

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

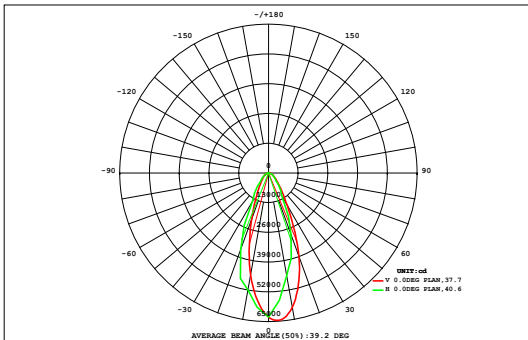
Maximum Intensity (Luminaire orientation as tested.)		1575.6 cd per klm. 0.0 degrees vertical -4.0 degrees horizontal
Beam Spread	At 10% of I <sub>max</sub> At 50% of I <sub>max</sub> At 90% of I <sub>max</sub>	83.1V x 78.3H 40.6V x 37.8H 11.1V x 14.9H
Beam Flux	Total To 10% of I <sub>max</sub> To 50% of I <sub>max</sub> To 90% of I <sub>max</sub>	998.8 lumens per klm. 774.3 lumens per klm. 375.8 lumens per klm. 42.5 lumens per klm.
	Upward LOR Downward LOR	0.0 % 99.9 %
Luminaire Efficiency (Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:19 June 2019

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:119.20V I:2.5864A P:308.31W PF:0.9681 Freq:50.03Hz Lamp Flux:40483x1 lm		
NAME: ASD-SPFL-300D50-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:



DATA OF LAMP		Eff:132.80lm/W	
MODELASD-SPFL-300D50-PRM	Imax (cd)	64512	
NOMINAL POWER (W)	300	AVAILABILITY (%)	77.3
RATED VOLTAGE (V)	120	Avai. FLUX (lm)	31661
NOMINAL FLUX (lm)	40483	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	40483
TEST VOLTAGE (V)	120	θ @50% (H, V)	38,41DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a	
	3.79	7.35	11.1	15.4	19.5	23.2	26.5	29.1	30.5	30.3	28.8	26.4	23.3	19.9	16.0	12.2	7.96	4.12	335	0.00	
64	5.11	8.88	13.5	18.8	24.9	30.5	35.1	38.6	40.5	40.6	38.8	35.3	30.6	25.0	19.5	14.2	9.59	5.84	435	0.00	
56	6.00	11.0	17.2	25.0	34.3	44.7	54.6	62.3	66.7	66.5	61.6	53.8	44.6	35.0	26.2	18.5	12.0	7.05	647	0.00	
48	7.05	13.1	21.3	31.6	44.5	59.6	75.1	87.7	95.1	94.7	86.6	73.7	59.4	45.3	32.8	22.6	14.4	8.12	873	0.00	
40	8.76	16.5	27.4	43.2	64.7	93.6	131	171	196	191	160	120	84.3	57.6	39.2	25.7	15.6	8.49	1454	896	
32	9.83	18.8	32.5	53.6	83.4	128	193	267	312	299	238	166	109	70.6	46.4	29.5	17.7	9.38	2083	1639	
24	10.0	19.8	35.6	60.9	105	191	357	570	694	653	470	279	157	90.7	55.0	34.2	20.0	10.6	3812	3451	
	10.3	20.6	37.5	65.9	117	224	445	767	991	971	722	412	214	114	64.3	38.6	22.3	11.7	5248	4919	
	10.7	21.4	39.4	69.7	127	256	535	896	1128	1102	829	480	238	121	66.2	39.1	22.6	11.7	5993	5678	
	12.2	24.1	44.7	80.3	154	328	665	1011	1189	1085	764	415	205	106	60.1	36.3	20.9	10.7	6213	5898	
	11.6	22.7	41.2	71.7	129	243	452	696	832	770	555	326	175	96.7	57.2	35.4	20.5	10.6	4545	4192	
-24	10.4	20.2	35.6	59.9	99.4	168	283	442	557	546	421	270	158	92.3	56.3	35.3	20.8	10.9	3287	2901	
-32	9.29	17.8	30.3	49.0	75.3	115	172	241	292	294	244	174	114	74.6	49.5	32.4	19.5	10.4	2013	1526	
-40	8.75	16.4	27.2	42.3	61.6	85.7	111	132	141	137	121	99.6	76.9	57.0	41.0	27.8	17.1	9.30	1213	535	
-48	8.48	15.3	24.5	36.0	50.2	66.2	81.2	92.3	95.7	90.2	79.3	66.7	54.7	43.2	31.9	21.8	13.7	7.61	879	26.1	
-56	7.06	12.5	19.2	27.2	36.2	44.8	51.4	56.0	58.4	58.3	55.6	50.4	43.6	35.4	26.5	18.7	12.5	7.31	621	0.00	
-64	5.51	9.51	14.4	20.0	25.9	31.8	36.8	40.5	42.8	43.3	41.6	38.1	33.3	27.5	21.3	15.5	11.4	7.21	466	0.00	
-72	3.71	7.26	11.4	15.5	19.5	22.9	26.3	28.7	30.4	31.0	29.8	27.2	24.2	20.9	17.0	12.6	9.18	5.48	343	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)	16	24	32	40	48	56	64	72				
Φ t	149	283	484	786	1271	2156	3732	5628	6792	6503	4946	3112	1846	1132	726	470	288	157	40460	---	
Φ a	0.00	0.00	0.00	77.1	563	1580	3248	5156	6324	6027	4482	2591	1233	368	12.5	0.00	0.00	0.00	---	31661	

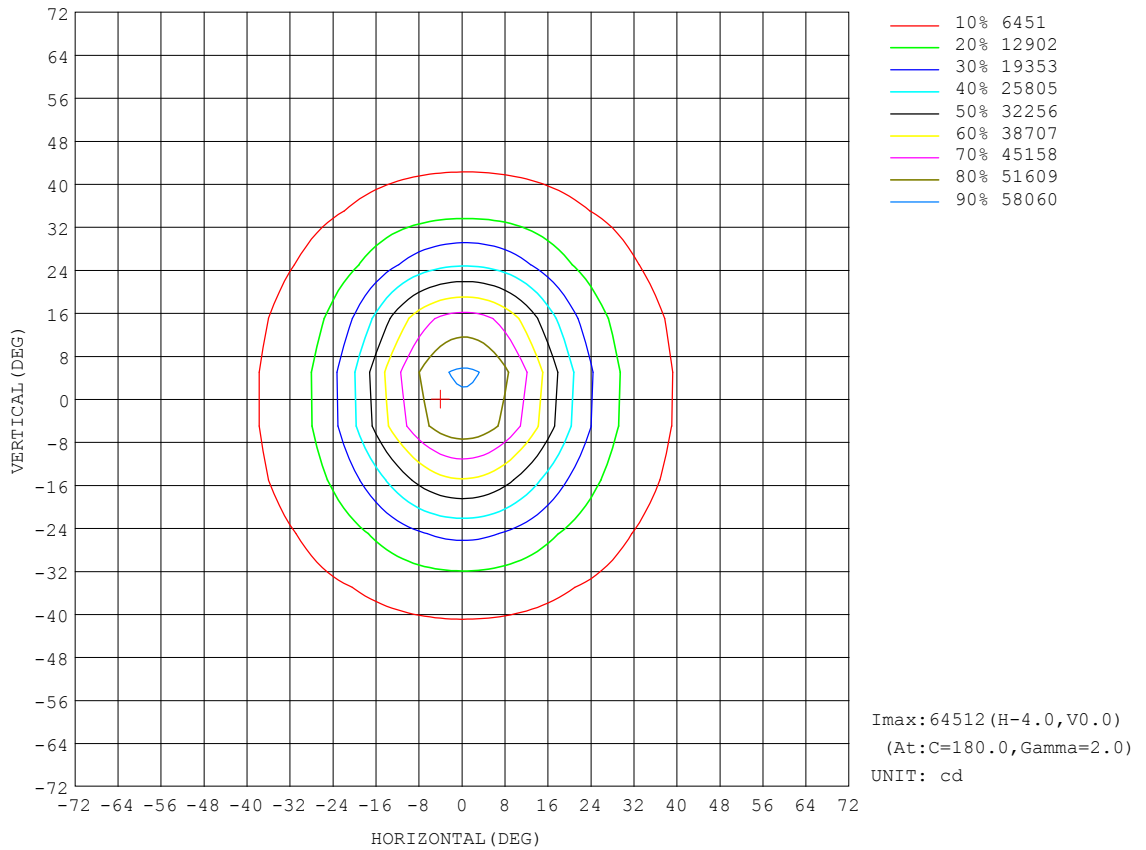
one-half-peak spread: U:18.8,D:22.1 , L:18.7,R:19.3 NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:19 June 2019

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

**ISOCANDELA DIAGRAM**

Test:U:119.20V I:2.5864A P:308.31W PF:0.9681 Freq:50.03Hz Lamp Flux:40483x1 lm		
NAME: ASD-SPFL-300D50-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:

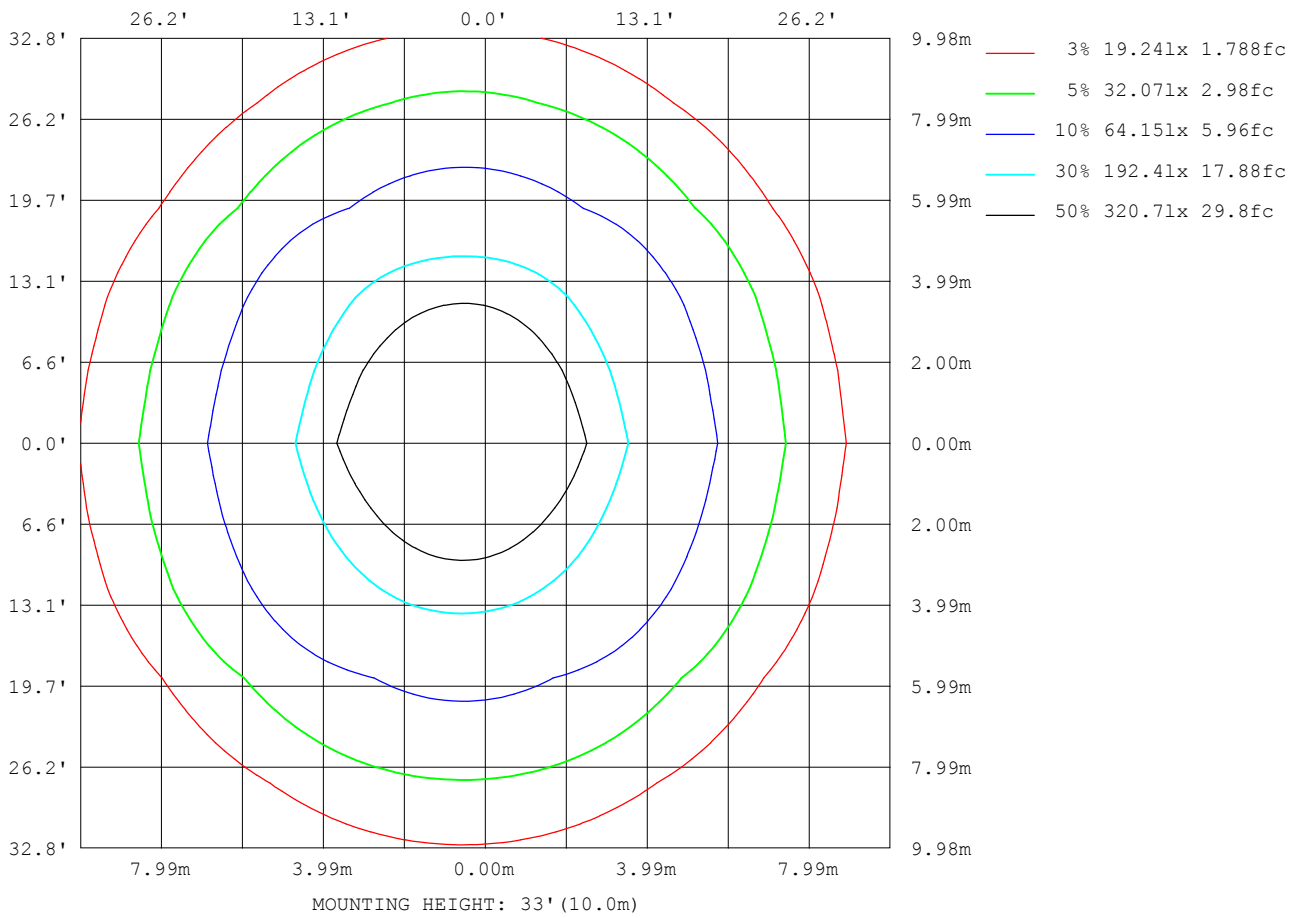


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 Test Speed: HIGH  
 Temperature:25.3DEG  
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 Humidity:65.0%  
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 Remarks:

**ISOLUX DIAGRAM**

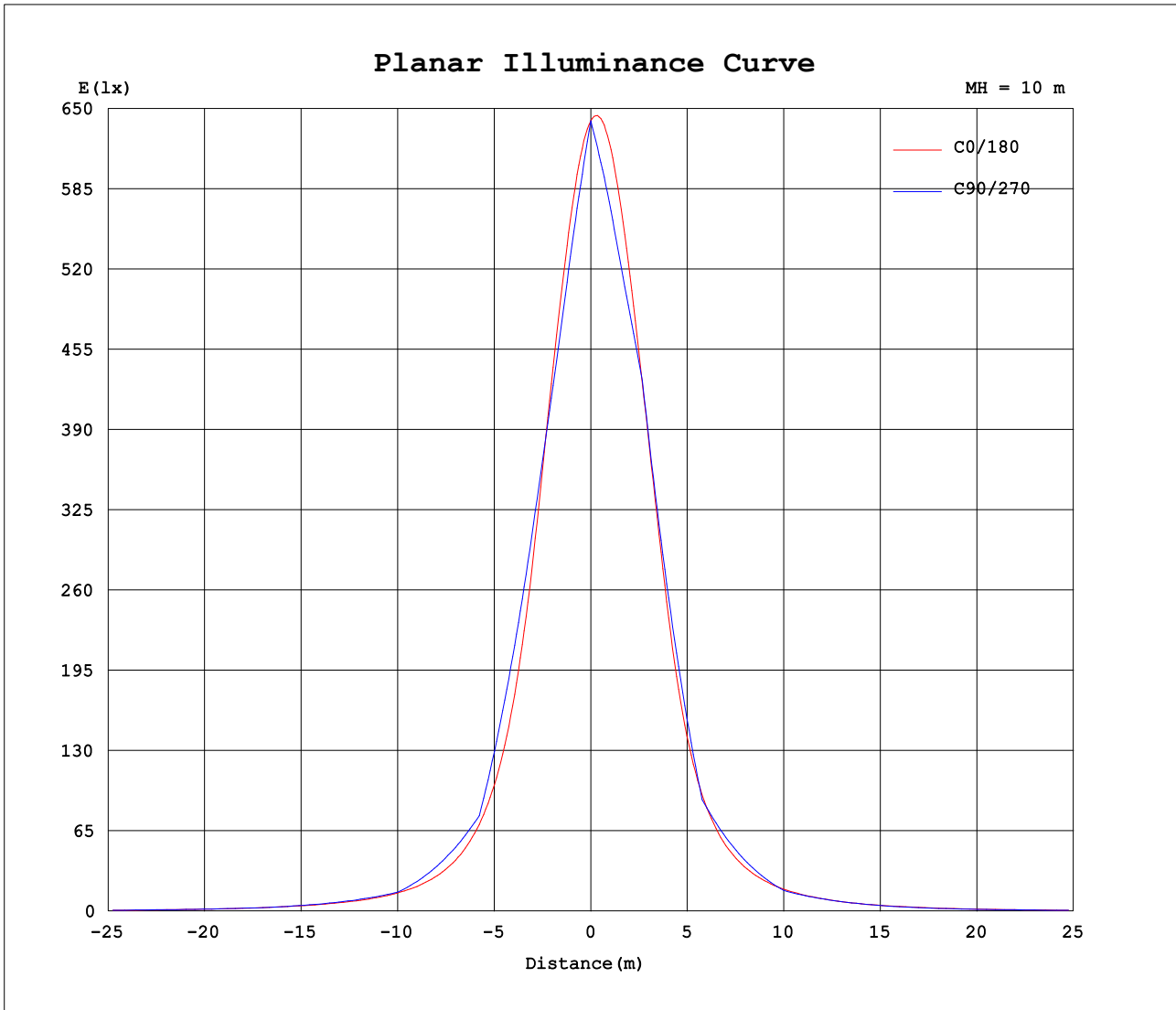
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Temperature:25.3DEG  
Operators:DAMIN  
Test Date:19 June 2019

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V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

**Planar Illuminance Curve**

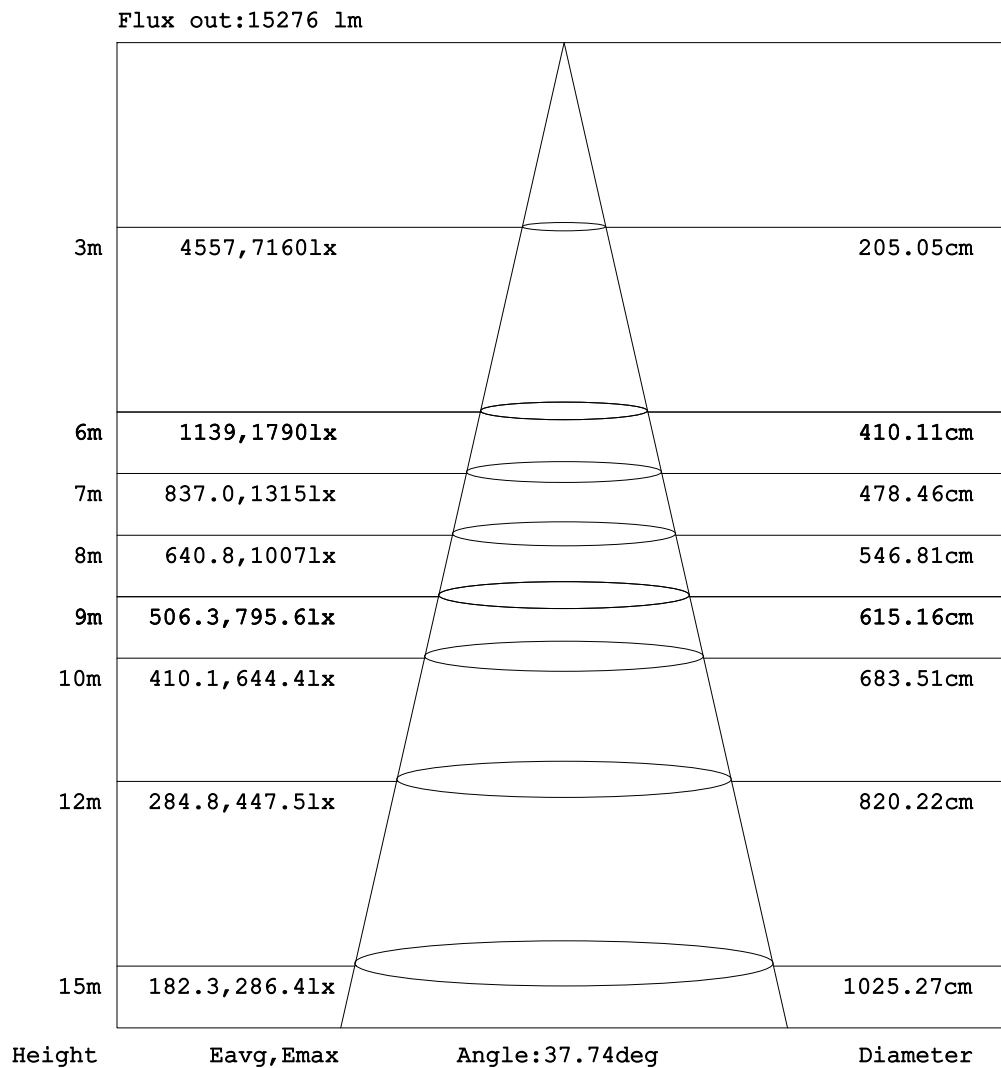


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:19 June 2019

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

**AAI Figure**

Test:U:119.20V I:2.5864A P:308.31W PF:0.9681 Freq:50.03Hz Lamp Flux:40483x1 lm		
NAME: ASD-SPFL-300D50-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:



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

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:19 June 2019

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.20V I:2.5864A P:308.31W PF:0.9681 Freq:50.03Hz Lamp Flux:40483x1 lm		
NAME: ASD-SPFL-300D50-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:

Table--1

UNIT: ×10cd

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	0.52	0.57	1.81	9.22	21.5	35.0	50.2	66.2	77.0	82.0	88.3	91.5	90.4	92.3	96.5	100	102	105	110
-70	0.55	3.85	15.4	31.8	47.4	62.1	77.0	90.4	98.8	108	115	119	124	130	136	139	143	147	149
-65	0.51	0.77	9.22	27.8	48.7	65.9	80.0	94.2	108	119	131	141	150	158	166	173	178	181	185
-60	0.59	8.84	32.1	57.3	77.8	92.4	105	120	135	149	163	177	189	199	208	214	219	222	222
-55	0.52	1.25	18.4	46.5	70.9	90.9	108	126	144	163	183	204	224	243	259	272	283	291	294
-50	0.77	17.4	50.1	75.3	96.2	117	138	161	184	209	236	263	290	312	332	349	361	366	365
-45	0.53	2.00	29.3	65.5	88.3	110	134	160	187	215	246	279	314	346	374	399	420	434	439
-40	1.07	26.5	64.4	89.5	114	141	170	202	239	281	327	380	439	501	565	624	669	691	684
-35	0.53	3.44	40.8	75.0	99.9	128	159	193	232	279	334	395	468	556	653	755	849	918	945
-30	1.49	36.2	75.0	100.0	131	164	201	245	299	365	436	525	636	765	906	1039	1144	1196	1180
-25	0.56	4.85	49.9	82.2	110	144	180	223	276	343	425	530	674	872	1134	1446	1758	1991	2079
-20	1.86	42.1	79.7	107	143	181	227	284	359	450	576	758	1019	1387	1858	2359	2764	2953	2880
-15	0.60	6.25	56.7	86.8	118	157	199	251	319	407	519	685	931	1295	1815	2471	3148	3653	3840
-10	2.17	45.8	82.9	112	151	192	244	311	400	513	683	946	1360	2002	2856	3701	4373	4697	4585
-5	0.60	6.99	58.6	88.2	120	160	204	260	335	432	564	768	1098	1640	2507	3591	4562	5288	5581
0	2.44	47.2	84.5	114	153	197	252	326	423	553	756	1091	1657	2611	3900	5064	5970	6429	6295
5	0.61	6.89	57.7	87.9	119	158	202	259	334	432	564	768	1102	1659	2567	3735	4798	5577	5892
10	2.17	43.7	82.8	110	147	189	241	308	399	513	683	952	1389	2099	3106	4141	4936	5316	5203
15	0.63	5.95	54.0	85.8	114	152	194	247	315	406	519	685	943	1352	1993	2902	3855	4522	4774
20	1.78	38.8	79.3	103	137	175	221	279	355	449	578	767	1055	1498	2133	2840	3383	3636	3564
25	0.64	4.45	46.0	80.7	104	137	174	217	270	339	425	534	686	907	1225	1647	2082	2396	2522
30	1.28	32.4	74.1	94.2	123	156	194	238	293	362	442	536	657	808	983	1162	1311	1391	1378
35	0.64	3.05	37.1	72.6	93.3	120	151	185	225	272	331	397	476	574	691	821	947	1045	1089
40	0.95	24.4	61.8	83.1	106	132	162	194	231	275	325	381	448	525	606	684	748	781	775
45	0.63	1.76	27.3	61.5	80.9	101	125	151	178	206	238	273	312	352	391	424	450	469	477
50	0.70	16.1	46.9	69.1	87.9	109	129	151	174	200	228	258	288	318	344	364	380	387	386
55	0.60	1.02	16.5	43.4	64.5	82.9	100	116	134	152	173	194	216	237	256	272	285	295	299
60	0.55	7.51	29.4	52.3	70.3	85.0	96.2	109	123	137	151	165	177	187	195	202	207	209	210
65	0.58	0.61	7.77	24.7	42.5	58.2	71.4	82.8	93.2	104	117	128	137	146	153	159	165	169	171
70	0.55	3.00	12.5	26.0	39.9	52.9	65.0	73.6	81.5	91.6	99.7	105	111	117	121	126	129	131	131
75	0.57	0.55	1.05	5.55	15.0	27.2	39.4	51.6	56.7	62.3	70.5	74.2	75.9	78.7	82.0	85.0	88.4	91.2	92.2
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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
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  
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Test Date:19 June 2019

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.20V I:2.5864A P:308.31W PF:0.9681 Freq:50.03Hz Lamp Flux:40483x1 lm		
NAME: ASD-SPFL-300D50-PRM	TYPE:	WEIGHT:
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MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:

Table--2

UNIT: ×10cd

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	113	112	108	102	99.8	97.2	95.3	98.9	97.6	88.4	81.8	83.1	67.1	43.3	25.0	10.4	2.07	0.66
-70	148	145	139	134	129	124	122	117	107	96.7	93.3	85.3	65.6	45.1	25.0	7.47	0.93	0.45
-65	186	184	179	173	166	159	151	143	133	120	109	103	96.6	79.8	57.3	31.6	8.46	0.74
-60	220	216	209	201	192	181	168	154	139	125	114	112	102	78.8	49.1	16.4	1.25	0.46
-55	293	287	277	264	250	235	219	200	180	160	142	128	118	101	79.2	52.4	16.3	0.90
-50	357	342	324	304	284	262	239	214	189	166	146	128	109	88.8	68.6	28.7	2.15	0.47
-45	435	421	401	377	351	324	298	269	238	209	182	156	131	108	90.9	72.9	25.6	1.14
-40	650	597	534	471	413	362	318	277	242	208	177	148	121	98.6	82.5	41.2	3.18	0.50
-35	924	860	768	665	566	480	408	350	302	262	222	186	153	123	99.1	83.2	36.0	1.41
-30	1100	978	838	700	580	481	404	345	298	251	208	171	137	108	90.9	53.7	4.33	0.55
-25	2002	1780	1477	1169	904	699	549	441	365	308	257	211	172	137	107	90.2	45.0	1.76
-20	2567	2103	1619	1205	891	669	516	412	339	283	232	187	149	116	94.2	61.8	5.92	0.57
-15	3668	3184	2531	1888	1365	981	719	543	426	346	288	233	187	148	113	93.8	52.7	2.17
-10	4068	3289	2431	1699	1176	831	609	465	371	306	248	198	158	121	95.9	67.1	7.55	0.58
-5	5354	4669	3708	2649	1791	1209	839	608	461	365	300	242	193	152	116	93.4	55.3	2.65
0	5602	4537	3275	2181	1434	968	683	505	392	318	258	205	163	124	95.9	69.7	9.21	0.59
5	5659	4930	3882	2744	1840	1235	853	615	464	366	299	241	193	153	116	91.9	56.1	2.98
10	4615	3675	2647	1809	1238	863	626	473	373	305	247	198	158	121	93.4	67.7	9.34	0.46
15	4584	3967	3053	2173	1510	1061	761	565	436	349	286	231	186	148	112	89.2	55.1	3.15
20	3174	2536	1870	1341	970	711	538	421	341	281	228	185	149	115	89.8	63.3	8.53	0.39
25	2437	2155	1742	1330	1000	756	581	457	370	306	253	207	169	136	105	84.6	49.0	2.47
30	1277	1121	944	776	630	511	419	349	294	245	203	168	136	106	85.2	56.4	6.76	0.38
35	1066	984	867	738	617	512	425	355	301	256	215	180	149	121	96.4	77.7	41.2	1.88
40	731	663	583	504	433	370	316	272	235	201	170	143	118	95.4	77.5	45.4	4.61	0.41
45	471	454	428	396	362	328	293	258	228	200	174	149	125	104	87.1	68.5	31.5	1.36
50	375	357	334	309	283	256	229	204	180	159	138	117	99.1	82.9	64.0	33.4	2.83	0.45
55	297	290	278	263	246	228	209	189	170	152	135	118	102	87.0	72.2	49.4	20.9	0.98
60	208	204	198	190	181	169	157	144	131	118	105	92.0	80.4	68.8	44.6	20.5	1.40	0.50
65	170	168	165	160	154	146	138	129	120	110	101	88.9	76.2	63.8	50.3	30.2	11.1	0.71
70	129	127	124	119	115	110	105	98.9	92.7	87.2	77.9	65.5	51.8	38.8	23.4	9.07	0.90	0.50
75	91.2	89.5	88.0	86.2	83.6	81.3	80.2	78.9	75.4	73.2	70.9	62.6	49.4	34.6	21.3	10.8	2.21	0.54
80	0.00	0.00	0.00	0.00	0.00	0.00	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
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:DAMIN  
Test Date:19 June 2019

V(B) Range:-75 - 75DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
Test Distance:7.890m [K=1.0000]  
Remarks: