

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	659.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	138.4V x 132.4H
	At 50% of Imax	65.5V x 106.7H
	At 90% of Imax	20.1V x 96.4H

Beam Flux	Total	999.9 lumens per klm.
	To 10% of Imax	930.7 lumens per klm.
	To 50% of Imax	551.6 lumens per klm.
	To 90% of Imax	67.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

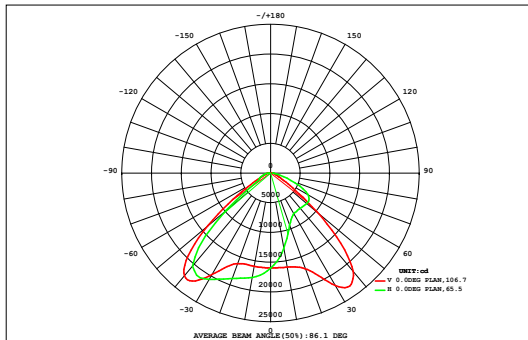
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-11-18

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.470m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.1V I:1.363A P:306.9W PF:0.9828 Freq:49.98Hz Lamp Flux:48044.3x1 lm		
NAME: SPVII-300W-5770-70105	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.42X0.14X0.05	SERIAL No.:
MFR.:	SUR.:0.39X0.11	Shielding Angle:70105



DATA OF LAMP		Eff:156.54lm/W	
MODEL	LUMILEDS 2835	Imax(cd)	31661
NOMINAL POWER(W)	300	AVAILABILITY(%)	93.1
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	44721
NOMINAL FLUX(lm)	48044.3	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	48044
TEST VOLTAGE(V)	229	θ @50% (H,V)	107,65DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.24	1.13	1.72	2.65	3.58	5.73	9.36	12.8	14.3	13.6	12.6	9.89	6.30	3.82	2.72	1.70	1.04	0.24	103	0.00
90	0.24	1.13	1.72	2.65	3.58	5.73	9.36	12.8	14.3	13.6	12.6	9.89	6.30	3.82	2.72	1.70	1.04	0.24	103	0.00
80	0.35	2.42	3.37	5.41	10.4	17.3	23.9	32.5	37.8	37.1	33.4	25.4	18.6	11.7	5.97	3.48	2.37	0.44	272	0.00
70	0.56	3.60	5.55	11.5	23.4	34.0	43.6	53.7	60.7	60.7	54.8	45.5	36.0	25.2	12.6	5.79	3.71	0.68	482	0.00
60	0.68	4.36	9.01	21.0	37.7	66.9	108	130	139	138	128	109	74.2	42.6	24.3	10.3	4.75	0.99	1048	639
50	0.89	5.16	13.5	30.5	77.9	257	422	467	485	482	457	417	287	98.4	35.3	15.5	5.74	1.13	3558	3401
40	0.92	5.71	16.8	41.7	193	564	727	676	650	644	651	686	621	272	56.1	20.7	6.71	1.34	5833	5715
30	1.05	6.27	19.8	65.4	347	741	761	645	608	602	622	705	759	423	87.9	23.3	7.20	1.35	6427	6334
	1.02	6.47	20.3	85.3	402	729	687	583	561	556	561	621	723	494	127	25.5	7.71	1.45	6191	6114
	1.13	6.95	22.4	106	399	630	574	518	517	516	506	538	614	442	134	26.4	7.85	1.36	5560	5490
	1.11	7.14	22.8	102	330	501	468	436	441	441	427	437	482	368	136	29.2	8.28	1.40	4640	4572
	1.20	7.51	23.7	98.4	268	375	348	330	334	334	326	335	358	278	115	27.5	8.19	1.29	3568	3498
	1.11	7.29	21.5	78.5	205	283	267	254	255	256	254	255	267	219	98.5	26.1	8.21	1.29	2758	2681
-30	1.10	7.12	20.0	62.0	160	225	225	226	234	236	228	220	218	169	71.6	21.7	7.64	1.14	2332	2242
-40	0.94	6.28	17.2	41.3	109	178	204	220	236	238	225	203	181	124	50.5	18.9	7.11	1.08	2061	1947
-50	0.84	5.34	14.3	28.6	61.7	108	160	205	232	235	212	167	115	68.1	31.1	15.1	5.78	0.88	1667	1474
-60	0.67	3.83	9.97	18.9	30.1	44.9	64.8	119	165	170	134	73.0	48.0	32.9	20.3	10.8	4.32	0.77	952	597
-70	0.59	2.91	6.95	12.4	19.6	30.7	33.9	41.5	58.8	60.7	43.9	34.2	31.5	21.0	12.9	7.25	3.11	0.65	423	17.4
-80	0.52	1.95	4.16	6.73	9.63	13.6	15.4	15.8	16.2	16.4	16.0	15.6	13.8	10.3	6.98	4.36	2.13	0.58	170	0.00
-90	0.52	1.95	4.16	6.73	9.63	13.6	15.4	15.8	16.2	16.4	16.0	15.6	13.8	10.3	6.98	4.36	2.13	0.58	170	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)	20	30	40	50	60	70	80	90			
Φ t	14.9	91.5	253	819	2686	4804	5142	4967	5045	5036	4891	4896	4853	3103	1029	294	102	18.1	48044	---
Φ a	0.00	0.00	0.48	531	2480	4600	4935	4762	4842	4828	4687	4688	4648	2908	794	17.9	0.00	0.00	---	44721

one-half-peak spread: U:50.5,D:15.4 , L:17.0,R:16.9

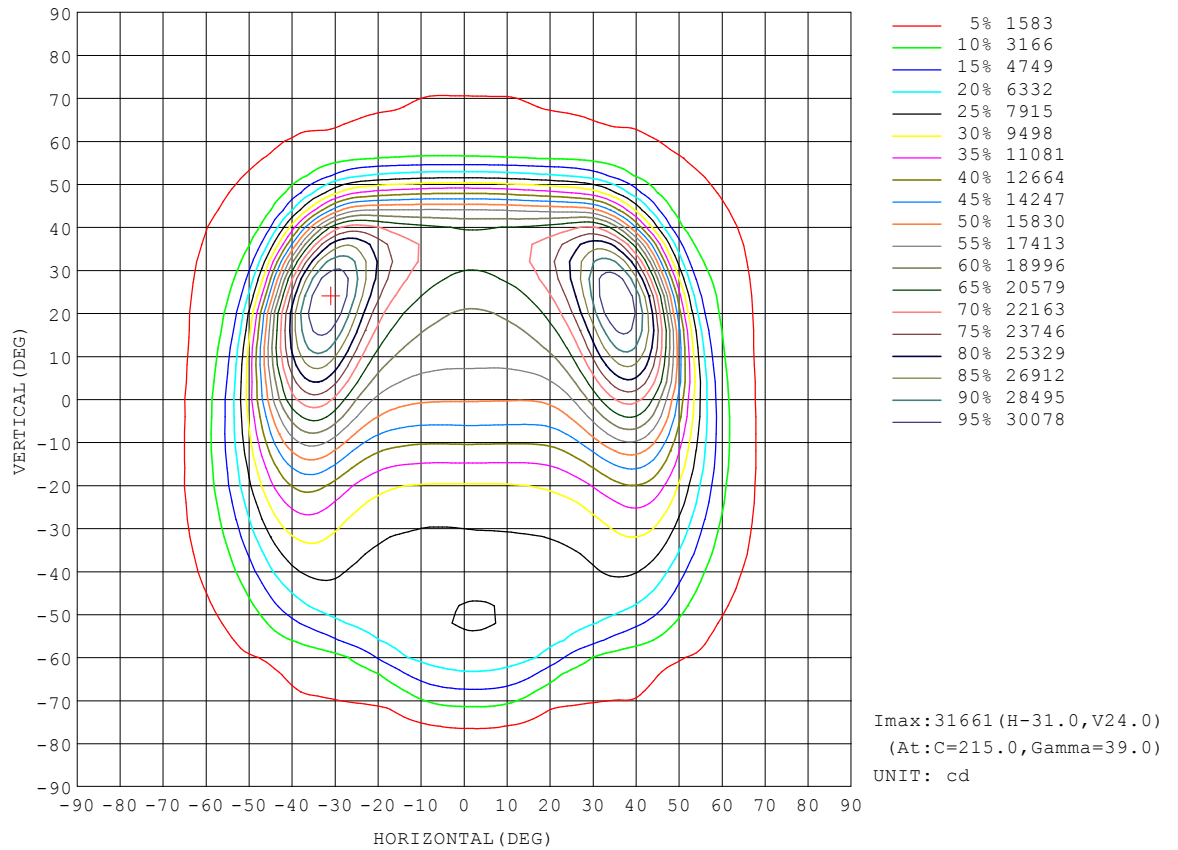
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-11-18

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.470m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:229.1V I:1.363A P:306.9W PF:0.9828 Freq:49.98Hz Lamp Flux:48044.3x1 lm		
NAME: SPVII-300W-5770-70105	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.42X0.14X0.05	SERIAL No.:
MFR.:	SUR.:0.39X0.11	Shielding Angle:70105

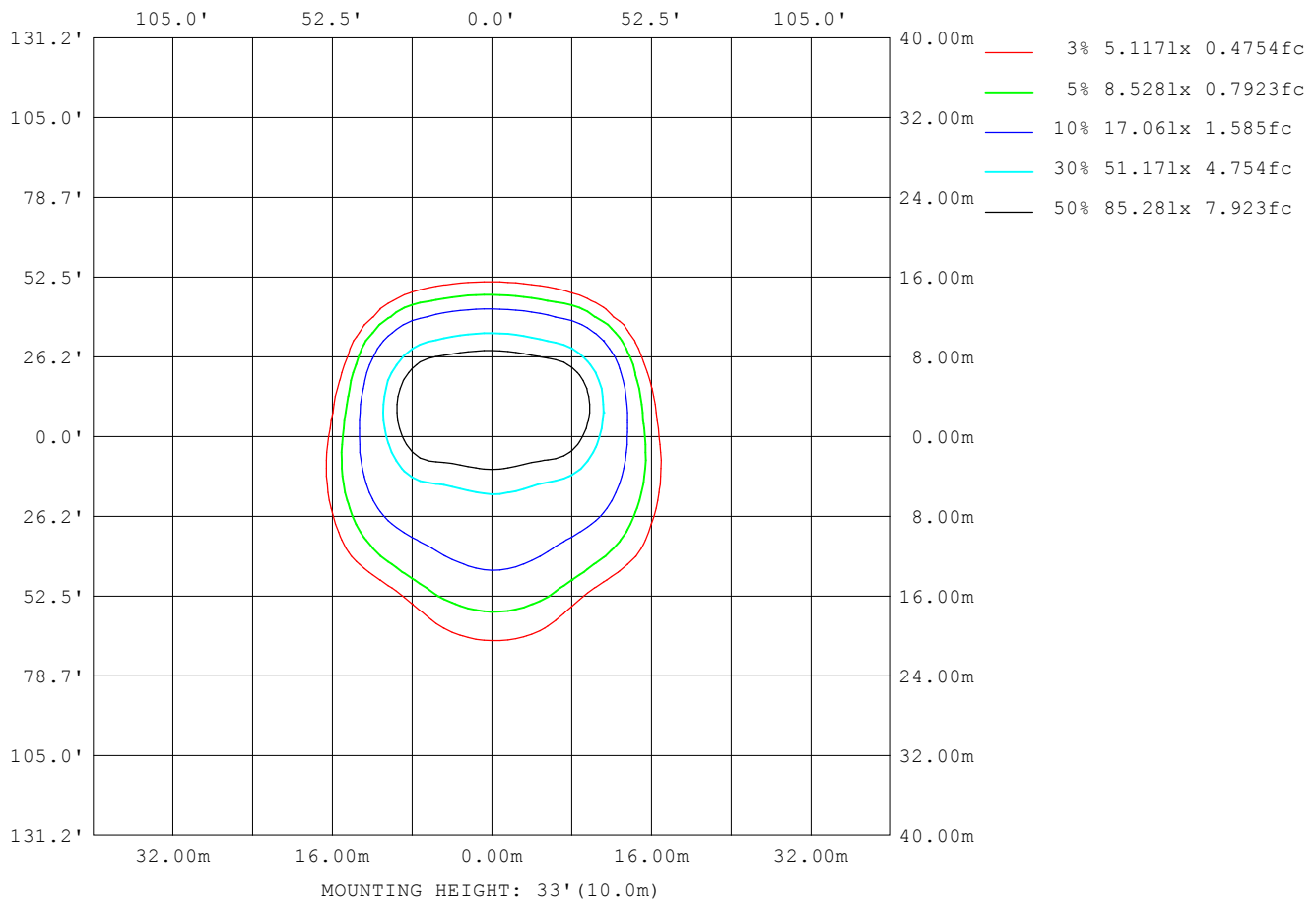


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-11-18

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.470m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

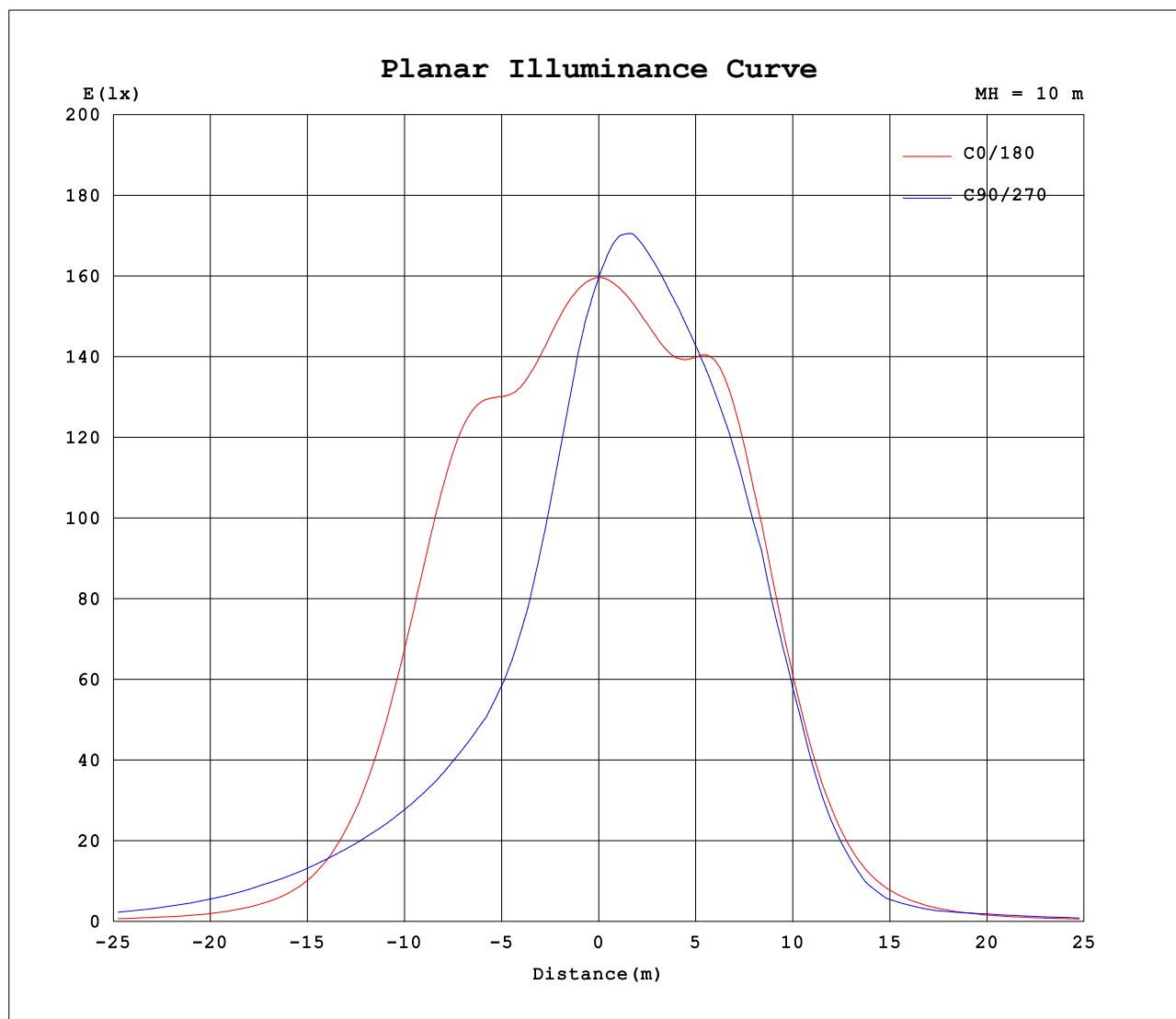
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SPEC.:	DIM.: 0.42X0.14X0.05	SERIAL No.:
MFR.:	SUR.:0.39X0.11	Shielding Angle:70105



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-11-18

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.470m [K=1.0000]
Remarks:

Planar Illuminance Curve

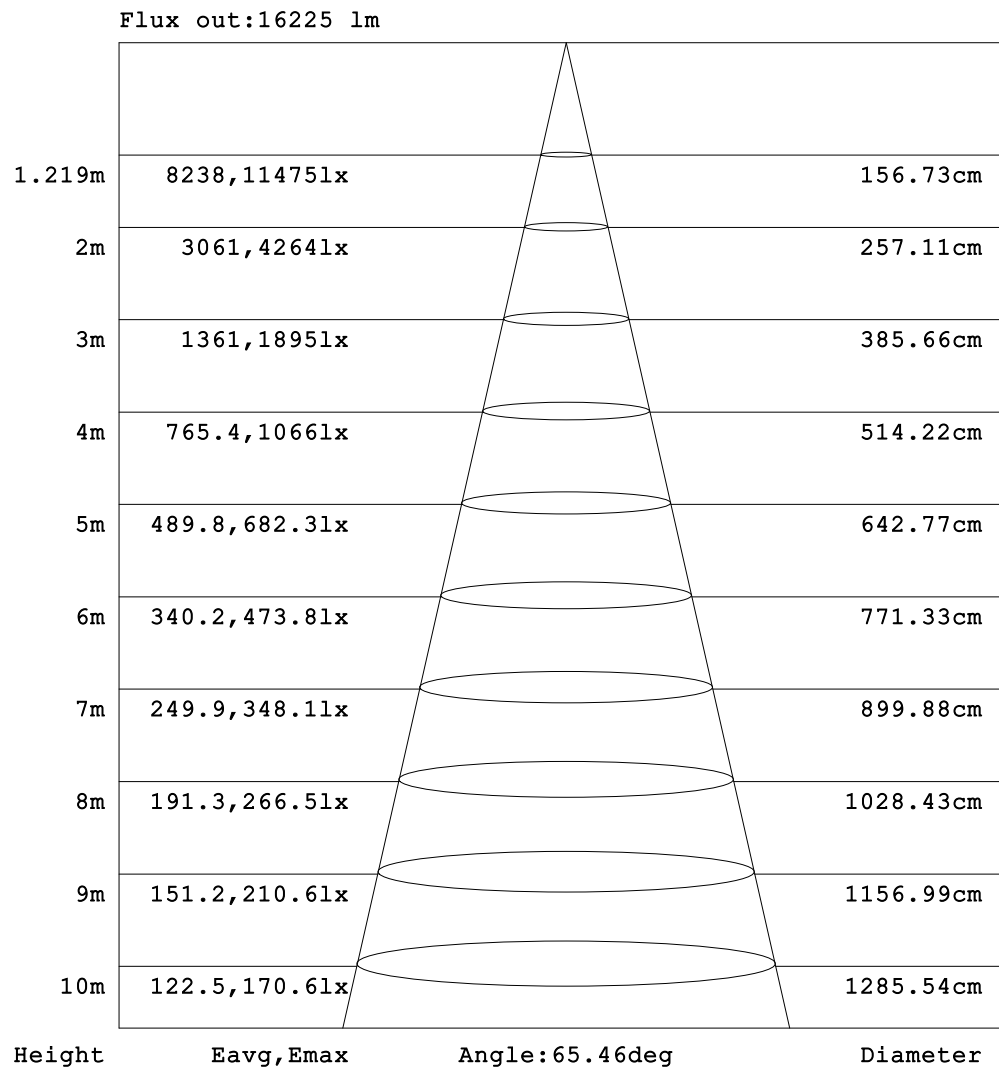


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-11-18

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.470m [K=1.0000]
Remarks:

AAI Figure

Test:U:229.1V I:1.363A P:306.9W PF:0.9828 Freq:49.98Hz Lamp Flux:48044.3x1 lm		
NAME: SPVII-300W-5770-70105	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.42X0.14X0.05	SERIAL No.:
MFR.:	SUR.:0.39X0.11	Shielding Angle:70105



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:
Test Date:2024-11-18

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.470m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.1V I:1.363A P:306.9W PF:0.9828 Freq:49.98Hz Lamp Flux:48044.3x1 lm		
NAME: SPVII-300W-5770-70105	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.42X0.14X0.05	SERIAL No.:
MFR.:	SUR.:0.39X0.11	Shielding Angle:70105

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	18.3	18.6	19.4	20.1	21.1	21.9	22.5	23.1	23.3	24.3	25.4	26.3	29.5	28.8	26.3	25.8	26.1	26.4	26.9
-85	18.1	18.9	20.8	23.4	26.9	30.0	32.5	35.1	37.1	40.0	44.8	46.5	46.2	51.3	49.2	47.3	47.5	49.1	50.6
-80	17.8	18.8	23.1	29.3	36.8	43.5	49.6	55.5	60.0	65.2	81.8	95.4	87.3	86.1	86.3	86.3	87.2	88.7	88.5
-75	17.4	19.1	25.1	33.4	42.7	51.0	58.2	66.7	74.6	81.3	104	121	116	116	116	119	140	160	168
-70	17.3	21.6	31.0	42.0	53.9	63.4	73.5	88.5	101	111	143	151	157	163	169	228	308	355	366
-65	17.5	22.5	33.8	46.9	61.0	74.2	88.8	106	118	132	165	177	189	202	260	376	475	520	537
-60	17.7	22.6	36.3	54.8	73.3	94.3	110	130	151	173	208	227	270	358	488	605	668	708	730
-55	18.0	23.5	39.5	60.9	82.2	105	123	148	188	246	317	382	460	549	629	687	730	764	782
-50	19.2	28.4	51.0	74.5	100	126	149	193	281	412	530	620	676	702	723	749	773	792	799
-45	19.5	29.5	54.1	79.1	106	134	162	226	344	503	630	709	736	731	733	752	771	782	789
-40	19.4	27.9	53.5	81.7	107	141	176	265	420	613	760	824	812	772	751	752	761	772	775
-35	19.5	28.1	55.2	84.1	109	144	189	302	486	698	849	899	866	808	774	765	764	770	777
-30	19.6	34.3	65.9	92.5	121	160	240	409	649	879	1005	1014	939	862	815	794	784	782	784
-25	19.3	34.5	66.6	93.4	120	164	256	448	717	970	1108	1115	1026	930	870	839	824	821	823
-20	18.6	30.3	62.1	90.8	115	159	257	461	767	1076	1273	1315	1218	1089	1001	958	943	938	938
-15	18.1	29.8	61.7	89.9	114	158	262	481	821	1177	1420	1487	1386	1234	1132	1085	1068	1065	1066
-10	16.9	36.2	68.8	93.2	122	175	312	584	1009	1439	1720	1775	1629	1445	1340	1297	1279	1278	1283
-5	15.8	35.2	67.6	90.6	120	172	306	586	1061	1569	1913	1999	1841	1622	1495	1448	1430	1429	1434
0	14.4	28.7	61.2	83.8	112	157	266	516	1028	1671	2162	2318	2181	1899	1711	1635	1606	1597	1597
5	13.1	27.2	60.0	81.6	108	153	249	488	1019	1737	2309	2533	2398	2071	1840	1743	1703	1691	1689
10	10.8	32.0	66.4	83.1	113	162	265	530	1183	2031	2625	2832	2628	2229	1974	1860	1807	1786	1785
15	9.76	30.6	65.6	81.1	109	158	244	473	1102	1999	2704	2982	2814	2386	2079	1938	1865	1829	1818
20	8.79	24.0	60.0	76.0	99.0	144	214	348	816	1730	2596	3084	3088	2692	2289	2085	1979	1917	1885
25	8.27	22.7	58.8	74.2	95.9	139	209	307	663	1499	2436	3033	3150	2818	2407	2182	2059	1987	1950
30	8.02	28.2	63.4	74.7	99.3	143	209	281	565	1341	2243	2875	3066	2813	2476	2281	2161	2092	2062
35	7.78	26.6	61.8	72.1	93.5	135	188	242	416	998	1811	2498	2823	2722	2468	2308	2208	2147	2122
40	7.32	19.7	54.9	66.3	80.8	112	155	193	244	474	1020	1659	2146	2292	2219	2144	2099	2066	2048
45	7.22	18.0	52.0	63.4	74.7	99.0	137	174	206	313	629	1080	1495	1712	1744	1749	1753	1752	1748
50	7.28	21.5	54.9	59.8	68.5	85.8	117	154	179	209	305	483	682	814	878	919	950	967	969
55	7.15	19.1	51.2	56.4	60.8	72.4	96.6	131	160	181	215	281	366	428	456	469	479	482	482
60	6.80	13.0	39.1	51.4	49.9	52.6	64.1	85.9	116	144	165	181	180	190	202	214	221	222	223
65	6.77	11.5	33.7	48.4	45.2	43.7	48.9	64.4	91.4	113	130	144	152	168	184	192	205	210	212
70	7.07	12.0	32.6	41.7	35.5	31.8	33.9	41.4	59.1	74.5	93.4	96.2	103	112	122	138	159	162	160
75	7.12	10.2	25.5	35.2	29.0	26.8	28.5	32.1	40.7	53.2	65.0	76.7	80.5	91.1	103	118	130	131	130
80	7.12	8.09	15.6	23.4	21.1	19.1	21.1	22.7	23.5	29.7	35.5	42.8	53.4	64.4	74.6	82.1	89.2	89.9	89.9
85	7.26	7.75	11.9	16.2	15.4	14.1	15.2	17.7	16.8	17.6	20.8	24.8	30.6	37.8	45.2	50.1	53.9	55.4	54.4
90	7.61	7.70	8.49	8.75	8.39	8.14	8.06	8.13	7.84	7.70	7.76	8.12	8.94	10.9	12.2	12.7	13.1	12.4	11.4

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-11-18

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.470m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.1V I:1.363A P:306.9W PF:0.9828 Freq:49.98Hz Lamp Flux:48044.3x1 lm		
NAME: SPVII-300W-5770-70105	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.42X0.14X0.05	SERIAL No.:
MFR.:	SUR.:0.39X0.11	Shielding Angle:70105

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	26.7	26.5	26.3	26.6	28.9	29.2	26.4	26.2	25.3	24.2	23.7	23.2	22.8	22.3	21.7	21.6	20.4	19.6	
-85	49.6	48.2	47.8	49.4	52.3	46.8	46.4	45.7	41.3	38.0	35.5	32.7	30.5	27.7	24.7	22.6	20.5	19.1	
-80	89.3	89.0	87.6	87.8	87.1	86.9	93.0	92.8	72.7	64.1	58.7	52.6	46.8	40.7	33.2	26.6	21.5	18.7	
-75	168	156	133	119	117	117	121	121	92.1	80.0	72.4	62.7	55.4	48.1	38.7	30.0	22.5	18.3	
-70	363	323	241	174	165	160	156	149	114	104	90.4	74.8	65.0	55.5	43.2	32.0	22.2	17.4	
-65	531	496	405	283	210	195	184	175	138	122	110	91.7	77.0	63.6	48.8	35.0	23.2	17.4	
-60	727	702	658	567	429	313	250	223	197	164	145	119	105	85.4	63.8	43.9	26.8	18.3	
-55	780	760	726	676	605	517	433	364	299	224	173	136	117	97.2	72.4	49.7	28.5	18.6	
-50	798	784	761	733	709	684	637	557	444	305	205	152	129	103	77.1	50.3	27.1	17.9	
-45	788	782	764	740	730	732	715	658	542	380	249	170	139	110	82.8	54.4	28.4	18.1	
-40	778	774	764	754	755	779	809	798	705	529	347	215	155	124	93.8	65.9	34.3	19.2	
-35	778	774	771	770	780	814	861	872	795	617	410	247	165	129	97.3	69.5	35.9	18.9	
-30	786	790	797	811	843	901	967	985	894	686	446	257	166	123	95.9	64.8	31.5	17.5	
-25	827	835	845	863	905	977	1058	1083	988	768	501	285	174	126	98.0	67.3	32.7	17.0	
-20	938	942	952	978	1029	1118	1223	1265	1170	934	624	354	200	135	104	76.3	39.7	17.2	
-15	1065	1063	1066	1090	1154	1262	1386	1430	1306	1028	676	380	208	136	105	77.6	41.2	16.7	
-10	1280	1278	1282	1310	1404	1560	1708	1703	1471	1072	647	346	187	128	98.7	70.8	35.1	15.0	
-5	1431	1426	1426	1454	1561	1751	1930	1925	1644	1165	675	352	189	128	97.8	72.0	36.3	14.6	
0	1594	1592	1591	1620	1735	1967	2212	2255	1957	1377	778	388	205	134	100	78.3	43.2	15.2	
5	1686	1683	1691	1734	1869	2141	2433	2481	2146	1475	785	379	201	134	98.8	78.6	43.8	15.3	
10	1785	1795	1829	1905	2114	2485	2787	2722	2182	1326	621	299	175	121	91.2	73.8	37.0	13.8	
15	1823	1846	1895	1997	2237	2648	2955	2847	2237	1314	580	286	175	121	90.1	74.4	37.2	13.6	
20	1890	1922	1984	2110	2362	2791	3120	2995	2329	1327	564	293	187	126	91.5	76.9	42.9	15.3	
25	1955	1995	2068	2208	2465	2887	3152	2929	2188	1177	487	280	184	125	89.8	75.8	42.6	15.1	
30	2078	2126	2218	2380	2648	2978	2974	2459	1543	698	331	232	160	109	82.6	71.0	33.7	13.1	
35	2133	2172	2246	2373	2579	2780	2635	2068	1214	526	285	212	153	104	80.0	69.7	32.8	12.6	
40	2049	2059	2077	2117	2181	2224	1962	1408	784	355	238	191	144	98.7	76.8	68.9	36.7	13.1	
45	1744	1734	1713	1697	1681	1626	1348	915	498	271	211	171	128	90.2	72.6	66.5	34.9	12.6	
50	959	930	895	854	797	693	512	335	232	198	169	130	92.0	72.9	64.9	59.9	24.5	10.7	
55	476	466	453	439	416	368	293	231	195	172	142	106	77.3	64.4	60.8	56.5	22.4	10.4	
60	222	221	218	208	195	187	182	181	160	135	104	73.8	58.2	52.2	53.7	54.0	23.0	10.1	
65	211	208	200	190	182	166	153	147	127	106	78.9	55.8	46.3	45.0	48.9	49.3	20.3	9.55	
70	161	159	141	125	115	108	101	97.8	78.1	60.8	43.4	35.6	33.2	35.4	42.0	32.5	12.8	8.67	
75	128	128	119	106	94.3	84.0	79.6	68.4	55.9	43.3	33.8	29.9	27.7	28.5	34.2	25.6	10.8	8.32	
80	85.9	86.0	81.5	76.3	69.6	60.6	50.3	40.7	34.6	26.8	23.4	23.1	19.9	19.3	21.6	18.2	9.40	7.87	
85	51.9	52.3	50.1	47.8	42.0	35.6	29.1	24.1	19.6	17.4	17.7	16.6	14.1	14.2	14.6	12.6	8.24	7.64	
90	11.6	12.6	12.4	12.3	11.1	9.21	8.25	7.82	7.79	7.91	8.14	7.99	7.95	8.04	8.19	7.84	7.27	7.38	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-11-18

V(B) Range:-90 - 90DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.470m [K=1.0000]
Remarks: