

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		1515.1 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical -2.0 degrees horizontal
Beam Spread	At 10% of Imax	78.5V x 77.6H
	At 50% of Imax	41.0V x 41.1H
	At 90% of Imax	13.1V x 16.5H
Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	796.4 lumens per klm.
	To 50% of Imax	427.0 lumens per klm.
	To 90% of Imax	66.7 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	100.0 %
Luminaire Efficiency (Light Output Ratio)		100.0 %

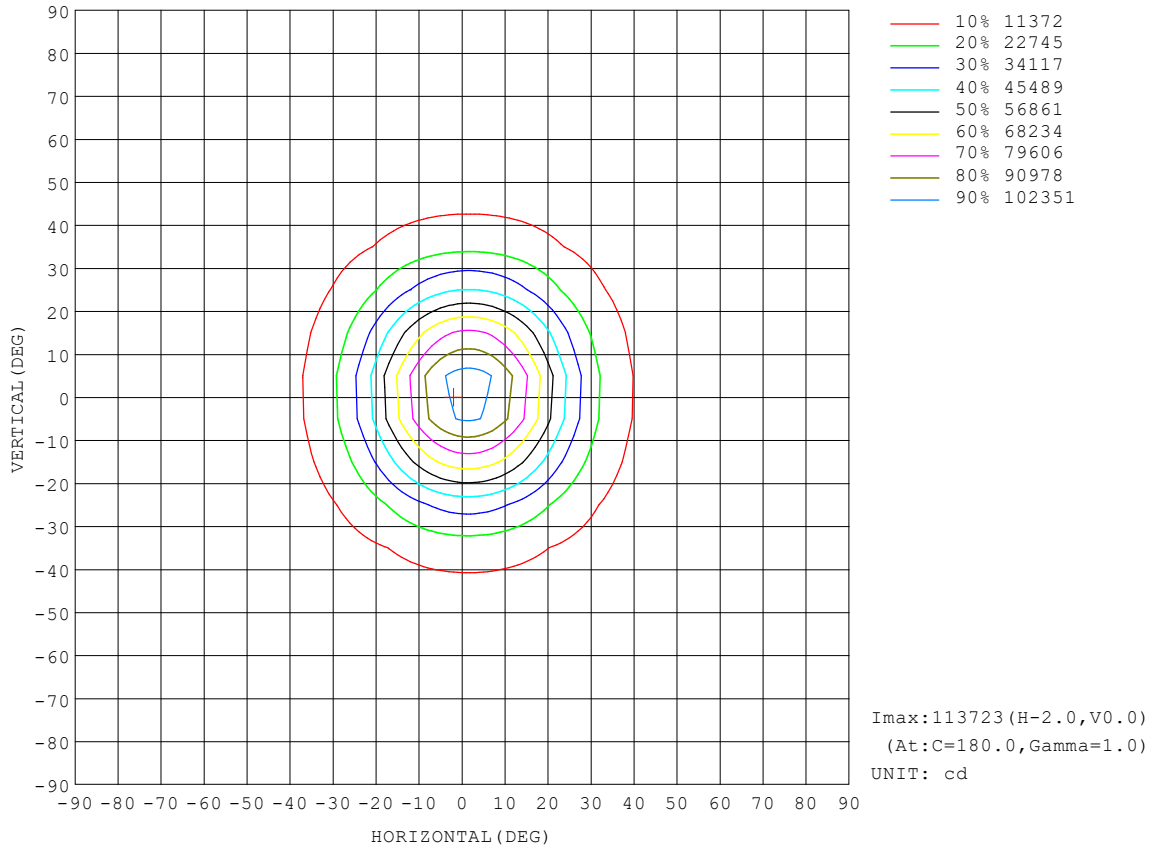
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:03 February 2024

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:480.69V I:1.0658A P:501.53W PF:0.9791 Freq:50.00Hz Lamp Flux:75057.6x1 lm		
NAME: ASD-SPFL7HV-500D50-DMX-L45	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

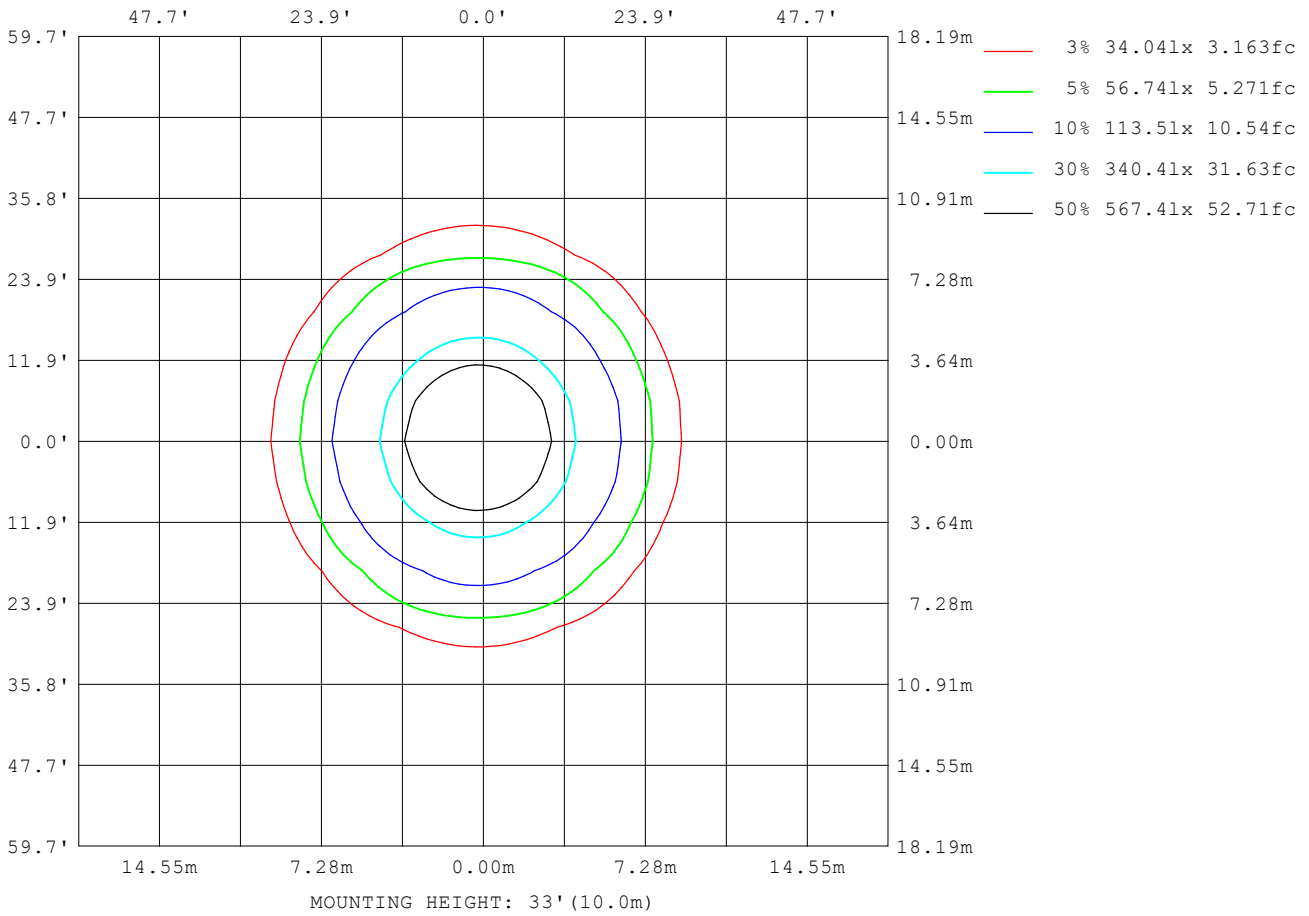


H(β) Range:-90 - 90DEG  
 H(β) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:03 February 2024

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**

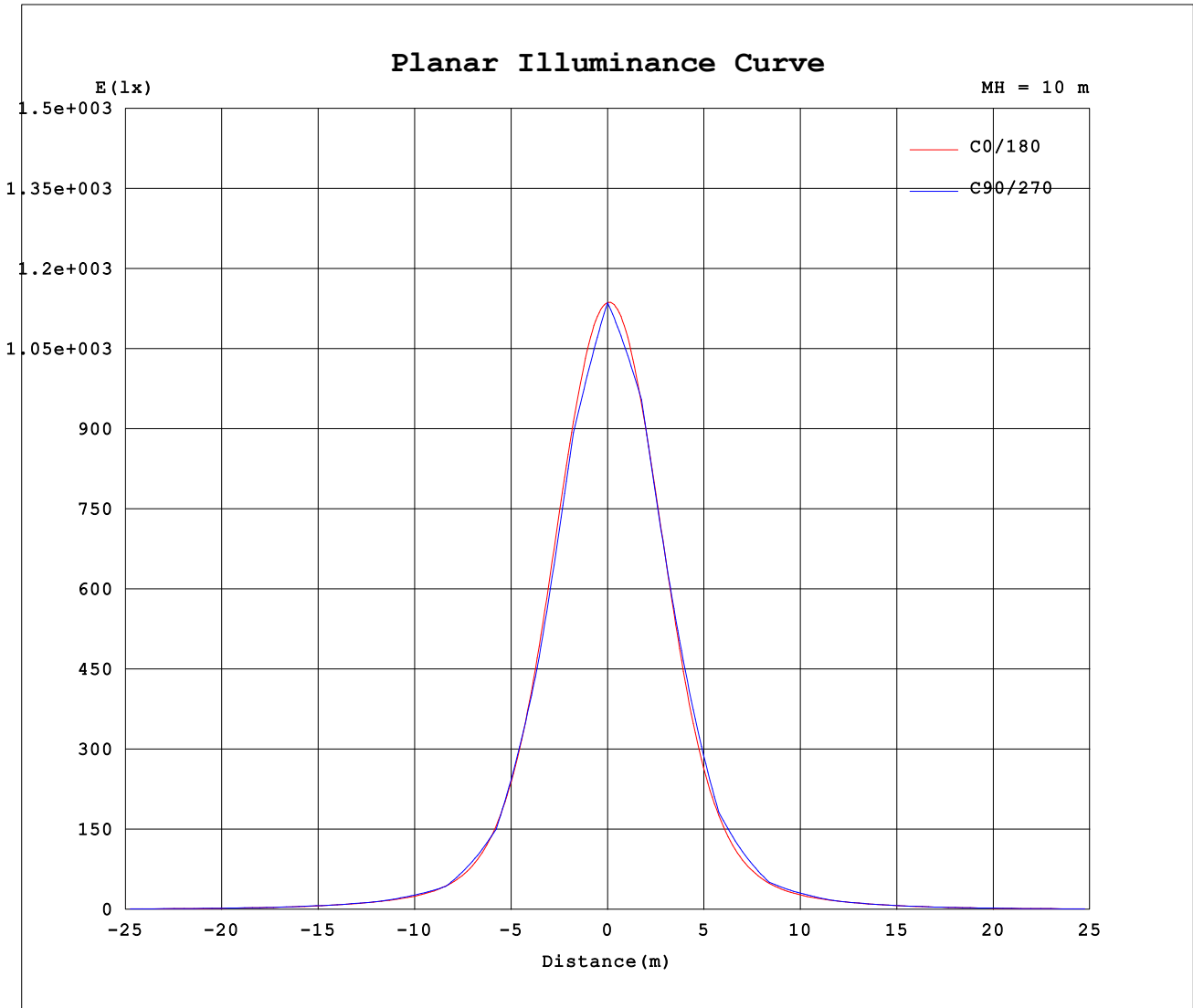
Test:U:480.69V I:1.0658A P:501.53W PF:0.9791 Freq:50.00Hz Lamp Flux:75057.6x1 lm		
NAME: ASD-SPFL7HV-500D50-DMX-L45	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:03 February 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**

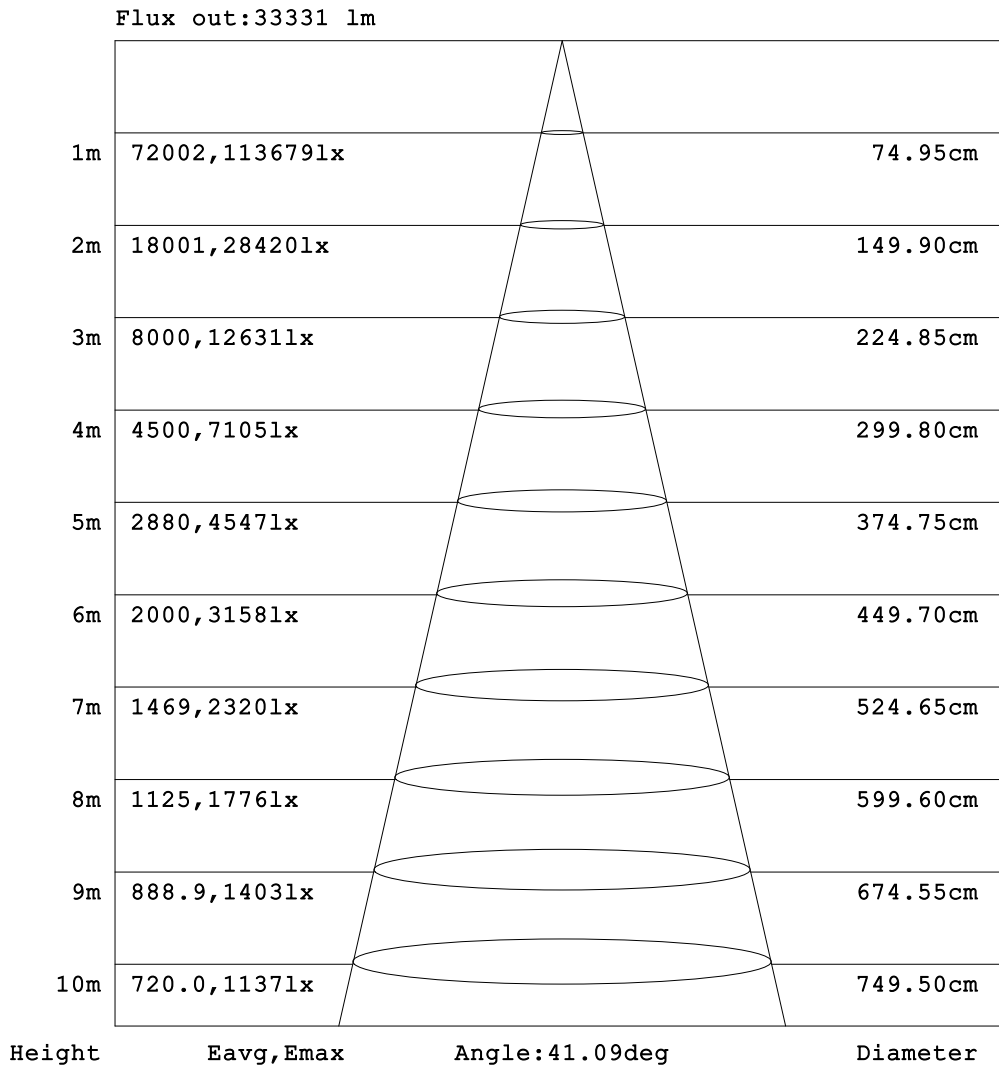


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:S  
Test Date:03 February 2024

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:480.69V I:1.0658A P:501.53W PF:0.9791 Freq:50.00Hz Lamp Flux:75057.6x1 lm		
NAME: ASD-SPFL7HV-500D50-DMX-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:03 February 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:480.69V I:1.0658A P:501.53W PF:0.9791 Freq:50.00Hz Lamp Flux:75057.6x1 lm		
NAME: ASD-SPFL7HV-500D50-DMX-L45	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

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	0.16	0.33	0.54	0.87	1.37	2.01	2.76	3.52	4.26	4.93	5.55	6.13	6.66	7.13	7.53	7.87	8.09	8.20	8.21
-75	0.11	0.23	0.55	1.10	1.96	3.13	4.53	6.01	7.30	8.53	9.65	10.7	11.7	12.6	13.3	13.9	14.4	14.7	14.8
-70	0.15	0.48	1.15	2.27	3.89	5.90	8.10	10.1	11.8	13.5	15.1	16.5	17.8	18.9	19.9	20.5	21.1	21.3	21.2
-65	0.09	0.29	0.94	2.21	4.16	6.71	9.65	12.4	14.8	17.1	19.0	20.8	22.5	24.0	25.2	26.3	27.1	27.7	27.9
-60	0.16	0.74	2.08	4.32	7.38	11.0	14.6	17.6	20.7	23.1	25.2	27.2	29.0	30.6	32.0	33.1	34.0	34.4	34.5
-55	0.06	0.34	1.45	3.62	6.89	11.0	15.3	19.1	22.3	25.5	28.4	31.3	34.5	37.6	40.2	42.4	44.2	45.3	45.8
-50	0.16	1.03	3.13	6.61	11.1	16.2	20.9	24.5	27.9	31.4	35.0	39.2	43.7	47.8	51.2	54.0	55.9	57.0	57.1
-45	0.04	0.42	2.07	5.29	9.98	15.6	20.7	25.1	29.2	33.8	39.2	44.7	50.4	56.0	61.6	67.1	71.8	75.3	76.9
-40	0.17	1.41	4.44	9.30	15.4	21.5	26.0	30.7	35.9	42.7	49.9	57.2	63.8	71.0	78.7	86.1	92.3	96.1	96.6
-35	0.03	0.50	2.71	7.11	13.2	19.8	25.1	30.2	36.3	43.8	52.3	61.2	72.1	85.7	103	123	142	157	164
-30	0.17	1.72	5.70	12.0	19.2	24.8	30.2	36.6	45.5	55.1	64.9	77.8	95.8	120	151	183	211	228	232
-25	0.02	0.58	3.41	9.15	16.3	22.8	28.5	35.0	43.9	54.3	66.0	82.3	108	146	198	258	318	365	388
-20	0.20	2.12	7.40	14.8	21.6	27.5	34.2	43.5	54.5	66.7	84.8	115	163	231	316	407	486	536	543
-15	0.01	0.63	4.25	11.1	18.4	24.5	31.0	39.1	50.1	62.4	79.5	109	160	239	347	475	600	693	738
-10	0.19	2.45	8.99	16.1	22.7	29.0	36.7	47.6	60.0	76.3	105	158	244	371	530	699	836	918	932
-5	0.01	0.66	5.31	12.1	19.2	25.4	32.3	41.5	53.6	67.5	90.1	132	206	322	482	669	843	973	1033
0	0.20	3.39	9.77	16.6	23.2	29.9	38.1	49.6	62.9	82.5	119	185	297	457	657	857	1020	1119	1133
5	0.01	0.83	5.87	12.2	19.2	25.4	32.4	41.6	53.7	68.0	91.3	135	211	331	497	690	867	1002	1065
10	0.20	3.57	9.40	16.1	22.6	29.0	36.8	47.7	60.5	78.0	109	166	259	396	567	744	890	980	997
15	0.00	1.00	5.65	11.6	18.4	24.5	31.0	39.2	50.3	63.4	82.2	115	171	259	379	521	657	761	812
20	0.26	3.45	8.86	15.2	21.6	27.5	34.4	43.7	55.2	68.9	89.9	125	181	260	360	467	559	617	628
25	0.00	0.93	5.08	10.5	16.8	22.6	28.5	35.3	44.2	55.1	68.4	87.7	118	164	225	298	369	426	454
30	0.23	2.87	7.68	13.3	19.3	24.6	30.3	37.0	45.9	56.2	67.9	84.0	107	139	177	217	253	276	281
35	0.00	0.78	4.26	9.02	14.4	19.9	25.0	30.3	36.7	44.5	53.5	64.0	77.4	95.2	118	143	167	187	197
40	0.22	2.36	6.40	11.1	16.3	21.3	25.9	30.9	36.4	43.4	51.1	59.3	67.8	77.6	88.2	98.7	107	113	114
45	0.01	0.61	3.28	7.19	11.6	16.3	20.7	25.0	29.4	34.3	39.9	45.9	52.4	59.2	66.3	73.5	80.0	84.8	87.0
50	0.17	1.63	4.69	8.42	12.5	16.7	20.6	24.3	28.0	31.8	35.9	40.3	45.0	49.3	53.1	56.4	58.7	60.0	60.3
55	0.03	0.43	2.21	5.10	8.43	12.0	15.6	19.0	22.3	25.5	28.7	31.9	35.3	38.5	41.5	44.1	46.1	47.5	48.1
60	0.14	0.99	3.04	5.70	8.66	11.7	14.7	17.6	20.5	23.0	25.3	27.5	29.6	31.4	33.1	34.4	35.4	35.9	36.0
65	0.06	0.28	1.23	3.00	5.20	7.60	10.1	12.5	14.8	17.1	19.1	21.0	22.8	24.4	25.8	27.0	27.9	28.5	28.7
70	0.11	0.47	1.39	2.87	4.62	6.46	8.32	10.2	11.9	13.6	15.1	16.6	18.0	19.2	20.0	20.7	21.2	21.4	21.5
75	0.08	0.17	0.51	1.23	2.25	3.48	4.79	6.12	7.40	8.63	9.76	10.8	11.8	12.8	13.5	14.1	14.5	14.8	14.9
80	0.09	0.20	0.39	0.76	1.33	2.05	2.84	3.62	4.36	5.04	5.69	6.29	6.84	7.30	7.69	8.00	8.20	8.34	8.38
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:03 February 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:480.69V I:1.0658A P:501.53W PF:0.9791 Freq:50.00Hz Lamp Flux:75057.6x1 lm		
NAME: ASD-SPFL7HV-500D50-DMX-L45	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

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	8.11	7.90	7.58	7.21	6.77	6.29	5.74	5.16	4.54	3.88	3.13	2.37	1.70	1.20	0.86	0.62	0.30	0.16
-75	14.7	14.5	14.1	13.5	12.9	12.1	11.3	10.2	9.18	8.05	6.84	5.45	3.99	2.70	1.70	1.02	0.58	0.20
-70	21.0	20.6	20.0	19.1	18.2	17.0	15.6	14.1	12.5	10.8	8.93	6.77	4.68	2.93	1.65	0.85	0.34	0.14
-65	27.8	27.4	26.7	25.7	24.5	23.1	21.6	19.8	18.0	15.9	13.6	11.1	8.28	5.53	3.27	1.68	0.73	0.20
-60	34.1	33.4	32.2	30.9	29.2	27.4	25.4	23.4	21.1	18.4	15.4	12.1	8.48	5.26	2.81	1.23	0.39	0.12
-55	45.6	44.8	43.4	41.4	38.9	36.0	32.8	29.7	26.8	23.8	20.6	17.3	13.3	9.03	5.33	2.60	0.96	0.22
-50	56.4	54.7	52.2	49.1	45.2	40.8	36.3	32.5	28.9	25.5	21.9	17.8	12.9	8.13	4.30	1.76	0.45	0.11
-45	76.4	73.8	69.6	64.4	58.8	53.2	47.6	41.9	36.4	31.3	27.0	22.9	18.3	13.0	7.77	3.68	1.25	0.25
-40	93.7	88.1	80.8	73.0	65.5	58.8	51.8	44.7	37.6	32.0	27.2	22.6	17.4	11.5	5.88	2.31	0.55	0.13
-35	162	151	134	115	95.4	79.2	66.7	56.6	48.1	40.1	33.1	27.6	22.6	16.9	10.7	4.98	1.59	0.30
-30	219	195	165	133	105	83.8	68.9	58.3	48.7	39.5	32.3	26.5	21.2	14.9	8.22	3.02	0.66	0.19
-25	381	346	293	232	174	128	94.4	73.2	59.6	49.1	39.3	31.7	25.6	19.9	13.4	6.66	1.94	0.38
-20	507	437	348	259	184	128	92.0	70.9	57.7	46.6	36.7	29.5	23.4	17.2	10.4	3.76	0.78	0.28
-15	726	659	551	422	301	204	135	93.5	70.2	56.2	44.7	35.0	27.9	21.8	15.2	8.37	2.43	0.46
-10	877	759	600	435	294	189	123	85.2	64.8	51.8	40.4	31.7	25.0	18.6	12.0	5.05	0.89	0.35
-5	1016	925	776	592	414	270	170	110	77.7	60.3	47.7	36.9	29.2	22.7	16.1	9.47	3.05	0.50
0	1064	923	734	528	351	219	136	91.1	67.6	53.5	41.5	32.2	25.4	18.9	12.3	5.74	0.99	0.36
5	1049	956	803	614	429	278	174	112	78.6	60.6	47.9	37.1	29.2	22.8	16.2	9.74	3.53	0.49
10	940	817	648	470	315	201	128	87.9	65.9	52.3	40.8	31.9	25.1	18.7	12.2	5.99	1.09	0.27
15	800	728	610	468	331	221	145	98.2	72.3	57.0	45.3	35.4	28.1	21.9	15.5	9.32	3.58	0.45
20	588	507	403	297	206	141	98.7	74.0	59.0	47.3	37.1	29.8	23.6	17.4	11.3	5.49	1.17	0.15
25	447	407	343	269	198	142	103	77.3	61.4	49.9	40.1	32.2	25.9	20.2	14.2	8.44	3.24	0.40
30	265	234	194	154	119	91.9	73.2	60.1	49.6	40.5	32.8	26.8	21.4	15.7	10.1	4.82	0.99	0.06
35	195	181	158	132	108	86.8	70.9	58.8	49.3	41.0	33.8	28.0	22.8	17.6	12.3	7.20	2.70	0.33
40	110	102	91.5	80.7	70.5	61.5	53.3	45.8	38.7	32.7	27.6	22.7	18.0	13.1	8.30	3.85	0.78	0.02
45	86.3	82.8	77.0	70.1	62.8	55.8	49.3	43.1	37.4	32.1	27.4	23.1	18.8	14.3	9.93	5.67	2.05	0.27
50	59.3	57.4	54.4	50.7	46.7	42.2	37.7	33.5	29.6	25.8	22.1	18.2	14.2	10.3	6.36	2.87	0.60	0.02
55	48.0	47.0	45.3	43.0	40.3	37.2	33.9	30.5	27.3	24.1	20.9	17.6	14.1	10.7	7.24	3.99	1.38	0.22
60	35.6	34.8	33.6	32.0	30.2	28.2	26.0	23.7	21.2	18.6	15.7	12.8	9.90	6.96	4.13	1.76	0.41	0.04
65	28.7	28.3	27.5	26.5	25.2	23.7	22.0	20.2	18.3	16.1	13.9	11.6	9.18	6.79	4.43	2.32	0.80	0.17
70	21.3	20.9	20.3	19.4	18.4	17.2	15.9	14.4	12.8	11.1	9.26	7.43	5.57	3.73	2.09	0.85	0.27	0.05
75	14.9	14.7	14.4	13.9	13.2	12.4	11.5	10.6	9.47	8.29	7.05	5.74	4.43	3.13	1.95	0.99	0.40	0.13
80	8.28	8.12	7.88	7.53	7.10	6.60	6.03	5.42	4.75	4.04	3.28	2.47	1.70	1.05	0.58	0.31	0.16	0.08
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:03 February 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 : 41°-H X 41°-V

one-half-peak spread: U:19.5,D:21.9 , L:20.3,R:21.1

TOTAL FLUX : 75058 lm

LOR : 100.0%

AVAILABILITY FLUX : 59731 lm

AVAILABILITY : 79.6%

