

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

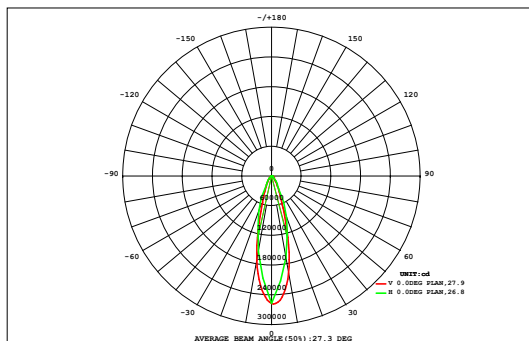
Maximum Intensity		2883.6 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		-1.0 degrees horizontal
Beam Spread	At 10% of Imax	59.2V x 57.3H
	At 50% of Imax	26.8V x 27.9H
	At 90% of Imax	6.6V x 11.4H
Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	746.4 lumens per klm.
	To 50% of Imax	322.8 lumens per klm.
	To 90% of Imax	33.2 lumens per klm.
Upward LOR		0.0 %
Downward LOR		100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:06 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:238.51V I:2.5937A P:607.88W PF:0.9826 Freq:49.97Hz Lamp Flux:89544.1x1 lm		
NAME: HL-SP06-600W-30°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1	Shielding Angle:



DATA OF LAMP		Eff:147.31lm/W	
MODEL	HL-SP06-600W-30°	Imax (cd)	258205
NOMINAL POWER (W)	600	AVAILABILITY (%)	75.0
RATED VOLTAGE (V)	240	Avai. FLUX (lm)	67129
NOMINAL FLUX (lm)	89544.1	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	89544
TEST VOLTAGE (V)	240	θ @50% (H,V)	28,27DEG

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	0.01	0.35	1.36	3.13	5.47	8.08	10.6	12.6	13.7	13.6	12.5	10.6	8.13	5.54	3.14	1.33	0.35	0.02	110	0.00
70	0.09	1.23	4.39	9.78	17.0	25.7	34.7	43.0	48.2	48.1	42.5	33.8	24.6	16.4	9.45	4.23	1.18	0.09	365	0.00
60	0.16	2.02	7.06	15.8	28.7	46.5	68.0	90.2	104	106	92.3	69.7	46.6	28.6	15.4	6.86	1.93	0.15	730	0.00
50	0.25	2.89	10.0	22.9	45.1	80.4	129	181	211	219	189	136	83.3	46.0	22.2	9.69	2.75	0.22	1391	0.00
40	0.32	3.66	12.7	31.5	71.0	144	251	378	479	489	390	264	156	75.0	32.7	12.6	3.51	0.29	2794	0.00
30	0.39	4.33	15.3	40.5	99.5	218	416	730	1175	1219	769	437	232	105	42.6	15.3	4.16	0.35	5524	2566
	0.43	4.82	17.4	49.9	133	313	676	1446	2785	2805	1458	686	318	139	51.9	17.6	4.64	0.39	10907	9151
	0.45	5.01	18.3	54.1	151	374	919	2723	5610	5660	2857	916	373	155	56.1	18.7	4.85	0.41	19894	18376
	0.46	5.07	18.6	55.6	157	402	1035	3256	6496	6449	3122	965	385	158	56.8	19.0	4.89	0.41	22586	21096
	0.43	4.87	17.6	51.0	141	350	813	1861	3345	3239	1602	725	326	136	51.2	17.7	4.64	0.38	12684	11028
	0.36	4.38	15.4	41.8	108	252	531	1034	1661	1565	910	473	233	103	42.0	15.4	4.14	0.32	6991	4911
-30	0.30	3.82	13.1	32.5	75.3	159	289	418	446	419	375	264	149	72.1	32.8	12.9	3.56	0.25	2766	0.00
-40	0.24	3.12	10.4	23.7	47.6	87.4	143	201	236	227	185	129	79.8	45.3	23.1	9.95	2.80	0.19	1454	0.00
-50	0.22	2.47	7.84	16.9	31.2	52.1	78.7	105	121	119	100	74.5	49.7	30.3	16.4	7.30	2.11	0.20	816	0.00
-60	0.27	2.09	5.67	11.1	18.0	25.6	32.4	37.4	39.9	39.7	36.9	32.0	25.0	17.4	10.4	4.97	1.67	0.28	341	0.00
-70	0.45	2.28	4.28	6.85	10.3	14.1	17.8	20.6	22.1	22.0	20.2	17.2	13.4	9.46	5.97	3.33	1.68	0.51	192	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	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
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	4.84	52.4	179	467	1139	2553	5442	12537	22792	22638	12160	5232	2502	1142	472	177	48.9	4.46	89544	---
Φ a	0.00	0.00	0.00	0.00	0.00	42.8	2717	10454	20663	20598	10268	2385	0.00	0.00	0.00	0.00	0.00	0.00	---	67129

one-half-peak spread: U:14.4,D:12.6 , L:14.1,R:14.0

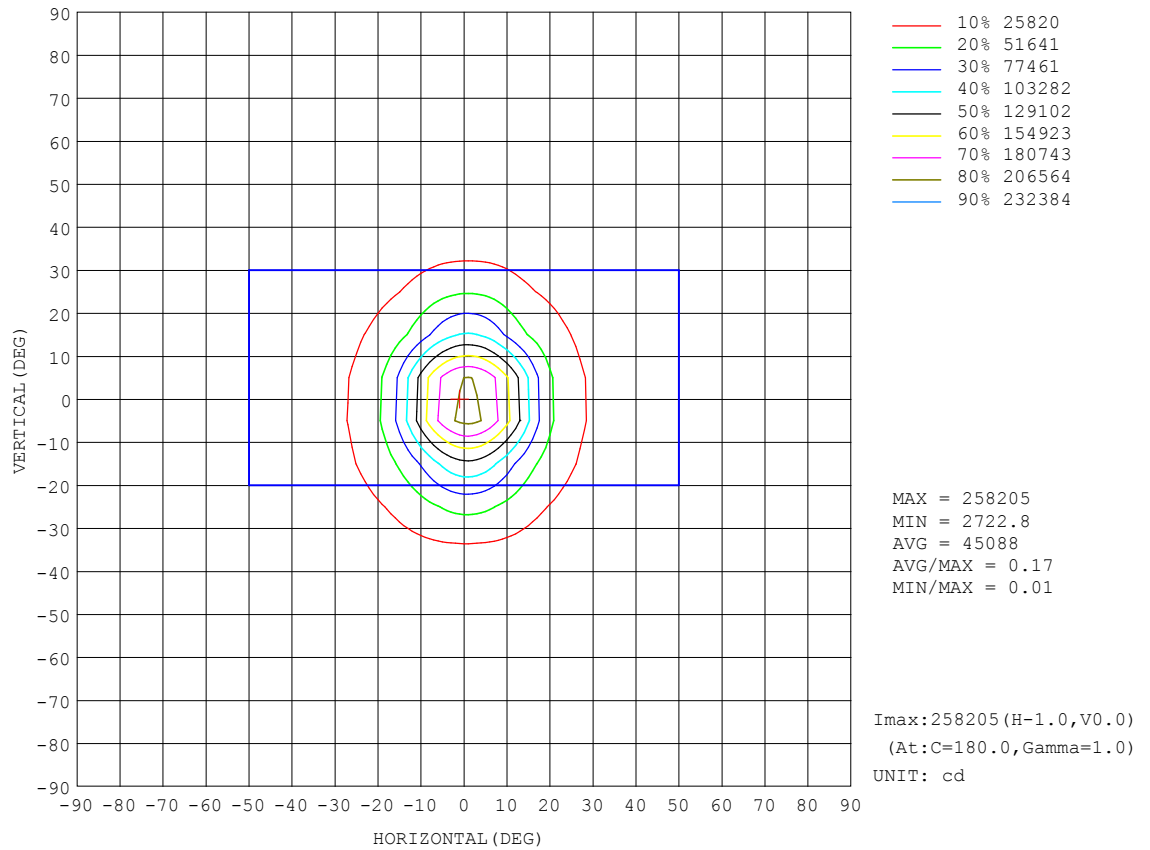
NEMA Beam Type: Type 4

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:06 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:238.51V I:2.5937A P:607.88W PF:0.9826 Freq:49.97Hz Lamp Flux:89544.1x1 lm		
NAME: HL-SP06-600W-30°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1	Shielding Angle:

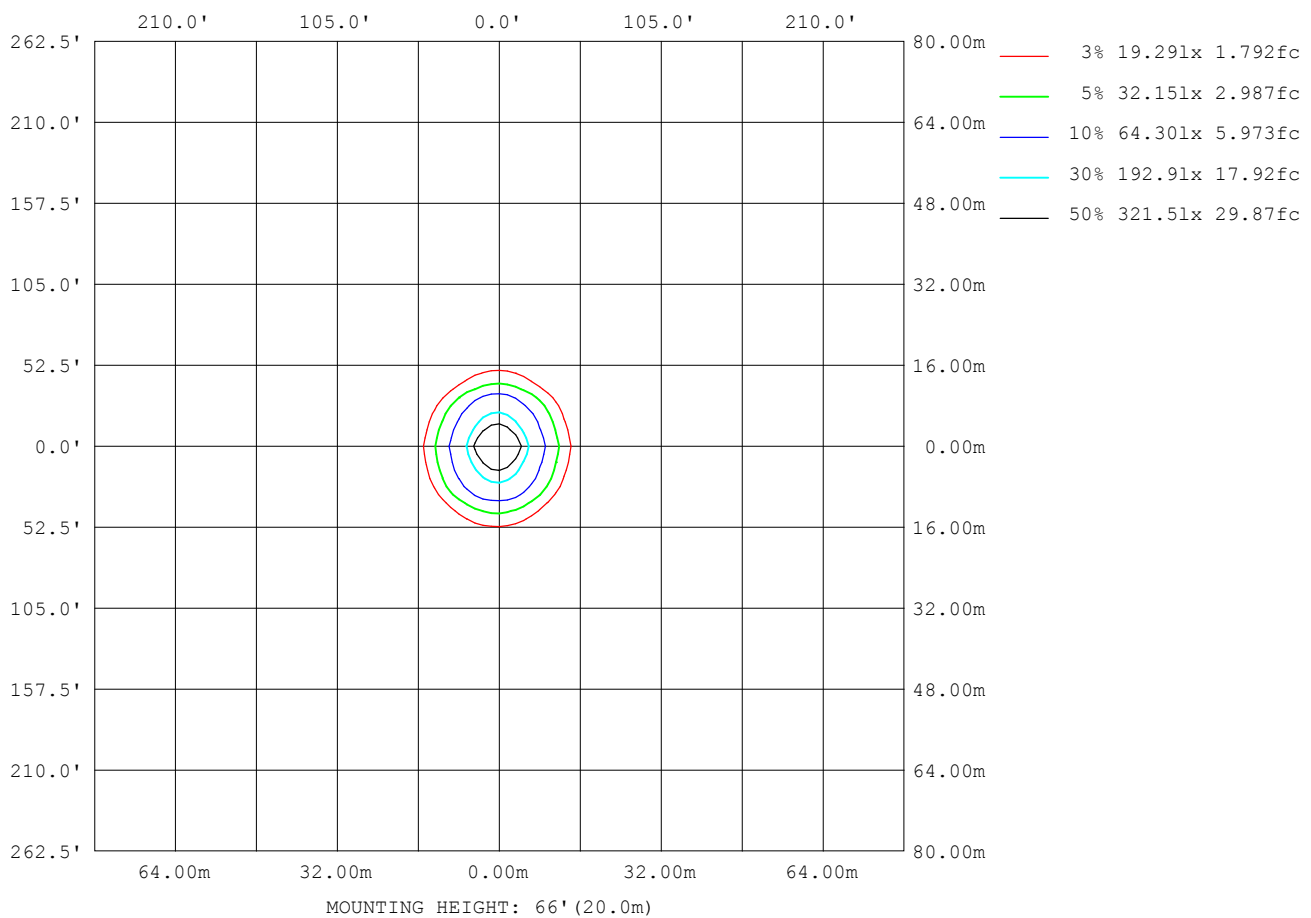


H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:06 January 2020

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

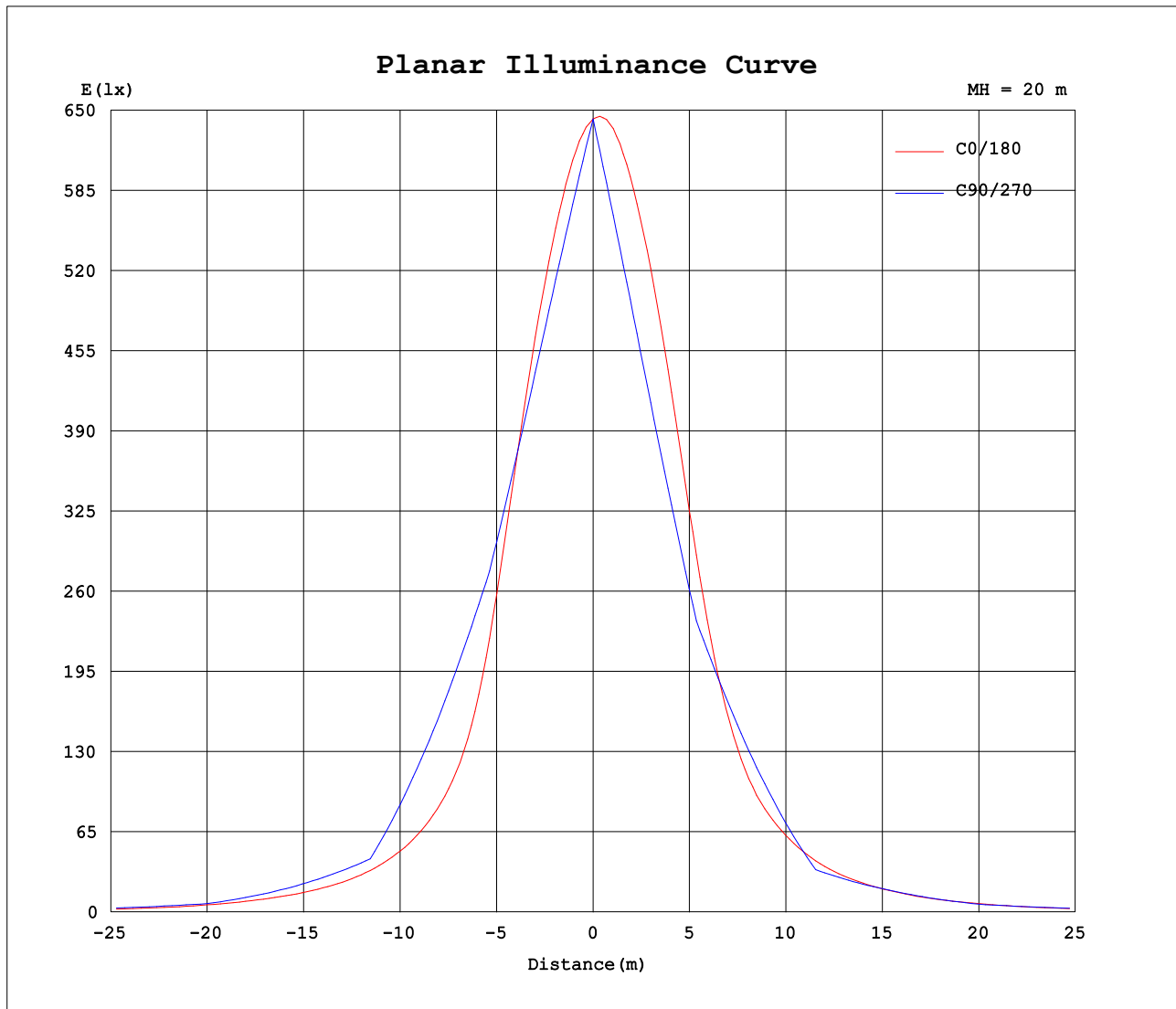
Test:U:238.51V I:2.5937A P:607.88W PF:0.9826 Freq:49.97Hz Lamp Flux:89544.1x1 lm		
NAME: HL-SP06-600W-30°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1	Shielding Angle:



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:06 January 2020

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve

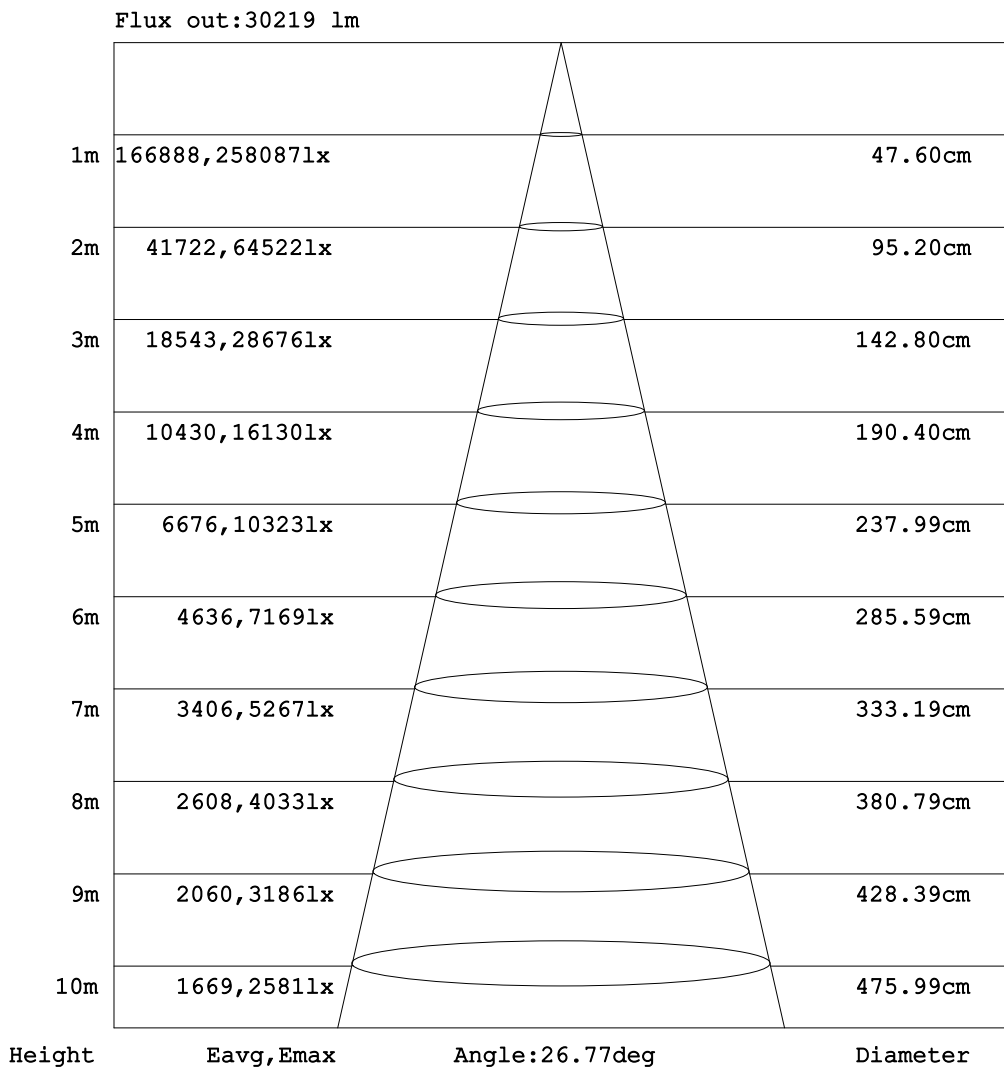


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:06 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:238.51V I:2.5937A P:607.88W PF:0.9826 Freq:49.97Hz Lamp Flux:89544.1x1 lm		
NAME: HL-SP06-600W-30°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1	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: C
 Test Date: 06 January 2020

V(B) Range: -75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.416
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:238.51V I:2.5937A P:607.88W PF:0.9826 Freq:49.97Hz Lamp Flux:89544.1x1 lm		
NAME: HL-SP06-600W-30°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1	Shielding Angle:

Table--1

UNIT: ×100cd

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	0.74	1.29	2.03	2.77	3.09	3.19	3.39	3.75	4.17	4.61	5.03	5.46	5.89	6.29	6.65	6.93	7.12	7.25	7.31
-70	0.71	1.28	2.10	2.90	3.42	3.90	4.51	5.25	6.02	6.81	7.63	8.47	9.31	10.1	10.7	11.3	11.7	12.0	12.0
-65	0.41	0.69	1.42	2.44	3.37	4.19	5.11	6.14	7.24	8.40	9.55	10.8	12.1	13.2	14.3	15.3	16.1	16.6	16.8
-60	0.29	0.62	1.53	2.82	3.98	5.18	6.51	7.91	9.37	10.9	12.5	14.2	15.8	17.3	18.7	19.9	20.9	21.4	21.5
-55	0.21	0.35	1.21	2.63	4.10	5.59	7.23	9.04	11.1	13.6	16.4	19.7	23.4	27.2	31.1	34.8	37.8	39.8	40.5
-50	0.17	0.62	1.93	3.67	5.39	7.26	9.37	11.8	14.7	18.4	22.9	28.1	34.0	40.3	46.5	52.2	56.6	59.1	59.4
-45	0.12	0.26	1.40	3.35	5.28	7.38	9.75	12.5	15.8	20.2	25.6	32.1	39.8	48.2	57.0	65.4	72.3	76.8	78.5
-40	0.10	0.68	2.42	4.53	6.77	9.34	12.4	16.3	21.7	29.1	38.8	50.9	65.5	81.9	99.5	117	131	140	141
-35	0.09	0.29	1.82	4.04	6.42	9.15	12.4	16.8	23.0	31.7	43.7	59.3	78.8	102	128	155	179	197	204
-30	0.07	0.80	3.00	5.39	8.14	11.4	15.6	21.6	30.4	42.9	60.2	82.4	110	142	178	213	244	264	266
-25	0.07	0.35	2.22	4.66	7.43	10.7	15.0	21.2	30.5	44.3	63.9	90.6	126	173	235	315	420	529	588
-20	0.06	1.07	3.36	6.05	9.19	13.1	18.8	27.3	40.3	59.8	87.0	125	176	249	352	496	687	860	905
-15	0.06	0.42	2.58	5.19	8.30	12.1	17.4	25.8	38.4	58.0	86.2	126	181	261	379	548	794	1072	1228
-10	0.06	1.27	3.60	6.48	9.90	14.3	21.0	31.2	47.2	71.5	106	155	225	335	522	853	1268	1590	1674
-5	0.06	0.58	2.64	5.35	8.59	12.7	18.4	27.5	41.6	63.4	94.6	140	205	310	488	856	1413	1892	2126
0	0.06	1.37	3.71	6.69	10.3	14.9	22.2	33.4	51.2	77.8	116	171	256	400	690	1286	1988	2453	2572
5	0.06	0.65	2.64	5.35	8.59	12.7	18.4	27.4	41.4	62.9	93.1	136	198	298	469	824	1370	1838	2066
10	0.06	1.32	3.58	6.47	9.91	14.3	20.9	31.1	46.6	69.7	101	146	209	307	474	779	1173	1476	1555
15	0.06	0.64	2.57	5.17	8.29	12.2	17.4	25.7	37.8	56.3	81.5	116	162	227	319	452	663	912	1049
20	0.07	1.23	3.33	6.02	9.20	13.2	18.7	27.1	39.5	57.5	81.4	114	156	214	292	406	575	728	769
25	0.07	0.56	2.28	4.62	7.41	10.8	15.0	21.1	30.1	42.9	60.5	83.5	112	148	196	256	343	439	491
30	0.08	1.09	2.95	5.35	8.12	11.4	15.6	21.5	29.9	41.2	56.5	74.9	95.9	119	144	168	192	207	212
35	0.07	0.46	1.93	3.93	6.32	9.09	12.4	16.7	22.8	30.8	41.7	55.2	70.7	87.9	107	126	144	158	165
40	0.07	0.88	2.39	4.36	6.63	9.23	12.3	16.3	21.5	28.3	37.1	47.3	59.2	71.9	85.5	98.4	110	117	120
45	0.07	0.32	1.52	3.11	5.04	7.19	9.65	12.4	15.7	19.9	25.1	31.0	37.7	45.4	53.2	60.7	66.9	71.2	73.2
50	0.06	0.63	1.79	3.29	5.03	6.96	9.16	11.6	14.5	18.1	22.3	26.9	32.3	37.9	43.6	48.7	52.7	55.2	56.0
55	0.05	0.16	1.05	2.19	3.56	5.13	6.86	8.73	10.8	13.2	16.0	19.0	22.3	25.9	29.4	32.9	35.7	37.6	38.5
60	0.05	0.35	1.15	2.15	3.32	4.63	6.04	7.48	8.99	10.5	12.1	13.7	15.2	16.7	18.1	19.5	20.4	21.0	21.1
65	0.05	0.08	0.60	1.34	2.20	3.19	4.26	5.38	6.54	7.73	8.90	10.1	11.3	12.4	13.5	14.6	15.4	15.9	16.1
70	0.05	0.16	0.60	1.19	1.84	2.58	3.38	4.21	5.05	5.89	6.71	7.56	8.35	9.07	9.76	10.4	10.8	11.0	11.1
75	0.05	0.06	0.15	0.55	0.94	1.37	1.86	2.37	2.88	3.39	3.86	4.32	4.75	5.12	5.46	5.72	5.91	6.02	6.04
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
Operators:C
Test Date:06 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:238.51V I:2.5937A P:607.88W PF:0.9826 Freq:49.97Hz Lamp Flux:89544.1x1 lm		
NAME: HL-SP06-600W-30°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1	Shielding Angle:

Table--2

UNIT: ×100cd

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	7.29	7.19	6.97	6.71	6.37	5.98	5.56	5.06	4.56	4.05	3.56	3.11	2.69	2.37	2.19	2.11	2.02	1.30	
-70	11.9	11.6	11.0	10.4	9.76	8.93	8.10	7.21	6.34	5.48	4.64	3.86	3.14	2.55	2.09	1.73	1.39	0.74	
-65	16.7	16.3	15.6	14.7	13.7	12.5	11.3	10.0	8.80	7.58	6.39	5.23	4.15	3.17	2.34	1.60	1.12	0.69	
-60	21.2	20.5	19.4	18.2	16.8	15.2	13.6	11.9	10.3	8.73	7.18	5.72	4.33	3.09	1.94	1.05	0.53	0.29	
-55	39.9	38.1	35.4	31.9	28.2	24.4	20.8	17.6	14.7	12.1	9.84	7.80	5.96	4.32	2.87	1.51	0.63	0.31	
-50	57.5	53.8	48.6	42.7	36.6	30.7	25.5	21.0	17.0	13.7	10.8	8.38	6.21	4.32	2.66	1.14	0.35	0.18	
-45	77.0	72.7	66.3	58.3	49.9	41.6	34.1	27.8	22.3	17.7	13.9	10.8	8.11	5.80	3.76	1.84	0.54	0.16	
-40	134	122	105	88.4	71.9	57.2	44.6	34.1	26.0	19.9	15.0	11.2	8.11	5.56	3.39	1.41	0.26	0.11	
-35	199	182	158	132	107	84.2	64.6	48.3	35.6	26.5	19.7	14.4	10.4	7.27	4.69	2.45	0.63	0.12	
-30	252	224	189	155	123	94.5	71.0	51.4	37.2	27.5	19.7	14.2	10.0	6.79	4.14	1.86	0.26	0.08	
-25	556	452	336	249	184	135	99.1	71.5	50.5	35.4	25.2	17.8	12.5	8.53	5.47	2.93	0.80	0.09	
-20	789	584	406	286	202	144	104	73.0	50.2	34.6	24.2	16.7	11.5	7.65	4.64	2.16	0.31	0.08	
-15	1148	885	601	409	280	193	138	97.4	66.7	44.4	30.6	21.0	14.2	9.59	6.10	3.28	1.05	0.08	
-10	1470	1086	671	405	266	181	128	89.3	60.2	40.0	27.6	18.5	12.5	8.25	5.00	2.36	0.41	0.08	
-5	2015	1621	1056	571	347	228	156	109	75.1	49.3	33.1	22.5	15.0	10.0	6.35	3.41	1.14	0.07	
0	2295	1730	986	513	316	208	143	100	67.2	43.7	29.6	19.7	13.1	8.59	5.20	2.46	0.57	0.08	
5	1958	1571	1024	555	339	224	154	109	75.2	49.4	33.1	22.5	14.9	9.98	6.33	3.41	1.16	0.07	
10	1361	997	624	381	254	175	125	89.2	60.5	40.0	27.5	18.4	12.4	8.20	4.97	2.35	0.54	0.07	
15	978	736	505	363	256	181	131	96.7	67.1	44.7	30.5	20.9	14.0	9.48	6.05	3.25	1.11	0.06	
20	664	483	348	255	186	136	101	73.1	50.5	34.5	24.1	16.3	11.3	7.55	4.59	2.16	0.48	0.06	
25	465	375	282	218	166	128	96.5	71.7	50.7	35.3	25.1	17.3	12.1	8.38	5.39	2.89	0.97	0.05	
30	204	186	159	135	112	92.1	71.0	52.0	37.2	27.2	19.3	13.6	9.76	6.65	4.06	1.89	0.41	0.05	
35	164	153	135	116	97.5	81.3	64.0	48.7	35.7	26.0	19.2	13.8	10.1	7.07	4.56	2.43	0.81	0.05	
40	116	108	94.9	82.0	69.0	56.5	44.5	34.2	25.6	19.1	14.3	10.7	7.81	5.36	3.25	1.51	0.27	0.05	
45	72.9	70.3	65.4	58.5	50.5	42.2	34.0	27.7	22.0	16.6	13.0	10.2	7.75	5.54	3.57	1.88	0.63	0.04	
50	55.0	52.3	48.1	42.6	36.6	30.4	24.9	20.5	16.4	12.6	10.1	7.86	5.85	4.02	2.41	1.11	0.15	0.04	
55	38.3	36.9	34.5	31.3	27.5	23.7	19.9	16.8	14.0	11.2	9.06	7.22	5.50	3.92	2.50	1.30	0.38	0.04	
60	20.7	19.8	18.5	17.0	15.4	13.8	12.3	10.8	9.38	7.97	6.54	5.17	3.87	2.64	1.56	0.71	0.07	0.03	
65	16.0	15.5	14.6	13.6	12.4	11.2	10.0	8.88	7.76	6.65	5.53	4.43	3.38	2.36	1.51	0.75	0.19	0.04	
70	10.9	10.5	9.92	9.22	8.46	7.66	6.87	6.08	5.27	4.45	3.62	2.83	2.04	1.35	0.82	0.31	0.06	0.05	
75	5.99	5.87	5.70	5.46	5.13	4.75	4.35	3.91	3.42	2.90	2.37	1.86	1.38	0.84	0.59	0.24	0.06	0.04	
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:06 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks: