

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1839.9 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	-3.0 degrees horizontal

Beam Spread	At 10% of Imax	71.9V x 69.2H
	At 50% of Imax	34.8V x 36.0H
	At 90% of Imax	7.9V x 14.0H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	761.4 lumens per klm.
	To 50% of Imax	391.7 lumens per klm.
	To 90% of Imax	50.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

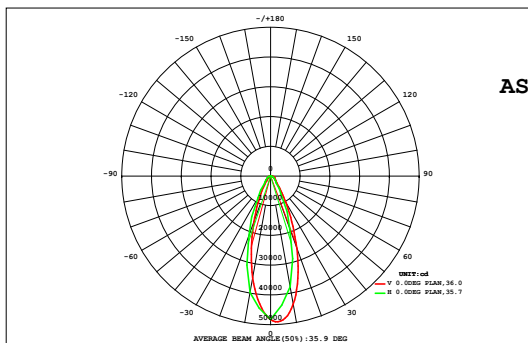
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:04 June 2024

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:484.70V I:0.6790A P:324.44W PF:0.9858 Freq:49.99Hz Lamp Flux:26653.4x1 lm		
NAME: ASD-SPFL7HV-450RGBW-DMX	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:82.15lm/W	
ASD-SPFL7HV-450RGBW-DMX		Imax (cd)	49039
NOMINAL POWER (W)	330	AVAILABILITY (%)	76.2
RATED VOLTAGE (V)	480	Avai. FLUX (lm)	20321
NOMINAL FLUX (lm)	26653.4	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	26653
TEST VOLTAGE (V)	480	θ @50% (H,V)	36,35DEG

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	0.03	0.42	1.78	4.17	7.22	10.5	13.6	16.1	17.5	17.6	16.3	14.0	11.0	7.76	4.60	2.05	0.57	0.06	145	0.00
70	0.08	1.07	3.92	8.43	14.0	19.8	25.0	29.3	31.6	31.7	29.4	25.3	20.2	14.6	8.91	4.24	1.24	0.11	269	0.00
60	0.15	1.84	6.25	13.0	21.1	29.3	37.5	44.9	49.1	49.2	45.3	38.4	29.8	21.4	13.4	6.59	2.02	0.19	409	0.00
50	0.22	2.58	8.44	17.1	27.4	40.3	54.9	68.9	78.0	78.2	69.2	55.0	41.1	28.0	17.4	8.81	2.77	0.27	598	0.00
40	0.30	3.25	10.4	20.5	34.9	55.3	81.0	119	155	157	124	82.8	55.4	35.7	20.8	10.6	3.42	0.34	970	314
30	0.36	3.78	11.8	23.6	43.3	72.5	142	273	400	406	284	148	72.6	43.3	24.1	12.0	3.97	0.40	1963	1534
	0.42	4.20	12.8	26.5	49.9	100	257	565	859	859	569	260	99.2	48.8	26.9	12.9	4.32	0.44	3756	3416
	0.43	4.40	13.3	28.3	54.2	126	371	854	1304	1283	823	355	121	52.1	28.5	13.4	4.52	0.44	5435	5124
	0.43	4.42	13.4	28.6	55.1	132	387	880	1317	1273	799	339	116	51.4	28.2	13.3	4.45	0.40	5443	5133
	0.36	4.14	12.9	27.0	50.6	106	275	589	861	822	516	231	90.6	48.1	26.5	12.9	4.14	0.33	3677	3335
-30	0.30	3.66	12.0	24.4	44.0	76.5	151	276	368	341	226	119	64.5	42.8	23.3	11.8	3.48	0.25	1788	1361
-40	0.24	2.95	10.5	20.9	36.0	55.0	79.0	108	127	119	92.4	67.6	52.2	35.4	20.2	10.3	2.67	0.19	839	103
-50	0.20	2.30	8.52	17.4	28.1	41.9	53.8	61.9	64.4	62.3	57.9	51.8	40.8	26.8	17.0	8.03	1.86	0.14	545	0.00
-60	0.16	1.65	6.25	13.4	21.2	29.0	37.9	45.5	49.1	48.9	44.9	37.1	28.0	20.7	13.0	5.53	1.25	0.10	404	0.00
-70	0.14	1.16	4.11	8.95	14.6	20.0	24.6	27.8	29.5	29.3	27.1	23.8	19.5	14.0	8.14	3.24	0.72	0.07	257	0.00
-80	0.14	0.79	2.23	4.62	7.42	10.4	13.1	15.2	16.2	16.1	14.7	12.6	9.66	6.64	3.72	1.39	0.34	0.04	135	0.00
-90	0.10	0.32	0.63	1.02	1.45	1.85	2.20	2.42	2.43	2.28	2.00	1.59	1.13	0.69	0.29	0.10	0.04	0.01	20.5	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	4.06	42.9	139	288	511	927	2006	3975	5728	5595	3739	1860	872	498	285	137	41.8	3.77	26653	---
Φ a	0.00	0.00	0.00	0.00	0.00	264	1450	3471	5249	5124	3255	1308	200	0.00	0.00	0.00	0.00	0.00	---	20321

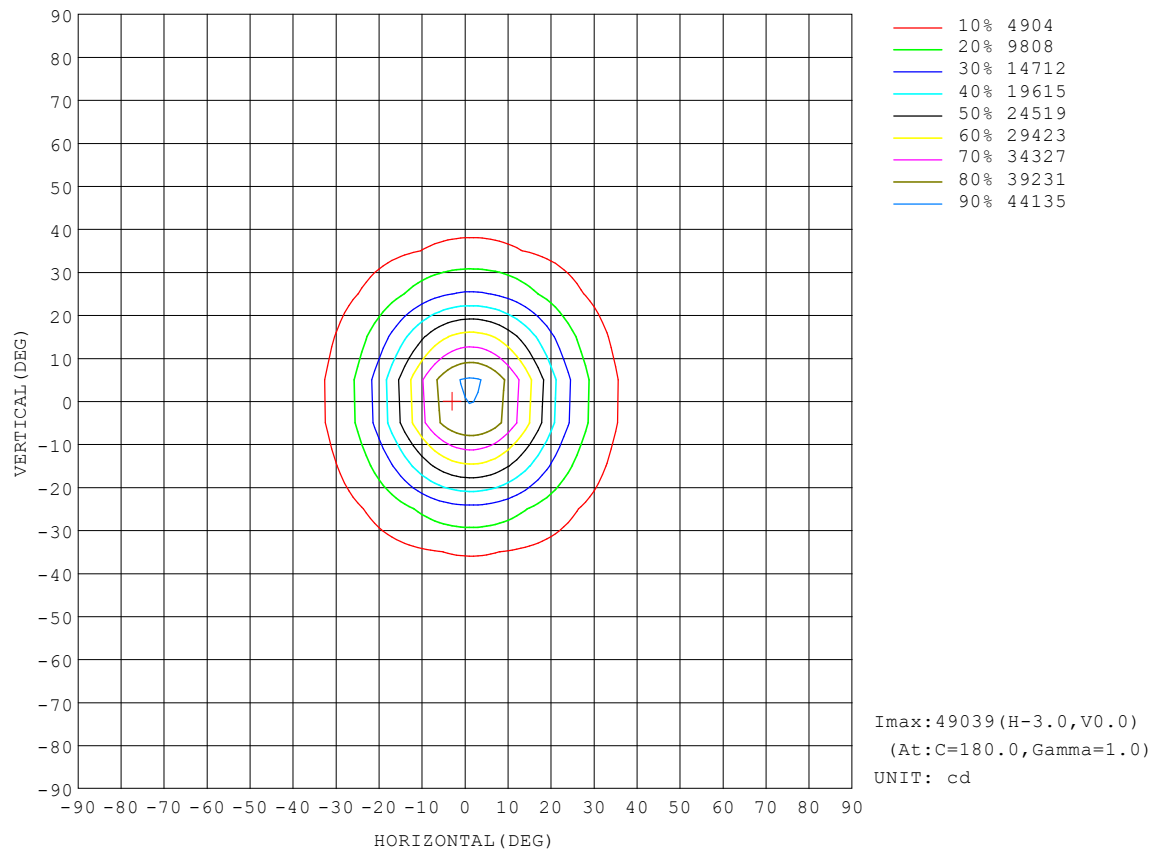
one-half-peak spread: U:16.8,D:18.3 , L:17.8,R:18.3
 Beam Type: Type 4 x 5 (H x V)

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:04 June 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:484.70V I:0.6790A P:324.44W PF:0.9858 Freq:49.99Hz Lamp Flux:26653.4x1 lm		
NAME: ASD-SPFL7HV-450RGBW-DMX	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

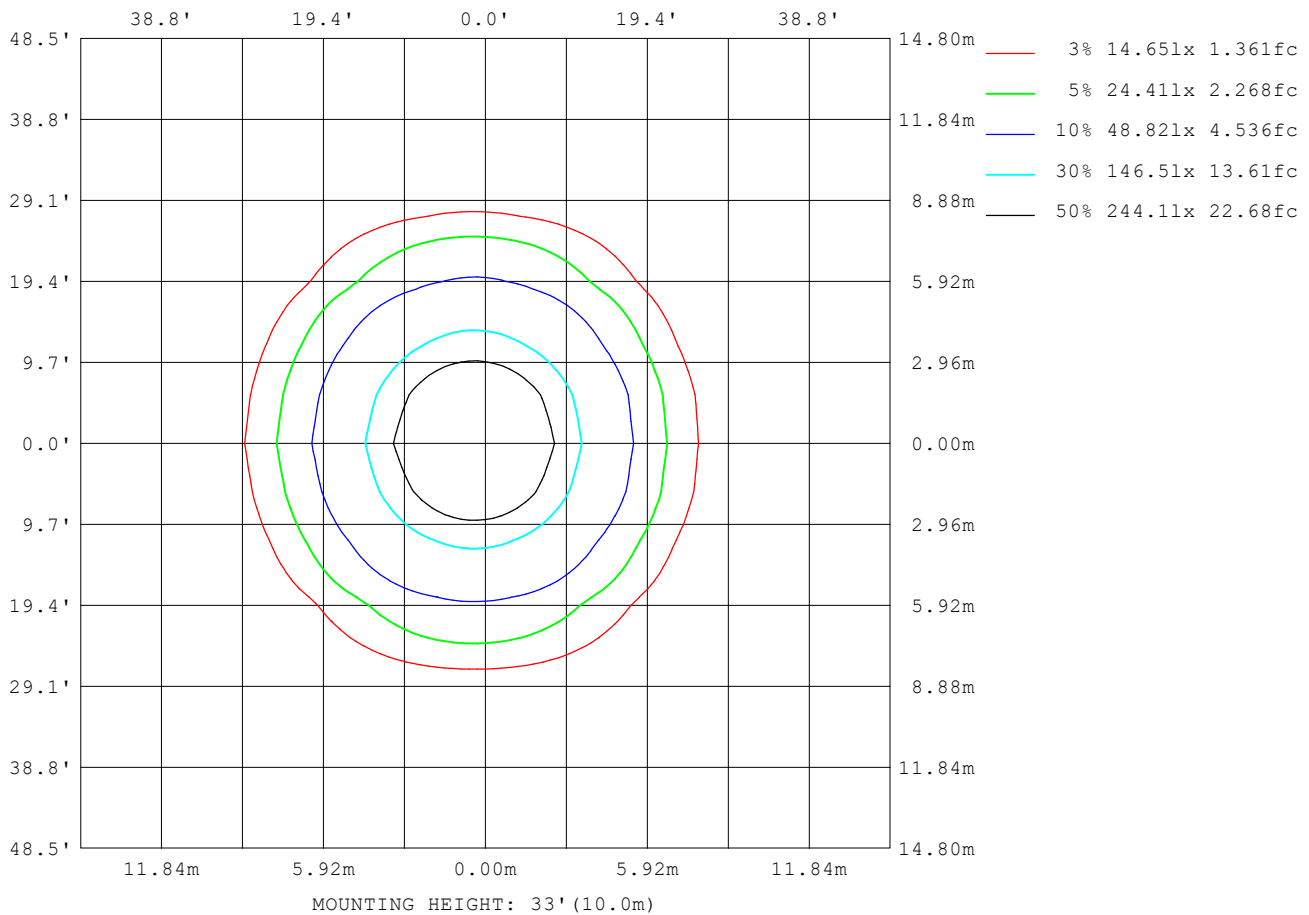


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Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:04 June 2024

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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:7.850m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

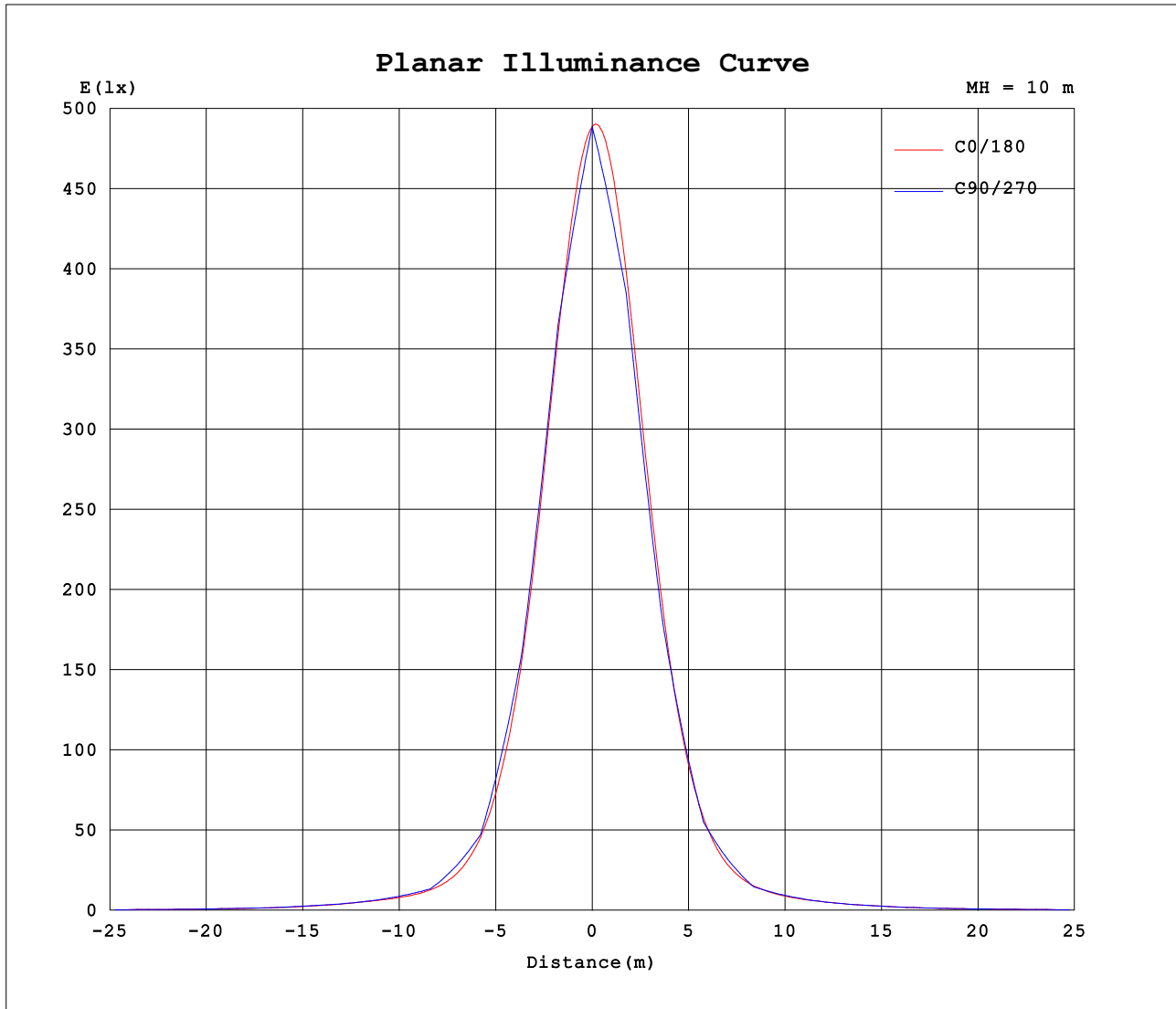
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SPEC.: 5000K	DIM.:	SERIAL No.:
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Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:04 June 2024

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

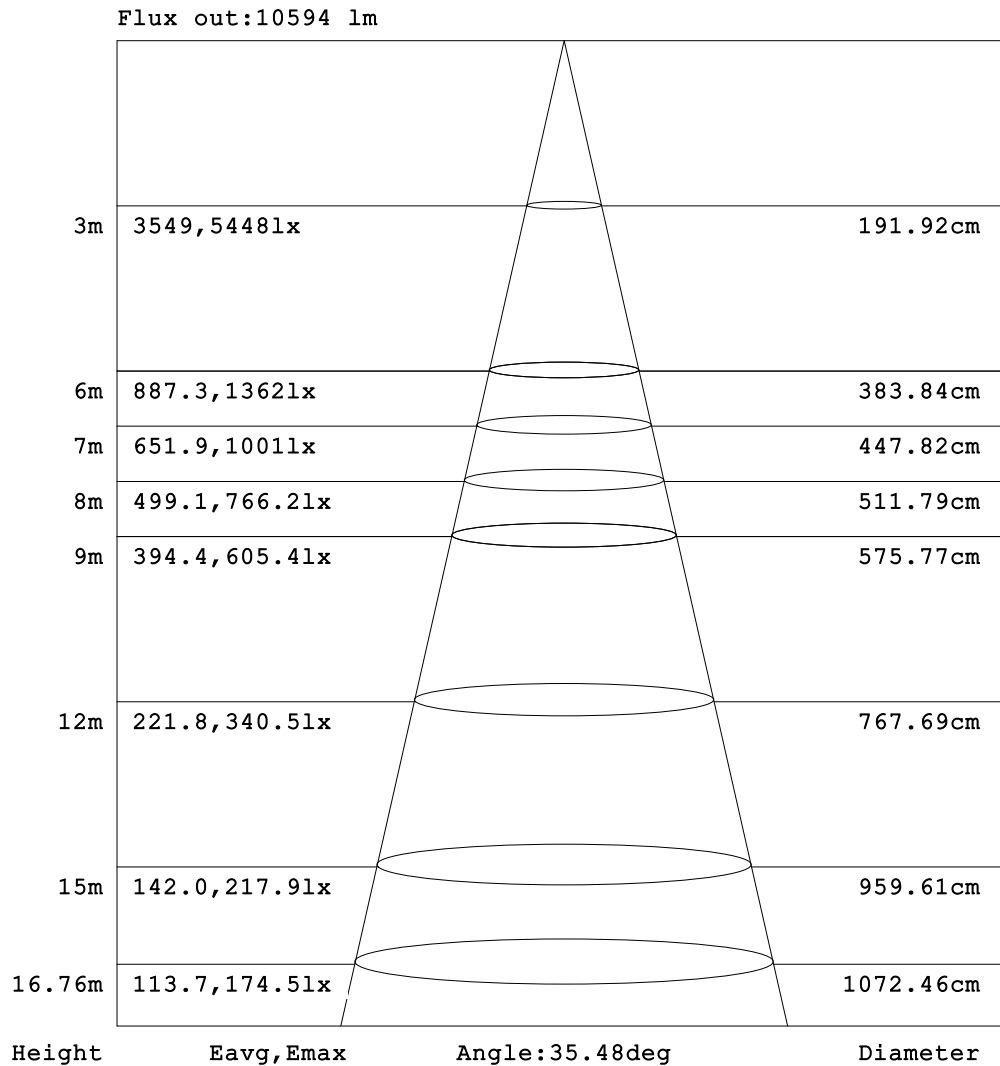


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:04 June 2024

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:484.70V I:0.6790A P:324.44W PF:0.9858 Freq:49.99Hz Lamp Flux:26653.4x1 lm		
NAME: ASD-SPFL7HV-450RGBW-DMX	TYPE:	WEIGHT:
SPEC.: 5000K	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:04 June 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:484.70V I:0.6790A P:324.44W PF:0.9858 Freq:49.99Hz Lamp Flux:26653.4x1 lm		
NAME: ASD-SPFL7HV-450RGBW-DMX	TYPE:	WEIGHT:
SPEC.: 5000K	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	1.92	5.80	7.25	8.03	9.40	11.4	13.5	15.8	17.9	19.9	21.6	23.3	24.7	26.0	27.1	27.8	28.2	28.3	28.2
-75	0.17	2.59	6.16	8.09	10.7	14.5	19.3	24.2	28.6	32.7	36.5	40.0	43.3	46.3	48.5	50.5	52.0	52.9	53.3
-70	1.59	5.31	8.21	12.1	18.0	25.2	32.8	39.7	45.8	51.5	57.1	62.0	66.8	70.1	73.2	75.6	77.4	78.3	78.2
-65	0.04	2.22	6.04	10.3	16.9	26.2	36.4	46.6	55.4	63.4	70.8	77.2	83.0	88.2	92.4	96.1	98.9	101	102
-60	1.38	5.18	10.4	18.7	30.5	43.6	56.5	67.6	77.9	87.2	94.9	102	108	113	118	121	124	125	125
-55	0.00	1.93	6.50	13.9	25.5	40.6	56.3	70.6	82.9	93.8	104	113	123	134	144	152	159	163	165
-50	1.16	5.57	13.8	27.0	44.5	62.6	79.4	93.7	106	117	128	141	155	170	184	194	201	204	205
-45	0.00	1.84	7.75	19.0	36.1	56.3	76.1	92.3	107	122	139	158	176	192	208	224	238	248	252
-40	1.18	6.78	18.6	37.6	60.0	82.1	99.2	115	132	153	179	204	222	239	258	277	292	300	299
-35	0.00	1.89	9.40	24.9	47.3	71.6	92.3	110	129	153	181	208	238	274	322	381	442	492	516
-30	1.14	7.78	23.6	47.5	73.5	95.1	114	135	163	198	226	259	309	383	479	584	675	728	727
-25	0.00	1.99	11.4	32.0	58.1	83.3	104	125	152	187	221	263	332	448	621	838	1063	1244	1333
-20	1.23	9.41	30.7	58.0	83.4	105	127	156	197	231	280	371	532	781	1106	1456	1752	1921	1910
-15	0.00	2.02	13.9	38.9	65.4	89.9	112	136	172	213	254	330	481	749	1151	1662	2208	2655	2874
-10	1.15	11.0	36.4	62.1	87.4	110	135	171	214	257	341	515	838	1343	2001	2749	3407	3784	3781
-5	0.00	2.01	17.5	42.6	68.7	92.8	116	143	184	225	280	391	623	1040	1660	2463	3317	4013	4353
0	1.16	14.9	38.6	64.2	89.4	112	139	179	221	274	382	614	1043	1698	2585	3555	4385	4854	4822
5	0.00	2.39	19.5	42.7	68.6	92.6	116	143	184	225	282	397	635	1062	1698	2524	3401	4110	4456
10	1.31	15.2	37.1	61.8	87.1	109	135	171	214	260	350	535	878	1416	2114	2908	3599	3992	3981
15	0.00	2.90	18.8	40.6	65.2	89.2	111	136	171	213	257	342	506	796	1231	1786	2378	2860	3099
20	1.62	14.4	35.0	58.2	82.7	104	126	155	196	233	290	393	576	857	1223	1618	1961	2159	2152
25	0.00	2.84	16.8	36.9	59.3	82.4	103	124	151	187	223	271	351	485	683	933	1192	1404	1511
30	1.41	12.1	30.4	51.0	73.4	93.9	113	134	163	198	229	269	331	421	537	665	776	841	842
35	0.00	2.43	14.1	31.6	51.2	71.9	91.4	109	128	153	182	210	245	288	347	420	495	556	587
40	1.30	9.99	25.4	43.1	62.0	81.4	98.1	115	132	153	180	206	226	248	272	296	316	326	325
45	0.00	1.96	10.9	25.1	41.3	58.4	75.7	91.4	107	122	139	159	177	195	214	233	250	262	267
50	0.96	7.01	18.7	32.8	48.0	63.2	78.3	92.7	105	117	129	142	157	172	186	197	204	207	207
55	0.04	1.43	7.39	17.7	30.1	43.2	56.4	69.7	82.2	93.6	104	114	124	135	145	154	161	166	168
60	0.76	4.48	12.2	22.3	33.3	44.5	56.0	66.9	77.4	87.1	95.1	102	109	114	119	123	126	128	128
65	0.17	0.98	4.26	10.5	18.5	27.4	36.5	45.7	54.6	63.1	70.9	77.6	83.7	89.2	93.8	98.2	102	104	105
70	0.50	2.19	5.85	11.4	18.1	24.9	31.9	38.7	45.4	51.6	57.5	62.8	67.7	71.6	75.5	78.7	80.5	81.4	81.3
75	0.27	0.58	1.84	4.33	8.03	12.6	17.5	22.4	27.2	31.9	36.3	40.3	44.0	47.3	50.1	52.8	54.8	56.0	56.6
80	0.34	0.83	1.58	3.02	5.28	8.06	11.0	13.8	16.6	19.1	21.5	23.7	25.7	27.6	29.1	30.3	31.1	31.7	31.7
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 June 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:484.70V I:0.6790A P:324.44W PF:0.9858 Freq:49.99Hz Lamp Flux:26653.4x1 lm		
NAME: ASD-SPFL7HV-450RGBW-DMX	TYPE:	WEIGHT:
SPEC.: 5000K	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	27.8	27.0	26.0	24.8	23.3	21.6	19.7	17.6	15.3	12.6	9.78	7.18	5.05	3.49	2.42	1.72	0.91	0.68	
-75	53.1	52.3	50.9	49.0	46.9	44.2	40.8	37.4	33.5	29.4	24.7	19.3	13.8	9.18	5.65	3.30	1.87	0.80	
-70	77.2	75.4	72.8	69.8	66.3	61.5	56.5	51.1	45.2	38.8	30.9	22.6	15.0	9.03	4.94	2.52	0.98	0.57	
-65	102	100	97.6	94.2	90.4	85.9	80.5	75.1	68.0	59.9	51.3	41.1	30.1	19.7	11.5	5.88	2.61	0.80	
-60	124	121	117	112	107	102	95.8	88.0	77.9	67.6	55.7	41.9	28.4	16.9	8.65	3.70	1.15	0.51	
-55	165	162	157	150	141	131	120	111	101	90.5	79.6	65.6	49.5	33.2	19.3	9.49	3.67	0.89	
-50	202	196	186	174	159	143	129	118	107	96.2	81.6	63.7	44.5	26.7	13.6	5.43	1.36	0.48	
-45	251	244	232	218	202	188	172	153	134	117	103	88.3	69.9	48.6	28.7	13.7	4.94	1.03	
-40	289	273	255	237	222	208	184	156	133	116	101	84.3	61.3	38.1	18.7	7.12	1.65	0.55	
-35	509	473	417	356	299	257	226	200	175	146	123	105	87.6	64.6	40.2	18.9	6.36	1.27	
-30	675	585	481	382	307	256	226	205	171	137	116	98.6	78.1	51.9	26.3	9.24	2.01	0.71	
-25	1303	1164	958	737	538	389	293	241	211	179	143	118	99.3	78.1	51.6	25.6	7.88	1.60	
-20	1723	1419	1080	766	522	360	271	228	202	162	128	107	88.4	61.5	34.7	11.4	2.43	1.05	
-15	2809	2478	1975	1435	974	631	408	288	233	203	163	128	106	86.7	59.7	32.7	10.1	1.94	
-10	3402	2746	1999	1347	858	526	339	254	217	182	139	114	93.9	68.4	41.6	15.8	2.80	1.26	
-5	4244	3725	2945	2091	1373	852	512	329	248	213	175	135	110	90.3	63.6	37.5	12.9	2.15	
0	4310	3481	2515	1651	1026	604	370	264	220	187	143	116	94.9	69.6	44.0	18.5	3.09	1.27	
5	4341	3813	3022	2149	1409	872	520	332	248	213	176	135	110	90.5	63.7	38.8	14.9	2.14	
10	3581	2905	2123	1427	904	546	346	255	216	182	140	114	94.0	68.6	43.5	19.9	3.26	0.84	
15	3026	2672	2135	1552	1046	668	423	293	233	203	164	129	107	87.2	61.2	37.1	15.1	2.07	
20	1943	1597	1208	846	562	377	277	228	202	163	129	107	88.9	63.7	40.1	18.3	3.32	0.31	
25	1480	1321	1082	822	589	414	303	243	210	180	144	118	99.7	79.9	56.0	33.7	13.7	1.94	
30	779	668	538	417	324	263	226	204	173	139	116	99.0	80.2	57.5	35.9	16.2	3.04	0.00	
35	579	534	464	387	317	264	229	201	176	148	123	106	89.0	69.1	48.4	28.8	11.5	1.66	
40	312	291	266	242	222	207	186	159	134	116	102	86.1	66.6	47.5	29.3	12.9	2.45	0.00	
45	265	256	241	224	206	189	173	155	135	118	104	89.4	73.6	56.1	38.9	22.7	8.87	1.36	
50	204	199	189	177	162	145	131	119	108	96.2	83.2	68.0	52.5	37.1	22.3	9.62	1.97	0.00	
55	167	165	160	153	144	133	122	112	103	91.6	80.8	68.4	55.1	41.7	28.4	16.0	6.11	1.07	
60	127	124	119	115	109	103	96.9	90.3	80.1	69.8	59.1	47.4	36.1	24.8	14.3	5.96	1.39	0.08	
65	105	103	101	97.1	92.8	88.2	82.9	76.9	70.8	62.2	53.8	44.8	35.5	26.3	17.2	9.34	3.58	0.77	
70	80.7	79.1	76.4	72.8	69.1	64.7	59.4	54.1	47.8	41.3	34.4	27.3	20.1	13.1	7.27	3.05	0.92	0.21	
75	56.5	55.8	54.5	52.5	50.0	47.3	44.0	40.2	36.3	31.8	27.0	22.0	16.9	12.0	7.49	4.04	1.76	0.52	
80	31.4	30.6	29.5	28.2	26.6	24.7	22.5	20.2	17.6	14.8	11.8	8.62	5.81	3.51	2.03	1.17	0.49	0.31	
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 June 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 : 36°-H X 35°-V

one-half-peak spread: U:16.8,D:18.3 , L:17.8,R:18.5

TOTAL FLUX : 26653 lm

LOR : 100.0%

AVAILABILITY FLUX : 20321 lm

AVAILABILITY : 76.2%

