88.0	179	335	777	1646	1530	604	269	163	82.5	43.3	20.7	7.53	1.23	5821	3425
-30	0.68	4.49	14.3	31.3	51.1	82.4	145	135	128	134	123	129	82.2	47.0	29.0	14.0	4.89	0.77	1157	0.00
-40	0.40	2.53	8.48	17.7	26.2	31.8	47.7	43.2	43.6	42.6	37.1	42.0	26.2	23.2	15.9	8.16	2.51	0.41	420	0.00
-50	0.25	1.36	4.60	9.71	12.6	11.7	9.84	3.99	2.84	2.78	2.91	6.59	8.47	11.5	8.26	4.23	1.12	0.21	103	0.00
-60	0.26	1.13	2.97	4.83	5.30	5.39	3.95	3.41	3.91	3.95	3.58	3.43	4.48	4.41	3.74	2.24	0.69	0.16	57.8	0.00
-70	0.39	1.48	2.87	4.38	5.53	6.32	6.73	7.25	7.91	7.89	7.18	6.20	5.36	4.38	3.20	1.82	0.77	0.20	79.9	0.00
-80	0.27	0.96	1.67	2.34	2.99	3.62	4.23	4.82	5.19	5.09	4.58	3.75	2.97	2.22	1.50	0.88	0.42	0.11	47.6	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
	18.2	111	326	705	1382	2784	7658	22166	36137	38035	25082	7871	2753	1372	692	321	112	19.31	147545	---
Φ a	0.00	0.00	0.00	0.00	0.00	0.00	4443	20032	34271	35997	23046	4744	0.00	0.00	0.00	0.00	0.00	0.00	0.00	122533

one-half-peak spread: U:16.4,D:19.2 , L:20.2,R:17.7

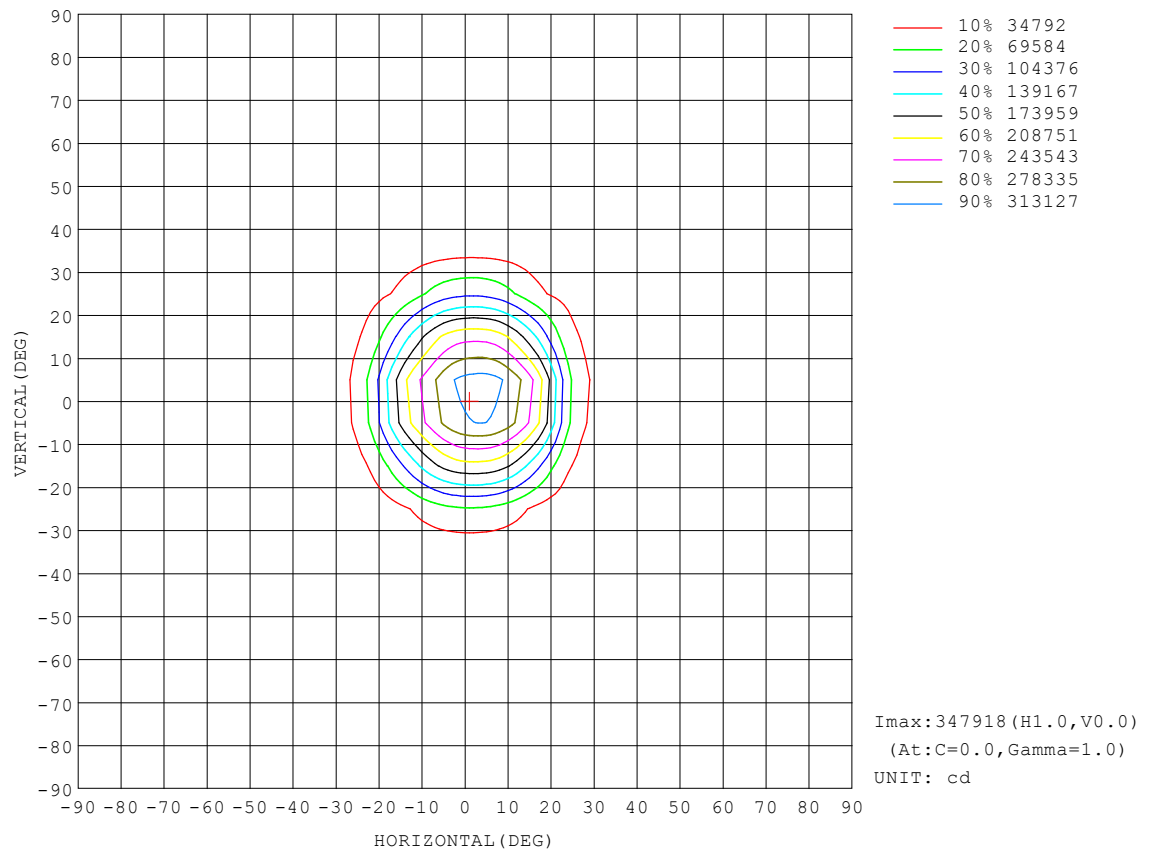
NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:04 February 2026

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:9.688m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:275.68V I:3.5984A P:974.72W PF:0.9826 Freq:50.01Hz Lamp Flux:147545x1 lm		
NAME: ASD-SPFL7-HV-A1000D50-BA	TYPE: SPFL7 BA	
SPEC.: 1000W 40D		
MFR.: ASD LIGHTING CORP		

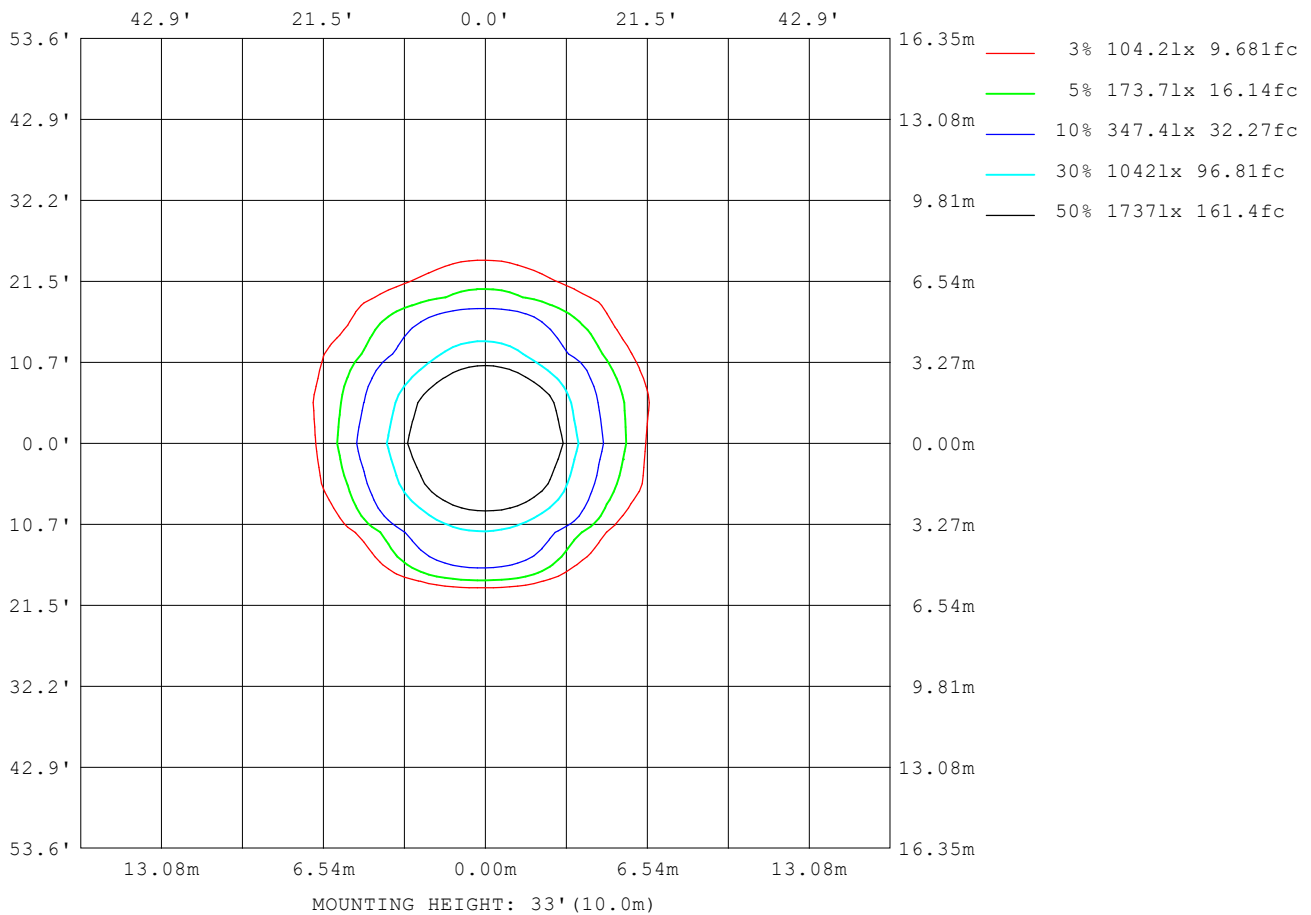


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:04 February 2026

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:9.688m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

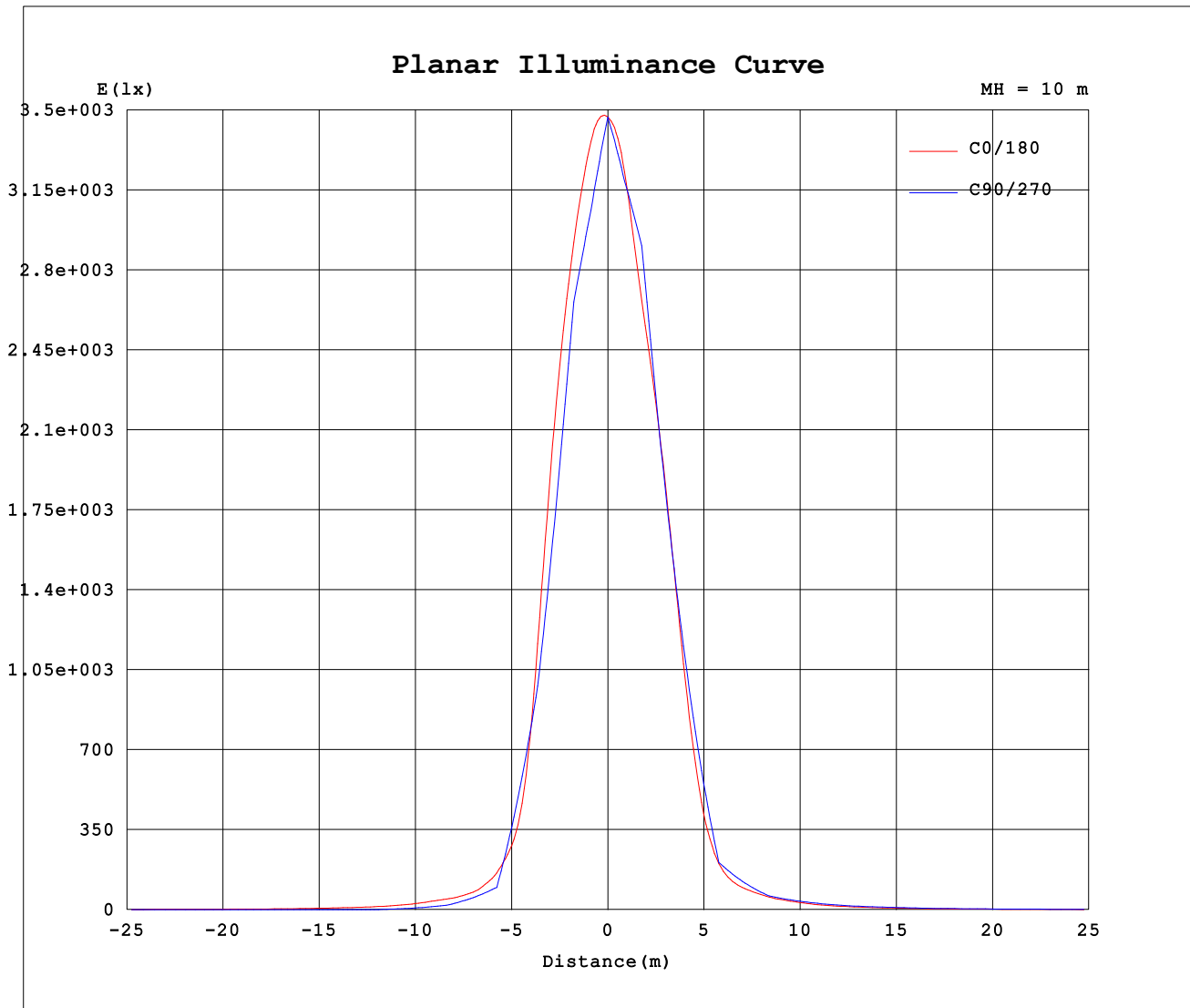
Test:U:275.68V I:3.5984A P:974.72W PF:0.9826 Freq:50.01Hz Lamp Flux:147545x1 lm		
NAME: ASD-SPFL7-HV-A1000D50-BA	TYPE: SPFL7 BA	
SPEC.: 1000W 40D		
MFR.: ASD LIGHTING CORP		



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:04 February 2026

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:9.688m [K=1.0000]
Remarks:

Planar Illuminance Curve

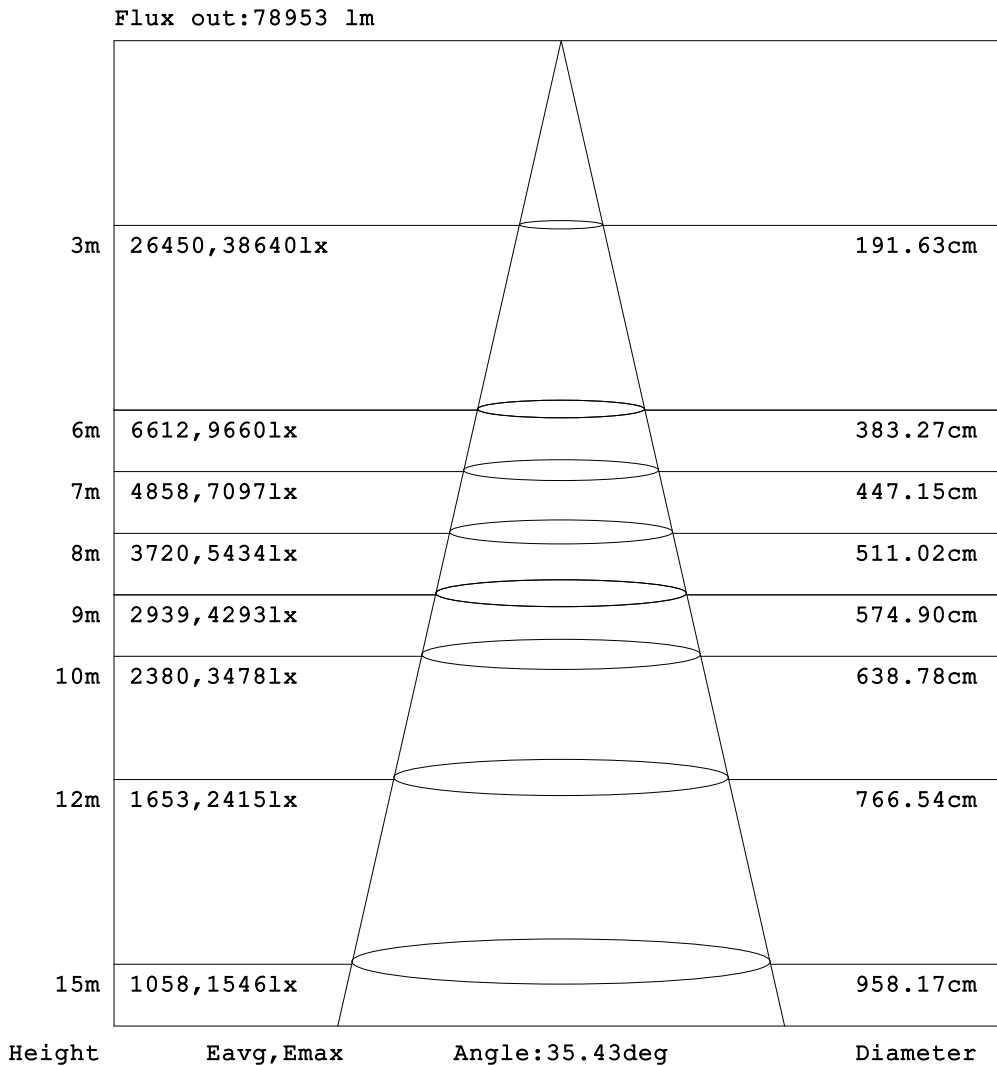


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:04 February 2026

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:9.688m [K=1.0000]
Remarks:

AAI Figure

Test:U:275.68V I:3.5984A P:974.72W PF:0.9826 Freq:50.01Hz Lamp Flux:147545lx 1m		
NAME: ASD-SPFL7-HV-A1000D50-BA	TYPE: SPFL7 BA	
SPEC.: 1000W 40D		
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: 04 February 2026

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: 9.688m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:275.68V I:3.5984A P:974.72W PF:0.9826 Freq:50.01Hz Lamp Flux:147545x1 lm		
NAME: ASD-SPFL7-HV-A1000D50-BA	TYPE: SPFL7 BA	
SPEC.: 1000W 40D		
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	1.39	1.70	2.07	2.23	2.37	2.48	2.58	2.66	2.71	2.75	2.79	2.82	2.86	2.90	2.94	3.01	3.09	3.16	3.17
-75	1.26	1.30	1.68	1.86	2.04	2.28	2.46	2.61	2.71	2.70	2.68	2.67	2.61	2.55	2.49	2.49	2.55	2.62	2.66
-70	0.97	1.21	1.45	1.62	1.90	2.22	2.46	2.66	2.73	2.63	2.57	2.47	2.35	2.14	1.99	2.00	2.07	2.12	2.13
-65	0.91	0.94	1.18	1.40	1.77	2.35	2.78	3.05	3.24	3.10	2.93	2.79	2.55	2.19	1.82	1.59	1.59	1.64	1.66
-60	0.71	0.87	1.06	1.42	2.07	2.87	3.34	3.68	3.69	3.44	3.18	2.94	2.50	1.87	1.44	1.15	1.16	1.18	1.19
-55	0.88	0.88	1.10	1.53	2.37	3.48	4.48	5.17	6.74	6.16	5.87	5.35	5.54	5.60	3.93	2.62	2.19	2.07	2.12
-50	0.91	1.04	1.41	2.21	3.55	4.93	6.25	7.44	9.63	8.61	8.17	7.68	9.07	8.16	5.23	3.67	3.03	3.00	3.04
-45	1.22	1.30	1.72	2.68	4.30	6.21	7.95	9.50	12.7	12.8	12.7	13.3	16.0	19.6	21.4	19.5	19.4	21.5	22.9
-40	1.50	1.79	2.64	4.33	6.55	8.94	10.9	13.5	16.5	16.7	17.5	20.5	26.1	33.1	36.4	34.7	36.7	41.9	43.0
-35	1.76	2.08	2.95	4.82	7.41	10.3	13.1	16.3	21.0	23.6	24.9	30.9	42.8	52.9	66.7	71.2	78.2	90.7	97.2
-30	2.23	2.85	4.49	7.31	10.5	13.9	17.6	22.7	27.3	32.7	35.2	49.4	70.3	84.2	101	111	129	147	151
-25	2.27	2.95	4.58	7.61	11.2	15.1	19.3	24.1	30.7	37.8	47.3	63.3	93.4	120	168	280	450	598	663
-20	2.82	3.97	6.83	10.7	14.9	19.5	24.5	30.4	38.8	49.7	70.4	94.8	143	184	306	570	906	1122	1180
-15	2.63	3.68	6.31	10.2	14.6	19.7	25.2	31.5	40.5	53.6	76.6	108	161	251	524	981	1447	1812	1971
-10	3.19	4.95	8.79	13.1	18.1	24.2	30.4	40.0	50.8	73.2	103	157	230	475	1091	1766	2318	2679	2786
-5	2.98	4.48	7.78	12.1	17.2	23.5	30.1	38.6	50.0	69.0	100	144	216	434	1030	1792	2367	2826	3098
0	3.72	6.19	10.1	14.9	20.9	27.8	35.0	47.1	60.6	89.6	124	177	312	780	1599	2324	2791	3266	3470
5	3.41	5.21	8.64	13.2	18.7	25.5	32.9	42.4	54.7	75.3	109	156	232	464	1088	1894	2481	2951	3226
10	4.17	6.63	10.6	15.5	21.5	28.7	36.4	48.2	61.2	88.2	122	186	271	558	1229	1994	2551	2941	3043
15	3.83	5.61	9.00	13.5	18.9	25.6	33.2	41.8	53.5	71.3	101	141	213	320	644	1170	1706	2135	2321
20	4.58	6.95	10.8	15.6	21.3	28.3	36.1	45.2	57.4	75.2	106	148	214	279	452	794	1241	1544	1631
25	3.99	5.63	8.78	13.0	18.0	24.2	31.3	39.3	50.1	63.5	80.2	107	161	198	282	424	658	873	969
30	4.44	6.52	9.91	14.2	19.4	25.5	32.8	41.8	51.3	65.2	73.5	101	141	179	209	229	268	307	319
35	3.63	5.08	7.85	11.6	16.1	21.7	27.9	35.2	45.7	54.6	60.6	74.9	103	126	162	168	182	211	226
40	3.77	5.61	8.58	12.4	17.1	22.8	28.5	36.1	47.0	51.4	55.8	67.7	86.1	110	122	114	118	132	135
45	2.86	4.11	6.48	9.69	13.7	18.6	23.9	29.7	40.5	47.3	51.6	57.2	74.5	97.9	104	92.5	91.5	99.1	106
50	2.82	4.34	6.76	9.96	14.1	18.6	23.9	28.9	44.2	46.0	51.3	56.7	83.5	96.3	77.7	67.9	69.0	73.7	77.4
55	2.06	3.16	5.11	7.71	11.0	15.0	19.4	23.6	31.1	35.9	40.3	44.4	56.4	71.4	65.4	56.7	56.4	58.5	61.7
60	2.13	3.39	5.36	7.92	11.0	14.8	18.5	21.7	25.5	28.7	32.7	38.3	44.5	45.9	44.2	44.0	45.2	45.8	46.7
65	1.62	2.67	4.15	6.13	8.57	11.5	14.6	17.3	20.5	23.4	26.3	30.2	34.7	36.9	36.8	36.5	37.7	38.2	39.7
70	1.92	2.97	4.40	6.17	8.33	10.7	13.0	15.4	18.0	20.3	22.8	25.5	27.3	28.0	29.0	29.8	30.5	31.7	32.8
75	1.59	2.58	3.67	4.99	6.58	8.40	10.2	11.9	13.9	15.6	17.4	19.5	21.1	21.9	22.6	23.3	24.0	24.4	25.3
80	2.02	2.99	3.94	5.03	6.28	7.49	8.71	9.99	11.2	12.4	13.7	14.8	15.7	16.3	16.8	17.3	17.6	17.8	17.9
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:04 February 2026

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:9.688m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:275.68V I:3.5984A P:974.72W PF:0.9826 Freq:50.01Hz		
Lamp Flux:147545x1 lm		
NAME: ASD-SPFL7-HV-A1000D50-BA	TYPE: SPFL7 BA	
SPEC.: 1000W 40D		
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	3.12	3.04	2.91	2.73	2.57	2.43	2.33	2.21	2.08	1.94	1.81	1.63	1.42	1.21	1.04	0.92	0.73	0.54	
-75	2.62	2.57	2.48	2.36	2.29	2.24	2.22	2.19	2.14	2.07	1.98	1.79	1.57	1.28	1.02	0.88	0.76	0.54	
-70	2.10	2.04	1.96	1.90	1.96	2.04	2.10	2.13	2.13	2.13	2.02	1.80	1.49	1.12	0.86	0.77	0.62	0.45	
-65	1.64	1.61	1.56	1.61	1.78	2.02	2.25	2.41	2.55	2.63	2.61	2.41	2.08	1.50	1.02	0.78	0.67	0.50	
-60	1.17	1.14	1.15	1.42	1.82	2.23	2.56	2.81	3.04	3.14	3.06	2.82	2.26	1.44	0.92	0.70	0.60	0.46	
-55	2.07	1.98	2.20	2.90	4.21	4.98	4.46	4.76	5.47	6.26	4.88	4.47	3.71	2.64	1.65	1.06	0.85	0.69	
-50	2.87	2.87	3.57	5.34	7.63	7.29	6.38	7.37	8.28	9.04	6.27	5.65	4.36	3.01	1.77	1.19	0.99	0.82	
-45	22.7	19.8	18.6	18.4	19.9	17.5	13.4	11.8	11.8	12.3	9.55	8.21	6.86	5.18	3.49	2.10	1.56	1.33	
-40	40.4	35.5	32.9	33.0	30.9	24.0	18.3	16.1	15.7	14.3	11.5	9.80	8.08	5.96	3.93	2.43	1.94	1.68	
-35	94.8	84.0	72.3	65.6	58.2	47.2	36.6	26.7	23.7	20.6	17.3	13.9	11.4	8.94	6.49	4.11	2.78	2.40	
-30	142	123	106	95.7	71.5	65.8	45.2	33.5	29.5	24.6	19.9	15.9	12.8	9.93	7.09	4.37	3.24	2.86	
-25	639	520	331	194	135	98.3	72.7	53.6	40.9	32.2	26.1	20.7	16.6	13.1	9.82	6.69	4.25	3.56	
-20	1062	776	419	240	158	111	81.7	61.8	45.0	34.6	27.5	22.1	17.6	13.5	10.0	6.67	4.43	3.93	
-15	1961	1760	1317	762	339	187	126	85.5	63.1	45.5	35.5	27.4	21.8	16.8	12.6	8.97	5.72	4.46	
-10	2759	2436	1788	874	340	205	130	91.4	64.7	46.7	36.5	28.2	22.0	16.6	12.2	8.49	5.42	4.61	
-5	3129	2916	2411	1557	626	285	167	107	82.9	56.8	43.9	32.6	25.9	19.7	14.5	10.4	6.87	4.95	
0	3402	3059	2463	1404	502	250	141	104	76.5	54.1	42.3	31.7	25.0	18.4	13.3	9.25	6.06	4.89	
5	3263	3051	2548	1649	658	310	182	116	90.5	62.1	48.0	35.6	28.2	21.3	15.6	11.0	7.39	5.13	
10	3031	2707	2051	1010	421	242	152	107	77.7	56.3	43.9	33.5	26.0	19.3	14.0	9.62	6.36	4.95	
15	2315	2076	1568	928	423	247	164	110	83.5	60.2	46.8	35.9	28.3	21.5	15.8	11.1	7.42	5.10	
20	1486	1083	608	366	247	176	119	92.8	67.4	51.5	40.4	32.1	25.0	18.8	13.6	9.40	6.20	4.84	
25	942	777	507	323	234	164	124	89.9	70.0	53.6	42.9	33.9	26.6	20.4	15.1	10.6	7.10	4.87	
30	304	264	223	200	145	129	93.0	68.8	58.5	46.4	37.5	29.4	23.1	17.4	12.7	8.79	5.80	4.53	
35	223	200	173	160	145	110	88.0	65.2	56.9	46.9	38.0	30.0	23.8	18.2	13.5	9.48	6.34	4.33	
40	128	115	110	115	104	81.3	60.3	51.8	47.9	40.3	31.4	25.3	19.9	14.9	10.8	7.43	4.84	3.84	
45	105	95.0	89.6	94.6	105	88.6	61.2	51.4	48.4	44.0	31.4	25.6	20.3	15.4	11.2	7.84	5.19	3.47	
50	74.8	69.7	69.2	85.4	98.9	71.2	50.3	48.7	46.3	37.7	26.5	21.6	16.7	12.3	8.76	5.92	3.69	2.89	
55	61.1	58.2	55.8	60.1	70.0	63.8	45.9	40.1	37.7	34.3	24.7	21.0	16.6	12.4	8.95	6.16	3.98	2.62	
60	45.2	44.5	42.9	42.9	42.7	39.6	34.6	30.1	26.6	23.4	19.9	16.9	13.1	9.52	6.73	4.53	2.77	2.05	
65	38.8	37.6	36.7	35.7	35.4	34.0	30.9	27.2	24.1	21.3	18.2	15.6	12.7	9.50	6.91	4.80	3.07	2.02	
70	31.2	30.3	29.3	28.4	27.3	26.4	24.3	21.6	19.2	16.8	14.3	12.0	9.70	7.23	5.27	3.60	2.34	1.72	
75	24.9	24.0	23.5	22.8	21.9	21.2	20.0	18.1	16.1	14.4	12.5	10.7	8.94	7.07	5.35	3.92	2.72	1.81	
80	17.8	17.5	17.0	16.5	15.9	15.2	14.2	12.9	11.7	10.5	9.25	7.96	6.72	5.44	4.18	3.22	2.33	1.78	
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:04 February 2026

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:9.688m [K=1.0000]

Remarks:

50% Beam Angle : 38°-H X 35°-V

one-half-peak spread: U:16.4,D:19.2 , L:20.2,R:17.7

TOTAL FLUX : 147545 lm

LOR : 100.0%

AVAILABILITY FLUX : 122533 lm

AVAILABILITY : 83.0%

