

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

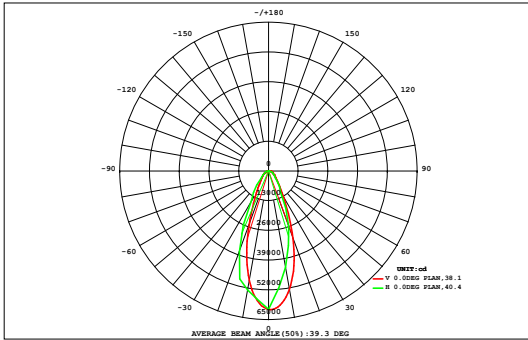
Maximum Intensity		1523.9 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		-1.0 degrees horizontal
Beam Spread	At 10% of Imax	83.3V x 78.4H
	At 50% of Imax	40.4V x 38.1H
	At 90% of Imax	10.7V x 15.5H
Beam Flux	Total	998.1 lumens per klm.
	To 10% of Imax	765.3 lumens per klm.
	To 50% of Imax	381.0 lumens per klm.
	To 90% of Imax	50.9 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.8 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:C  
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:8.000m [K=0.9862]  
Remarks:

**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:277.36V I:1.1739A P:305.72W PF:0.9672 Freq:0Hz Lamp Flux:39757.6x1 lm		
NAME: ASD-SPFL-300D57-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:



DATA OF LAMP		Eff:130.05lm/W	
MODELASD-SPFL-300D57-PRM	Imax (cd)	60586	
NOMINAL POWER (W)	300	AVAILABILITY (%)	76.2
RATED VOLTAGE (V)	277	Avai. FLUX (lm)	30291
NOMINAL FLUX (lm)	39757.6	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	39758
TEST VOLTAGE (V)	277	θ @50% (H, V)	38,40DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a	
	4.01	7.83	11.8	16.2	20.6	24.2	27.6	30.1	31.6	31.5	30.1	27.5	24.1	20.3	16.3	12.4	8.07	4.18	348	0.00	
64	5.66	9.64	14.3	19.8	26.0	31.7	36.5	40.1	42.2	42.3	40.5	37.0	32.0	26.1	20.2	14.5	9.66	5.83	454	0.00	
56	6.63	11.9	18.2	26.0	35.2	45.4	55.3	63.3	68.2	68.3	63.6	55.7	46.3	36.4	27.1	19.1	12.3	7.06	666	0.00	
48	7.69	14.0	22.3	32.5	45.1	59.7	75.2	88.1	96.1	96.5	88.7	75.8	61.4	46.9	34.0	23.5	14.8	8.21	890	0.00	
40	9.22	17.0	27.7	42.6	62.4	89.4	127	171	205	204	170	126	87.5	59.8	40.9	26.9	16.4	8.78	1492	985	
32	10.3	19.3	32.3	51.6	78.4	120	184	266	327	322	258	177	113	73.1	48.4	31.0	18.6	9.79	2140	1722	
24	10.7	20.4	35.2	57.7	95.6	171	326	544	704	702	536	310	165	92.6	56.2	35.3	20.8	11.0	3893	3549	
	11.0	21.4	37.4	62.5	106	200	406	725	982	1016	801	459	222	114	64.4	39.3	23.0	12.0	5302	4984	
	11.5	22.1	38.9	65.1	113	221	461	803	1057	1089	869	516	244	119	65.9	39.8	23.3	12.1	5771	5461	
	12.6	24.1	42.4	71.4	129	262	538	871	1084	1067	813	457	213	108	61.4	37.9	22.1	11.3	5824	5514	
	12.1	23.0	39.7	64.7	109	197	364	582	736	730	558	333	175	96.6	58.1	36.8	21.6	11.2	4148	3805	
-24	11.2	21.1	35.6	56.5	88.4	143	233	363	474	488	391	254	150	89.5	56.2	36.2	21.6	11.4	2924	2544	
-32	10.1	19.0	31.2	48.3	70.2	102	148	205	251	259	222	161	108	72.7	49.8	33.4	20.3	10.8	1822	1333	
-40	9.55	17.5	28.2	42.3	58.7	78.3	98.8	115	124	121	110	93.5	75.0	57.4	42.3	29.1	18.0	9.75	1129	388	
-48	9.16	16.3	25.5	36.6	49.5	63.3	75.7	85.8	90.2	87.4	78.9	68.0	56.9	45.8	34.2	23.5	14.8	8.20	870	7.39	
-56	7.94	13.7	20.9	29.2	38.4	46.7	53.0	57.4	59.7	59.6	57.1	52.3	45.8	37.7	28.5	20.1	13.3	7.96	649	0.00	
-64	6.64	11.0	16.3	22.4	28.8	35.1	40.4	44.3	46.5	46.8	44.8	41.0	35.8	29.7	23.0	16.6	11.9	7.93	509	0.00	
-72	4.56	8.64	13.3	17.9	22.5	26.2	29.9	32.6	34.1	34.6	33.3	30.4	27.0	23.1	19.0	13.8	9.87	5.94	387	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)	16	24	32	40	48	56	64	72				
Φ t	161	298	491	763	1177	1914	3279	5087	6411	6465	5166	3275	1883	1149	746	489	301	164	39219	---	
Φ a	0.00	0.00	0.00	28.3	458	1328	2782	4592	5922	5972	4700	2765	1316	414	14.6	0.00	0.00	0.00	---	30291	

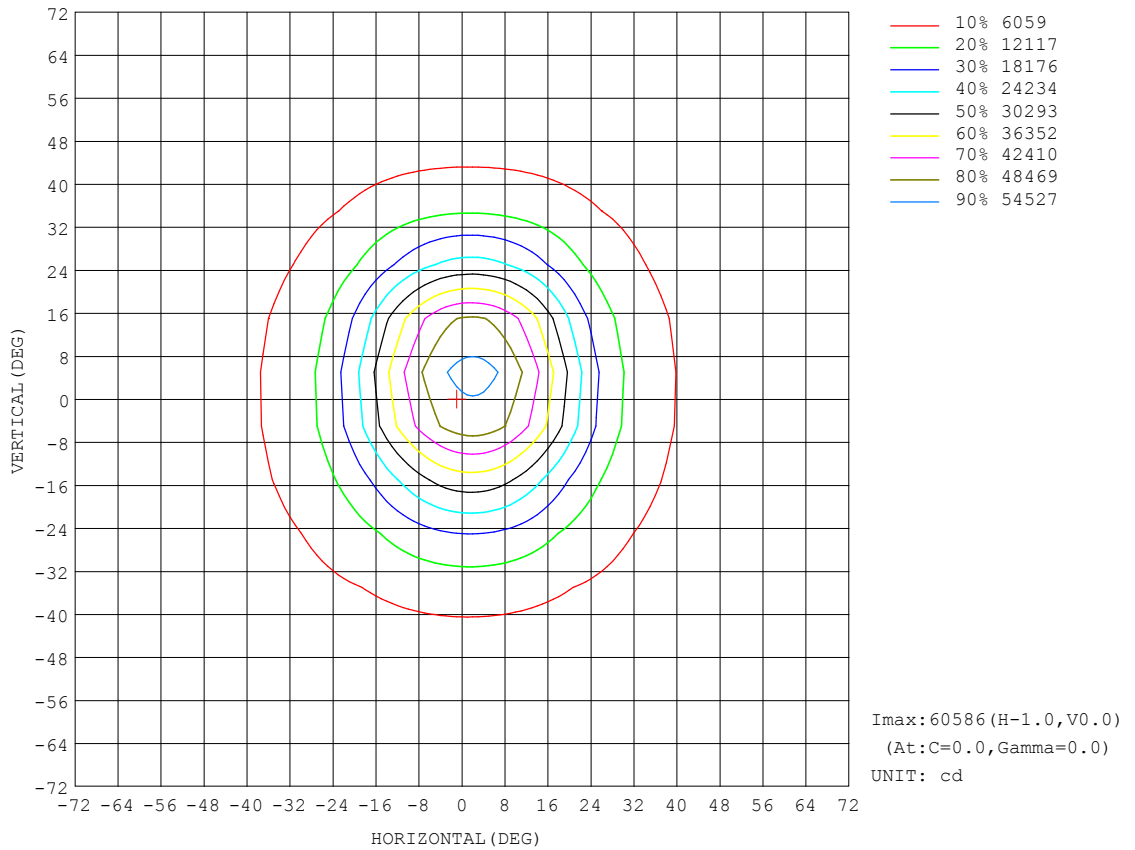
one-half-peak spread: U:17.4,D:23.4 , L:19.6,R:18.8 NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:C  
Test Date: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:8.000m [K=0.9862]  
Remarks:

**ISOCANDELA DIAGRAM**

Test:U:277.36V I:1.1739A P:305.72W PF:0.9672 Freq:0Hz Lamp Flux:39757.6x1 lm		
NAME: ASD-SPFL-300D57-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:

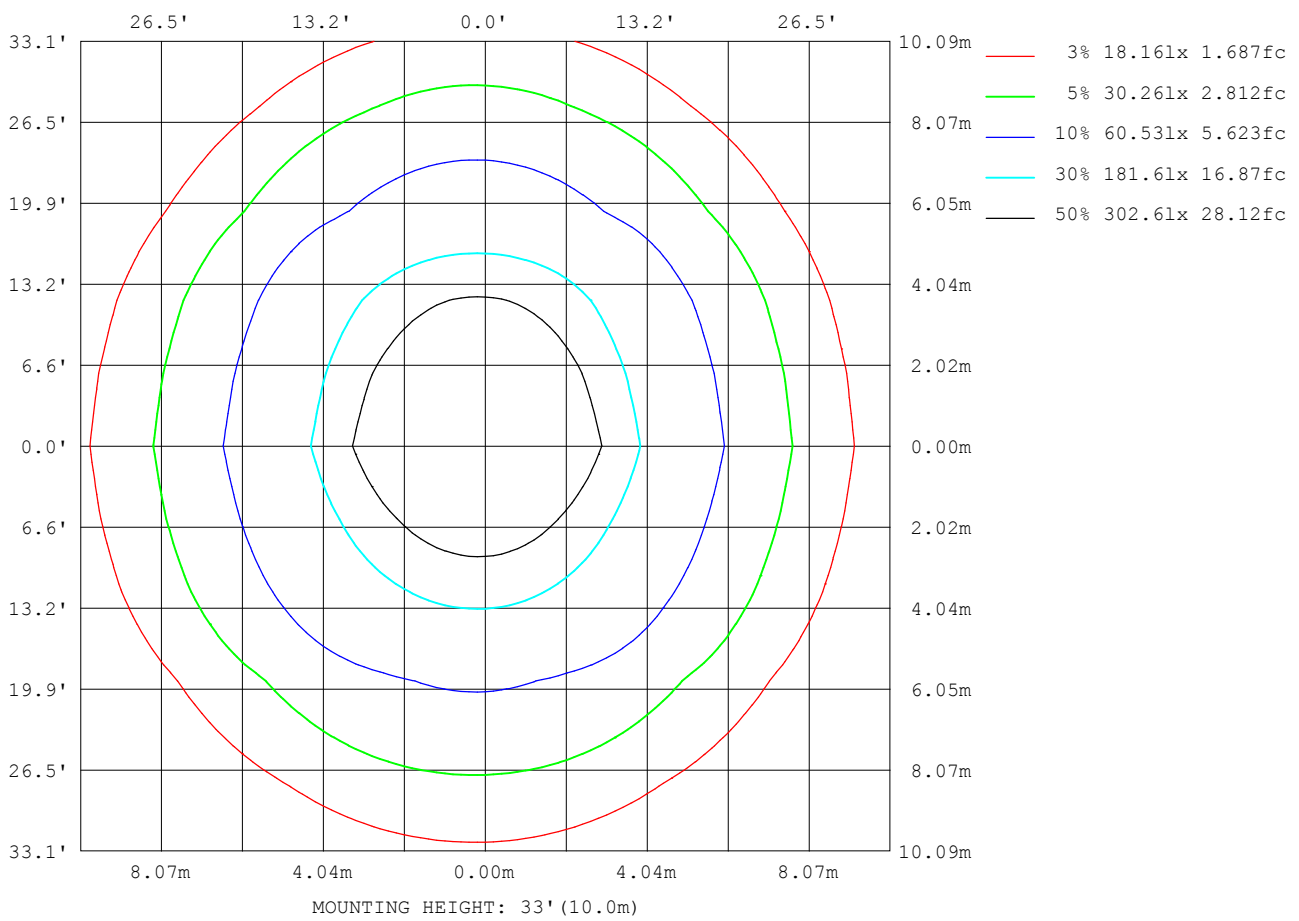


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 Temperature:25.3DEG  
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 Humidity:65.0%  
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 Remarks:

**ISOLUX DIAGRAM**

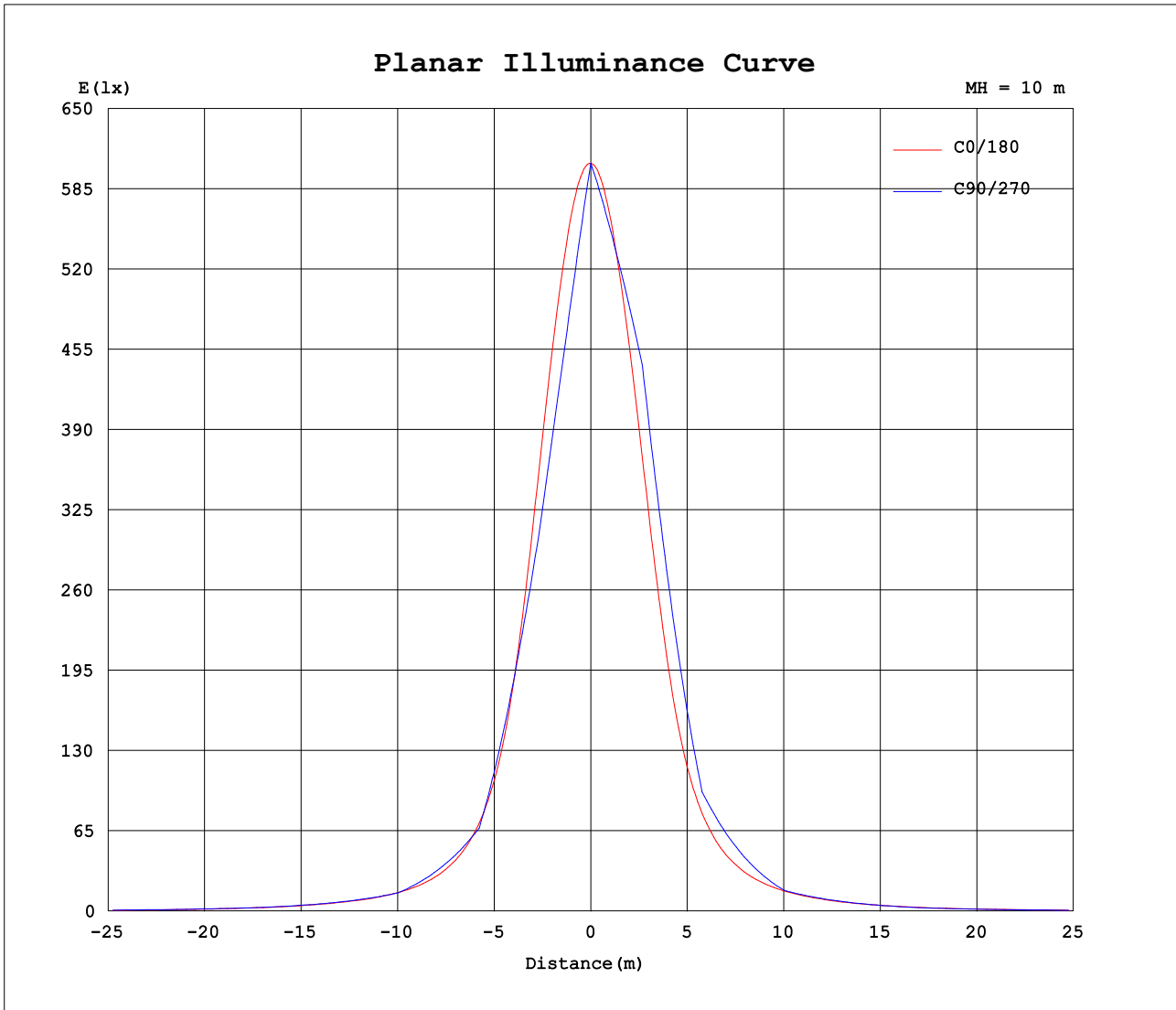
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Test Speed: HIGH  
Temperature:25.3DEG  
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Test Date:19 June 2019

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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:8.000m [K=0.9862]  
Remarks:

**Planar Illuminance Curve**

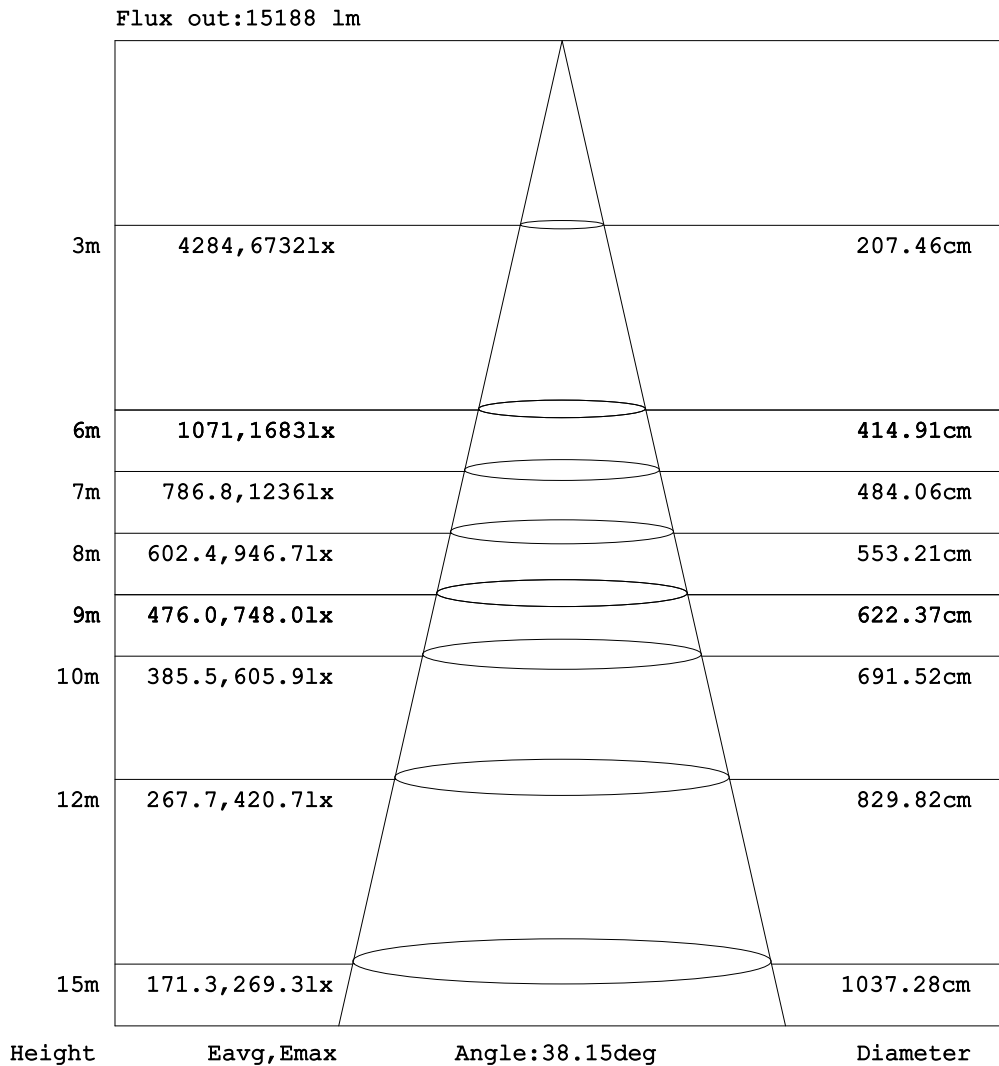


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:C  
Test Date:19 June 2019

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:8.000m [K=0.9862]  
Remarks:

**AAI Figure**

Test:U:277.36V I:1.1739A P:305.72W PF:0.9672 Freq:0Hz Lamp Flux:39757.6x1 lm		
NAME: ASD-SPFL-300D57-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:C  
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:8.000m [K=0.9862]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:277.36V I:1.1739A P:305.72W PF:0.9672 Freq:0Hz Lamp Flux:39757.6x1 lm		
NAME: ASD-SPFL-300D57-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.55	0.61	1.47	11.3	26.8	44.0	63.6	81.6	94.1	99.6	107	112	110	110	116	120	121	122	125
-70	0.55	3.47	15.9	35.8	55.0	72.3	89.2	105	115	124	134	138	141	148	154	158	160	163	165
-65	0.54	0.91	12.7	35.6	60.9	80.2	95.0	110	124	136	149	160	168	177	185	192	197	200	202
-60	0.55	8.71	35.9	66.4	91.3	106	119	133	149	164	178	193	205	216	225	232	237	240	241
-55	0.55	1.82	25.2	58.5	85.9	107	123	142	161	180	200	220	239	255	269	281	291	298	301
-50	0.59	17.1	55.6	85.0	107	127	149	172	196	220	245	270	293	311	328	343	354	360	361
-45	0.56	3.32	39.1	79.9	102	123	149	176	203	230	260	290	321	346	367	387	404	416	421
-40	0.64	25.7	71.2	98.4	122	149	179	210	244	281	319	362	408	455	506	555	596	622	625
-35	0.56	5.39	52.2	88.2	113	141	173	207	244	286	333	381	440	507	583	665	742	802	831
-30	0.69	34.6	82.9	107	137	171	207	247	293	348	402	468	551	649	759	870	965	1026	1035
-25	0.58	7.59	63.0	94.5	122	157	194	235	283	341	407	489	603	759	966	1222	1487	1704	1817
-20	0.73	41.1	88.2	113	149	187	229	279	341	411	504	638	830	1105	1472	1898	2288	2548	2603
-15	0.61	9.93	71.6	98.8	131	170	212	260	321	393	483	615	810	1100	1516	2058	2639	3123	3378
-10	0.76	45.1	91.9	117	156	196	243	300	374	459	586	781	1089	1575	2264	3041	3719	4167	4275
-5	0.62	11.2	74.6	100	133	173	216	268	336	416	524	693	965	1416	2143	3090	4023	4745	5134
0	0.78	46.7	94.2	119	158	200	249	312	393	492	646	897	1325	2059	3134	4297	5258	5883	6051
5	0.63	11.1	74.1	100	131	171	214	267	335	418	528	701	986	1467	2265	3329	4386	5202	5635
10	0.77	43.1	93.0	115	152	192	239	298	374	465	598	810	1160	1749	2646	3668	4568	5148	5282
15	0.65	9.70	70.0	98.0	126	164	206	255	318	398	494	641	872	1254	1881	2777	3727	4493	4883
20	0.75	38.0	89.5	109	142	179	222	273	339	417	522	678	921	1314	1912	2615	3258	3674	3760
25	0.65	7.14	59.5	93.0	116	148	185	226	276	339	415	512	651	859	1174	1601	2054	2426	2617
30	0.71	31.3	83.9	100	128	161	197	237	286	347	418	500	609	753	933	1136	1330	1460	1484
35	0.65	4.70	47.8	84.7	104	131	162	195	233	278	332	392	465	559	678	817	963	1087	1151
40	0.66	23.0	68.1	89.5	111	137	166	197	231	271	316	367	429	503	587	674	755	808	816
45	0.65	2.36	34.9	73.2	90.6	111	136	161	187	215	246	279	316	354	393	426	454	474	484
50	0.61	14.7	50.1	74.5	93.5	114	135	156	178	203	229	258	287	316	343	365	383	393	395
55	0.62	1.24	21.3	51.4	73.1	92.3	110	125	142	161	181	202	223	243	262	279	292	302	307
60	0.58	6.18	29.9	55.5	75.8	92.0	103	114	128	143	157	171	183	193	202	209	214	217	218
65	0.60	0.64	9.93	29.2	48.6	65.1	78.6	90.3	100	112	124	135	144	153	160	166	171	175	177
70	0.58	2.47	12.3	26.8	41.5	55.4	68.6	78.6	85.5	95.8	105	111	116	121	126	130	134	136	136
75	0.59	0.57	0.89	6.65	17.0	29.4	42.5	56.9	61.6	66.8	76.1	80.3	80.8	83.5	86.8	89.2	91.8	94.1	95.0
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  
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V(B) Range:-75 - 75DEG  
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Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
Humidity:65.0%  
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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	129	128	125	119	116	112	109	113	113	102	90.7	90.9	71.0	45.3	26.4	10.7	1.68	0.65
-70	165	162	157	151	146	139	136	133	122	108	101	93.6	74.5	52.4	29.6	9.32	1.00	0.50
-65	203	201	196	189	182	174	165	157	146	131	117	110	102	86.4	60.6	30.7	6.81	0.64
-60	239	234	228	219	210	198	185	169	153	137	123	118	114	90.7	56.1	19.6	1.28	0.51
-55	300	294	286	274	261	246	231	212	191	170	151	134	124	109	83.6	51.7	13.4	0.66
-50	355	345	330	313	295	276	255	230	205	180	157	137	119	98.2	75.6	33.8	2.72	0.53
-45	419	409	393	373	351	329	306	279	248	219	191	163	136	113	95.5	73.8	21.5	0.69
-40	605	566	516	464	414	370	330	292	258	224	191	160	131	106	88.7	48.4	4.45	0.55
-35	821	774	702	618	536	463	402	351	308	270	230	193	159	127	102	84.6	31.1	0.73
-30	989	900	788	672	567	480	410	355	312	268	223	185	149	116	95.3	63.4	6.47	0.59
-25	1791	1631	1375	1093	847	662	528	432	365	313	264	218	178	140	108	91.7	39.7	0.80
-20	2432	2069	1620	1207	891	672	523	423	353	299	247	201	161	124	98.0	71.8	9.04	0.62
-15	3329	2978	2412	1798	1285	925	684	525	419	348	293	238	192	151	114	95.1	47.5	0.91
-10	4000	3391	2597	1811	1221	850	622	478	384	321	264	213	170	129	99.3	76.9	11.5	0.65
-5	5091	4600	3762	2738	1802	1178	808	588	452	365	304	247	198	155	116	94.2	49.5	0.92
0	5694	4865	3717	2484	1556	1015	705	521	407	333	274	220	175	133	99.3	78.9	13.8	0.68
5	5587	5043	4101	2938	1901	1227	832	600	457	366	303	245	197	155	115	92.3	50.1	0.98
10	4938	4165	3109	2074	1351	913	653	492	389	321	262	211	169	128	96.3	75.8	13.7	0.63
15	4816	4307	3429	2398	1584	1074	755	559	434	352	290	235	190	150	112	89.2	49.1	1.08
20	3505	2951	2209	1522	1054	754	564	441	357	296	243	198	158	121	92.2	70.2	12.6	0.59
25	2579	2323	1904	1426	1034	765	582	458	374	310	258	212	173	137	104	83.8	43.3	0.94
30	1392	1221	1019	827	666	537	440	367	311	259	216	179	144	111	86.7	62.0	10.3	0.57
35	1133	1042	906	762	630	520	430	361	308	262	220	184	152	122	94.7	76.1	36.0	0.81
40	778	706	619	533	456	389	333	287	248	213	181	151	123	98.0	79.5	49.8	6.74	0.55
45	480	463	437	406	372	337	301	266	235	206	179	152	127	103	85.1	66.2	27.2	0.69
50	386	370	348	324	297	270	242	215	190	167	145	122	102	84.5	66.2	36.7	3.83	0.55
55	305	298	287	272	255	236	216	195	175	156	137	119	101	86.3	70.0	46.9	17.5	0.61
60	217	213	208	200	190	178	165	151	137	123	108	93.8	81.3	70.8	46.7	22.6	1.55	0.55
65	177	175	171	166	159	151	142	132	122	112	101	88.7	74.9	62.9	48.3	28.0	8.88	0.57
70	135	132	129	124	119	114	108	101	94.4	88.3	79.7	66.9	53.1	40.2	24.6	9.94	0.94	0.55
75	94.5	93.0	91.3	88.8	85.6	82.7	80.6	78.2	74.6	72.3	69.7	61.6	47.7	33.0	20.1	9.45	1.40	0.55
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:C  
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:8.000m [K=0.9862]  
Remarks: