

# Floodlight Summary:

Report based on lamp delivering 1000 lumens.

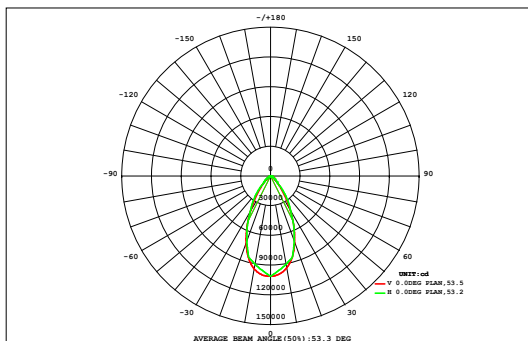
Maximum Intensity		1123.7 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	90.7V x 90.0H
	At 50% of Imax	53.2V x 53.5H
	At 90% of Imax	18.8V x 24.5H
Beam Flux	Total	999.5 lumens per klm.
	To 10% of Imax	891.7 lumens per klm.
	To 50% of Imax	543.4 lumens per klm.
	To 90% of Imax	98.2 lumens per klm.
Upward LOR		0.0 %
Downward LOR		100.0 %
Luminaire Efficiency(Light Output Ratio)		99.9 %

C Range: 0 - 90DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:C  
Test Date:02 January 2020

γ Range:-75 - 75DEG  
γ Interval: 0.5DEG  
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:244.31V I:2.5225A P:604.47W PF:0.9808 Freq:50.03Hz Lamp Flux:90128.8x1 lm		
NAME: HL-SP06-600W-60°	TYPE:0	
MFR.: EVERFINE		



DATA OF LAMP		Eff:149.03lm/W	
MODEL	HL-SP06-600W-60°	Imax (cd)	101277
NOMINAL POWER (W)	600	AVAILABILITY (%)	89.2
RATED VOLTAGE (V)	240	Avai. FLUX (lm)	80374
NOMINAL FLUX (lm)	90128.8	LOR (%)	99.9
LAMPS INSIDE	1	TOTAL FLUX (lm)	90082
TEST VOLTAGE (V)	240	θ @50% (H,V)	53,53DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	2.13	4.38	7.55	11.5	16.0	20.8	25.5	29.3	31.6	31.8	29.9	26.3	21.7	16.7	12.0	7.86	4.58	2.25	302	0.00
72	2.13	4.38	7.55	11.5	16.0	20.8	25.5	29.3	31.6	31.8	29.9	26.3	21.7	16.7	12.0	7.86	4.58	2.25	302	0.00
64	3.14	6.66	11.7	18.2	26.2	35.4	44.8	53.0	58.1	58.6	54.3	46.4	36.9	27.3	18.9	12.1	6.89	3.30	522	0.00
56	4.27	9.27	16.9	28.3	45.2	66.9	91.6	114	129	129	116	93.2	68.2	46.2	29.3	17.5	9.60	4.44	1020	0.00
48	5.42	12.0	22.9	40.9	70.7	114	167	219	251	253	222	171	117	72.7	42.6	23.8	12.5	5.64	1822	827
40	6.55	15.0	30.7	60.6	115	206	331	457	539	545	472	349	220	122	63.7	32.1	15.7	6.86	3587	3077
32	7.57	18.0	39.4	83.8	172	327	541	752	885	894	775	569	350	183	87.6	40.9	18.9	8.02	5752	5344
24	8.49	21.0	49.0	113	253	504	836	1146	1333	1344	1174	872	531	266	117	49.9	21.8	8.95	8649	8309
	9.31	23.3	55.8	136	319	646	1070	1453	1676	1692	1495	1122	686	339	143	58.1	23.8	9.51	10955	10649
	9.93	25.2	60.8	150	361	732	1205	1622	1847	1866	1677	1278	791	390	162	62.6	24.7	9.73	12274	11981
	9.93	25.2	60.8	150	361	732	1205	1622	1847	1866	1677	1278	791	390	162	62.6	24.7	9.73	12274	11981
	9.31	23.3	55.8	136	319	646	1070	1453	1676	1692	1495	1122	686	339	143	58.1	23.8	9.51	10955	10649
-24	8.49	21.0	49.0	113	253	504	836	1146	1333	1344	1174	872	531	266	117	49.9	21.8	8.95	8649	8309
-32	7.57	18.0	39.4	83.8	172	327	541	752	885	894	775	569	350	183	87.6	40.9	18.9	8.02	5752	5344
-40	6.55	15.0	30.7	60.6	115	206	331	457	539	545	472	349	220	122	63.7	32.1	15.7	6.86	3587	3077
-48	5.42	12.0	22.9	40.9	70.7	114	167	219	251	253	222	171	117	72.7	42.6	23.8	12.5	5.64	1822	827
-56	4.27	9.27	16.9	28.3	45.2	66.9	91.6	114	129	129	116	93.2	68.2	46.2	29.3	17.5	9.60	4.44	1020	0.00
-64	3.14	6.66	11.7	18.2	26.2	35.4	44.8	53.0	58.1	58.6	54.3	46.4	36.9	27.3	18.9	12.1	6.89	3.30	522	0.00
-72	2.13	4.38	7.55	11.5	16.0	20.8	25.5	29.3	31.6	31.8	29.9	26.3	21.7	16.7	12.0	7.86	4.58	2.25	302	0.00
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)	16	24	32	40	48	56	64	72			
Φ t	114	270	589	1285	2756	5304	8624	11689	13500	13628	12030	9052	5642	2927	1352	610	277	117	89767	---
Φ a	0.00	0.00	0.00	369	2102	4769	8117	11148	12926	13051	11484	8537	5114	2295	463	0.00	0.00	0.00	---	80374

one-half-peak spread: U:26.8,D:26.8 , L:26.8,R:27.0

NEMA Beam Type: Type 5

C Range: 0 - 90DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:C

Test Date:02 January 2020

γ Range:-75 - 75DEG

γ Interval: 0.5DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.416

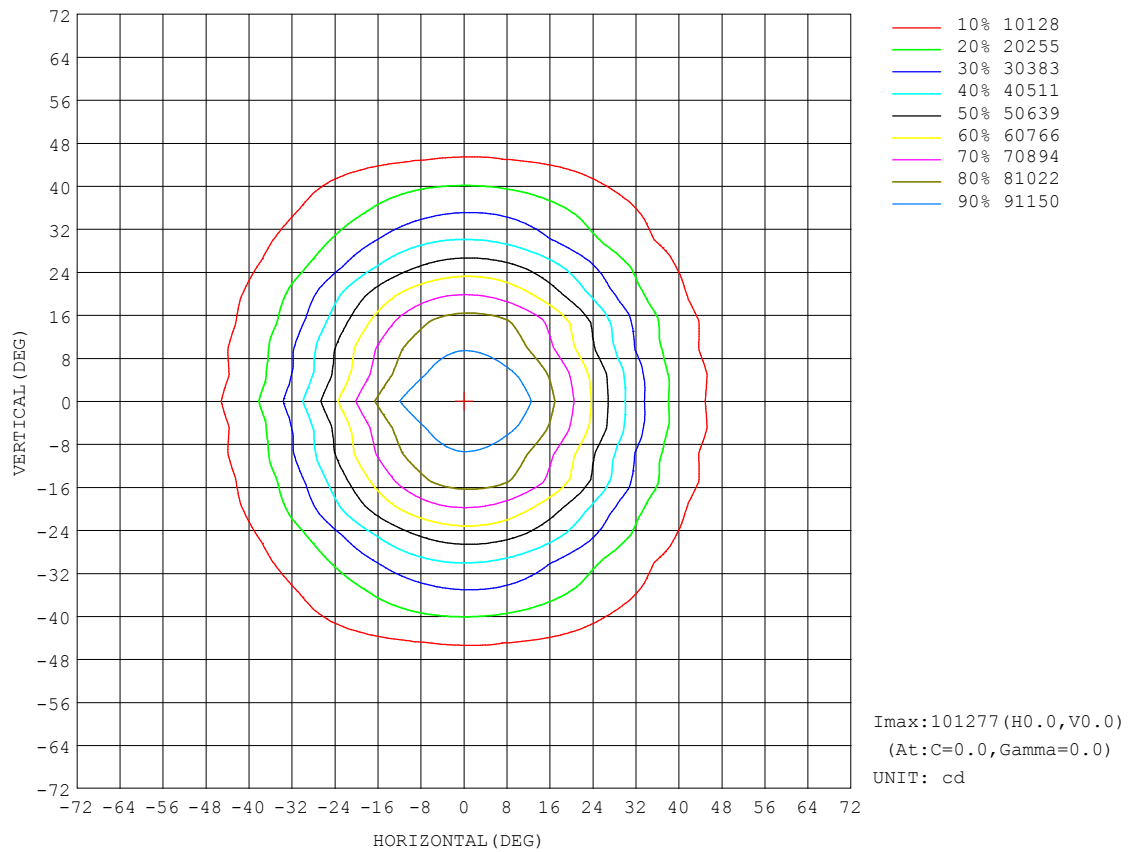
Humidity:65.0%

Test Distance:8.000m [K=1.0000]

Remarks:

**ISOCANDELA DIAGRAM**

Test:U:244.31V I:2.5225A P:604.47W PF:0.9808 Freq:50.03Hz Lamp Flux:90128.8x1 lm		
NAME: HL-SP06-600W-60°	TYPE:0	
MFR.: EVERFINE		

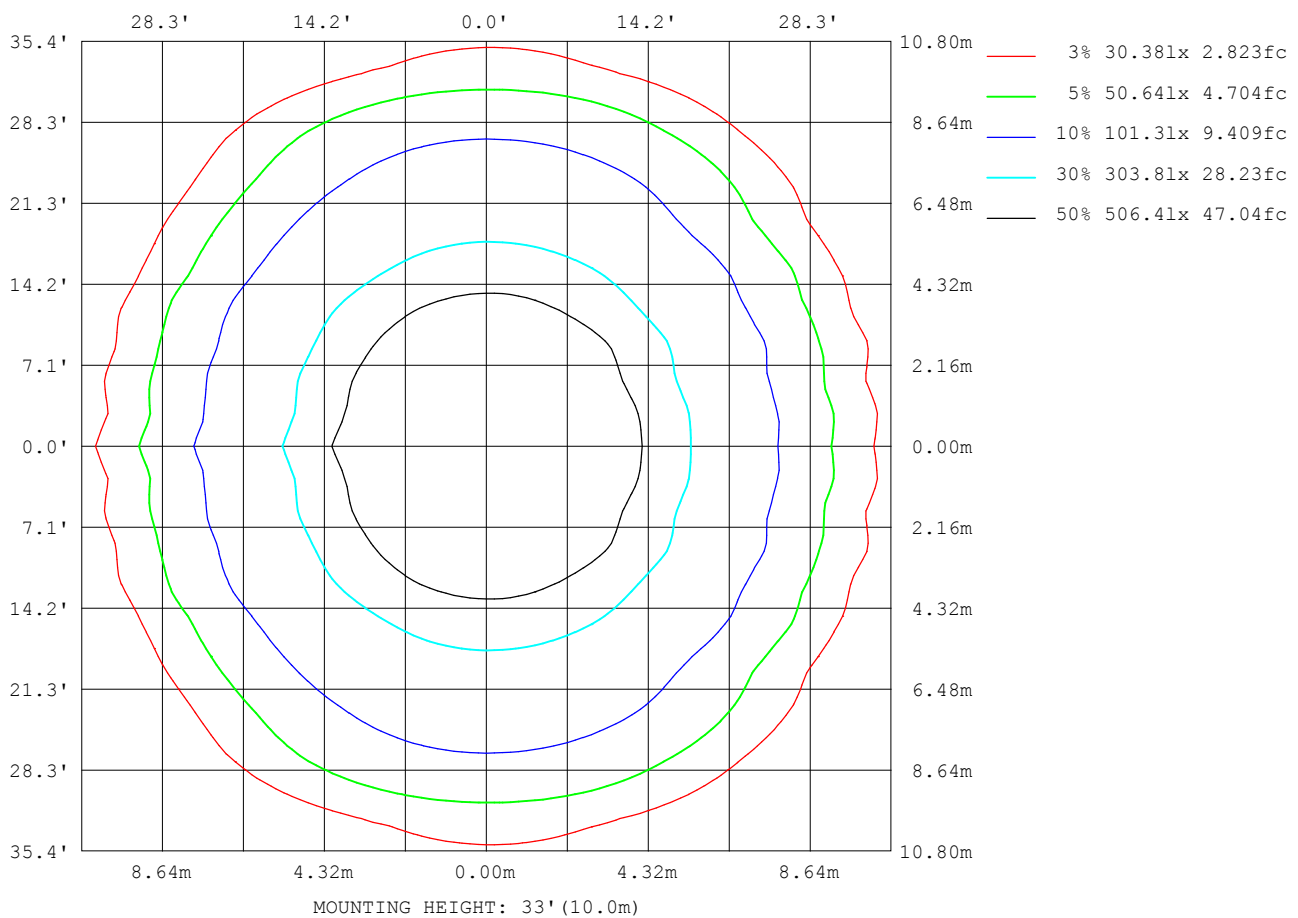


C Range: 0 - 90DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:C  
 Test Date:02 January 2020

γ Range:-75 - 75DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.416  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

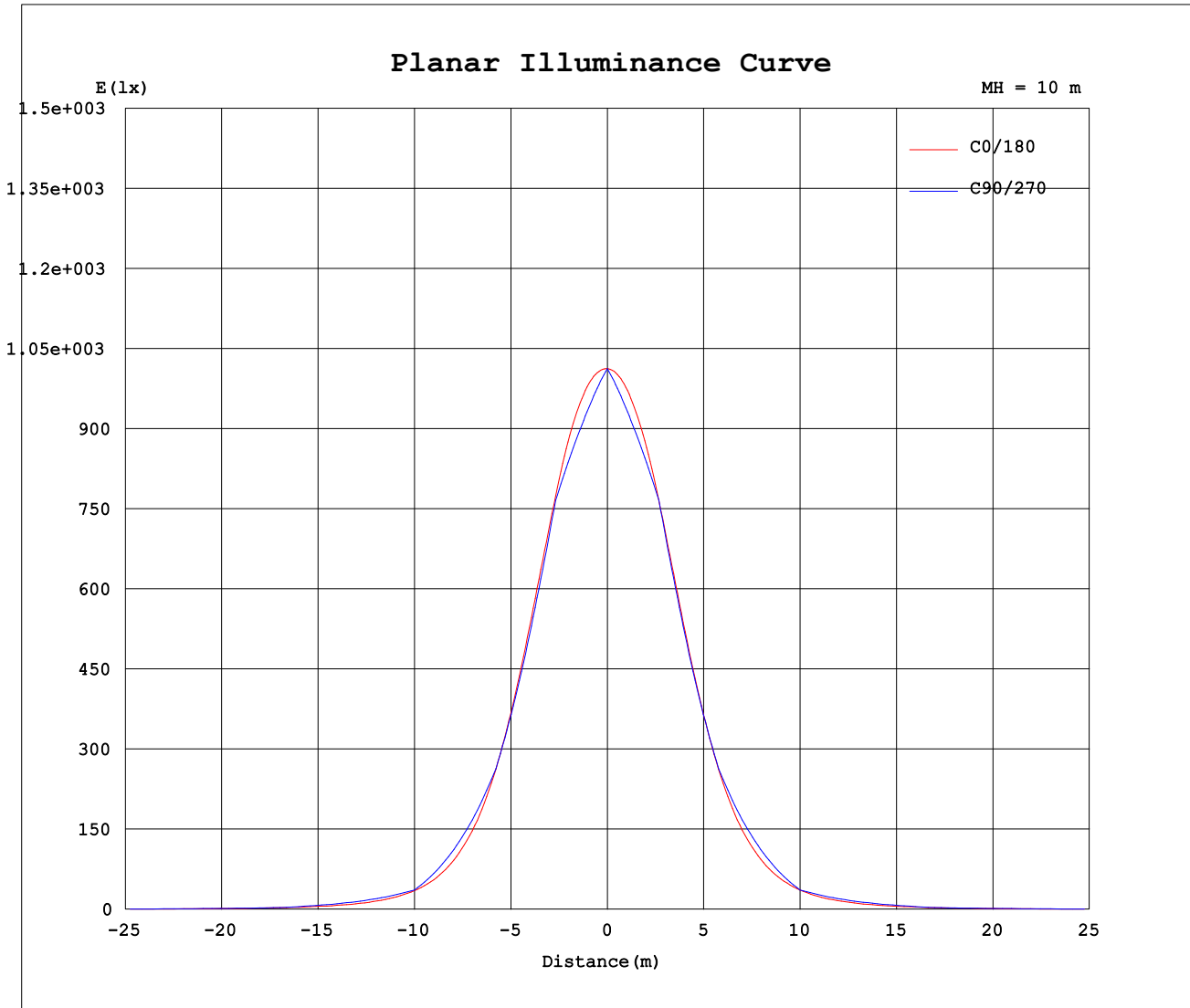
Test:U:244.31V I:2.5225A P:604.47W PF:0.9808 Freq:50.03Hz Lamp Flux:90128.8x1 lm		
NAME: HL-SP06-600W-60°	TYPE:0	
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 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
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γ Range:-75 - 75DEG  
 γ Interval: 0.5DEG  
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 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

### Planar Illuminance Curve

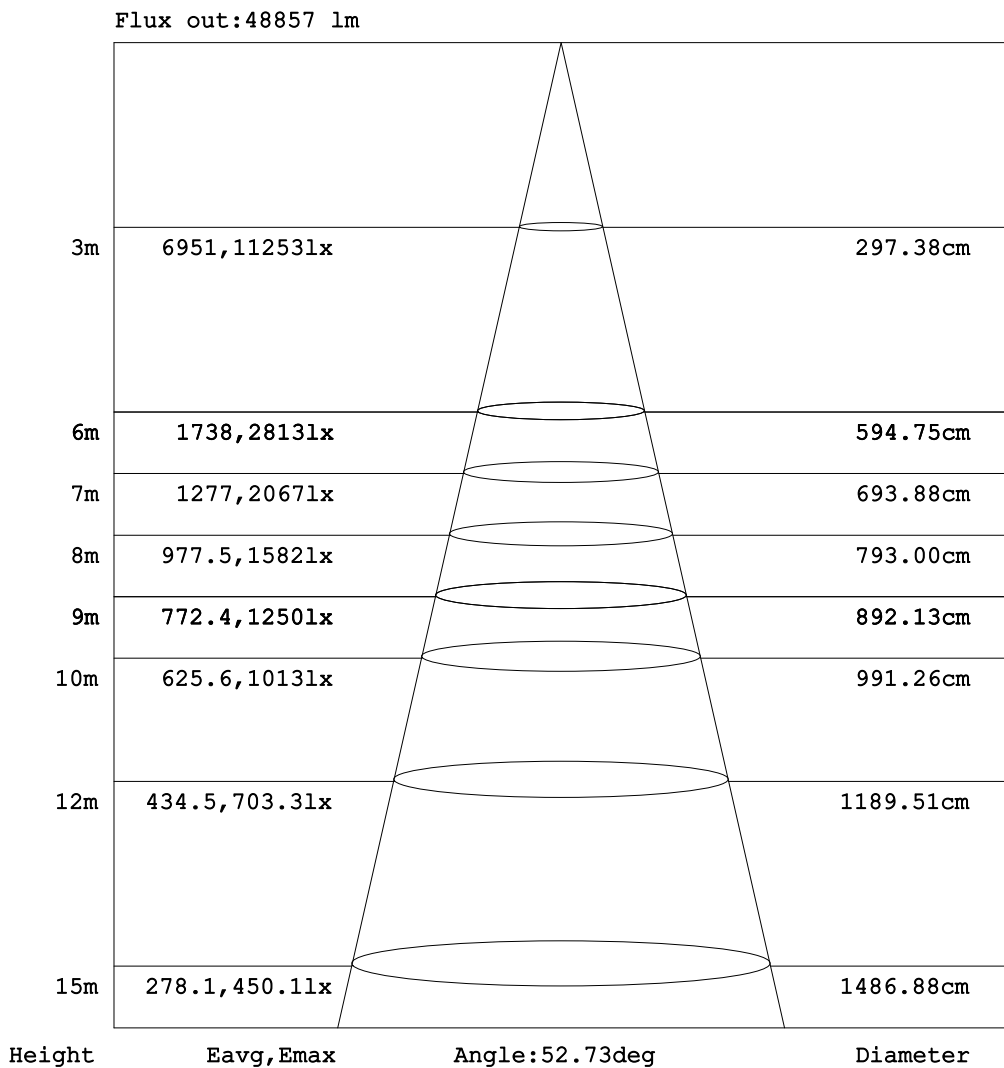


C Range: 0 - 90DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: C  
 Test Date: 02 January 2020

$\gamma$  Range: -75 - 75DEG  
 $\gamma$  Interval: 0.5DEG  
 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:244.31V I:2.5225A P:604.47W PF:0.9808 Freq:50.03Hz Lamp Flux:90128.8x1 lm		
NAME: HL-SP06-600W-60°	TYPE:0	
MFR.: EVERFINE		



**Note:** The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 90DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: C  
 Test Date: 02 January 2020

γ Range: -75 - 75DEG  
 γ Interval: 0.5DEG  
 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:244.31V I:2.5225A P:604.47W PF:0.9808 Freq:50.03Hz Lamp Flux:90128.8x1 lm		
NAME: HL-SP06-600W-60°	TYPE:0	
MFR.: EVERFINE		

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	0.07	0.00	0.00	0.00	0.00	0.00	0.00	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	0.07	0.00	0.00	0.00	0.00	0.00	0.00	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	0.07	0.13	0.13	0.08	0.07	0.13	0.05	0.15	0.09	0.10	0.16	0.17	0.16	0.09	0.12	0.16	0.16	0.06	0.00
-75	0.07	0.46	0.75	1.11	1.45	1.89	2.40	2.96	3.55	4.15	4.74	5.30	5.85	6.34	6.80	7.18	7.42	7.62	7.71
-70	0.07	0.63	1.02	1.60	2.26	3.05	3.95	4.91	5.92	6.95	8.00	9.06	10.1	11.1	12.0	12.8	13.4	13.8	14.0
-65	0.07	0.59	1.11	1.92	2.92	4.03	5.26	6.58	7.98	9.41	10.9	12.4	14.0	15.4	16.9	18.1	19.1	19.8	20.2
-60	0.07	0.57	1.20	2.33	3.59	5.11	6.78	8.55	10.4	12.4	14.4	16.5	18.7	20.8	22.7	24.3	25.5	26.5	26.5
-55	0.07	0.60	1.48	2.90	4.48	6.22	8.21	10.5	13.2	16.2	19.9	24.2	28.9	33.9	39.0	43.8	47.9	50.8	52.1
-50	0.07	0.59	1.61	3.18	5.34	7.68	10.1	13.1	16.6	21.0	26.6	33.4	40.9	49.2	57.6	65.4	71.9	76.2	77.9
-45	0.07	0.59	1.71	3.73	5.91	8.77	11.9	15.4	19.6	24.8	32.0	41.1	51.8	64.0	76.1	86.2	95.2	102	104
-40	0.07	0.70	2.07	4.42	6.81	9.78	13.9	18.6	24.8	33.6	45.7	62.1	82.9	109	136	162	185	199	205
-35	0.07	0.78	2.45	4.83	7.86	10.8	15.6	21.4	29.2	40.3	56.8	79.3	109	147	190	232	269	294	305
-30	0.07	0.83	2.74	5.25	8.64	12.1	17.4	24.8	35.0	50.6	73.2	105	147	201	260	317	364	396	407
-25	0.07	0.88	2.90	5.74	9.02	13.4	19.2	27.8	39.6	60.2	89.5	133	192	267	347	426	491	535	554
-20	0.07	0.92	3.05	6.13	9.45	14.6	21.0	30.9	47.1	72.6	112	174	258	357	462	559	636	685	703
-15	0.07	0.97	3.21	6.42	9.91	15.5	22.6	33.1	52.0	79.3	127	197	296	416	544	662	757	821	850
-10	0.07	1.01	3.36	6.67	10.5	16.2	23.7	35.3	55.2	91.2	143	229	340	478	616	736	830	885	905
-5	0.07	1.05	3.49	6.87	11.0	16.8	24.9	37.4	56.9	88.5	148	239	355	493	642	774	872	933	958
0	0.07	1.09	3.58	6.99	11.3	17.1	25.7	39.8	63.1	103	169	271	404	559	713	849	943	995	1013
5	0.07	1.05	3.49	6.87	11.0	16.8	24.9	37.4	56.9	88.5	148	239	355	493	642	774	872	933	958
10	0.07	1.01	3.36	6.67	10.5	16.2	23.7	35.3	55.2	91.2	143	229	340	478	616	736	830	885	905
15	0.07	0.97	3.21	6.42	9.91	15.5	22.6	33.1	52.0	79.3	127	197	296	416	544	662	757	821	850
20	0.07	0.92	3.05	6.13	9.45	14.6	21.0	30.9	47.1	72.6	112	174	258	357	462	559	636	685	703
25	0.07	0.88	2.90	5.74	9.02	13.4	19.2	27.8	39.6	60.2	89.5	133	192	267	347	426	491	535	554
30	0.07	0.83	2.74	5.25	8.64	12.1	17.4	24.8	35.0	50.6	73.2	105	147	201	260	317	364	396	407
35	0.07	0.78	2.45	4.83	7.86	10.8	15.6	21.4	29.2	40.3	56.8	79.3	109	147	190	232	269	294	305
40	0.07	0.70	2.07	4.42	6.81	9.78	13.9	18.6	24.8	33.6	45.7	62.1	82.9	109	136	162	185	199	205
45	0.07	0.59	1.71	3.73	5.91	8.77	11.9	15.4	19.6	24.8	32.0	41.1	51.8	64.0	76.1	86.2	95.2	102	104
50	0.07	0.59	1.61	3.18	5.34	7.68	10.1	13.1	16.6	21.0	26.6	33.4	40.9	49.2	57.6	65.4	71.9	76.2	77.9
55	0.07	0.60	1.48	2.90	4.48	6.22	8.21	10.5	13.2	16.2	19.9	24.2	28.9	33.9	39.0	43.8	47.9	50.8	52.1
60	0.07	0.57	1.20	2.33	3.59	5.11	6.78	8.55	10.4	12.4	14.4	16.5	18.7	20.8	22.7	24.3	25.5	26.5	26.5
65	0.07	0.59	1.11	1.92	2.92	4.03	5.26	6.58	7.98	9.41	10.9	12.4	14.0	15.4	16.9	18.1	19.1	19.8	20.2
70	0.07	0.63	1.02	1.60	2.26	3.05	3.95	4.91	5.92	6.95	8.00	9.06	10.1	11.1	12.0	12.8	13.4	13.8	14.0
75	0.07	0.46	0.75	1.11	1.45	1.89	2.40	2.96	3.55	4.15	4.74	5.30	5.85	6.34	6.80	7.18	7.42	7.62	7.71
80	0.07	0.13	0.13	0.08	0.07	0.13	0.05	0.15	0.09	0.10	0.16	0.17	0.16	0.09	0.12	0.16	0.16	0.06	0.00
85	0.07	0.00	0.00	0.00	0.00	0.00	0.00	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	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 90DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:C

Test Date:02 January 2020

γ Range:-75 - 75DEG

γ Interval: 0.5DEG

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:244.31V I:2.5225A P:604.47W PF:0.9808 Freq:50.03Hz Lamp Flux:90128.8x1 lm		
NAME: HL-SP06-600W-60°	TYPE:0	
MFR.: EVERFINE		

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	0.09	
-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	0.09	
-80	0.06	0.16	0.17	0.13	0.10	0.17	0.18	0.17	0.11	0.09	0.16	0.06	0.14	0.08	0.09	0.13	0.12	0.09	
-75	7.66	7.51	7.31	6.97	6.54	6.08	5.54	4.99	4.40	3.79	3.19	2.61	2.06	1.59	1.23	0.81	0.41	0.09	
-70	13.9	13.5	13.0	12.2	11.3	10.3	9.24	8.15	7.08	6.03	5.00	4.03	3.14	2.35	1.64	0.99	0.56	0.09	
-65	20.1	19.6	18.8	17.7	16.3	14.8	13.2	11.6	9.97	8.43	6.95	5.55	4.25	3.09	2.10	1.17	0.52	0.09	
-60	26.6	25.9	24.8	23.3	21.4	19.2	17.0	14.7	12.6	10.6	8.71	6.96	5.36	3.91	2.53	1.34	0.51	0.09	
-55	51.6	49.3	45.6	40.9	35.8	30.6	25.7	21.3	17.4	14.1	11.3	8.88	6.60	4.59	2.84	1.41	0.47	0.09	
-50	76.3	71.9	65.4	57.4	49.0	40.9	33.5	27.0	21.6	17.1	13.5	10.4	7.60	5.39	3.57	1.72	0.52	0.09	
-45	104	97.9	89.5	79.3	67.0	54.6	43.7	34.5	27.0	21.0	16.2	12.2	8.97	6.48	4.01	2.10	0.59	0.09	
-40	200	185	163	136	109	83.9	62.9	46.6	34.4	25.5	18.9	13.9	10.5	7.23	4.29	2.23	0.57	0.09	
-35	300	280	247	205	162	122	87.8	62.5	44.6	31.4	22.3	16.1	12.0	7.79	4.86	2.35	0.58	0.09	
-30	397	366	321	263	206	150	105	73.8	51.8	36.3	25.1	18.2	13.0	8.52	5.34	2.52	0.64	0.09	
-25	546	512	453	379	294	214	147	96.9	63.4	43.2	28.6	20.1	13.9	9.51	5.67	2.80	0.69	0.09	
-20	688	641	567	472	365	260	177	116	73.4	47.5	32.0	21.7	14.7	10.3	5.98	3.03	0.74	0.09	
-15	838	790	704	595	462	333	226	138	88.4	53.1	35.9	23.1	15.4	10.8	6.29	3.18	0.78	0.09	
-10	890	837	748	625	485	352	234	149	88.5	57.5	37.2	23.8	15.9	11.0	6.50	3.25	0.79	0.09	
-5	951	907	822	697	552	398	264	167	104	61.6	37.8	24.5	16.3	11.0	6.58	3.25	0.79	0.09	
0	1001	953	859	724	565	406	269	166	99.7	60.3	37.7	24.7	16.5	10.8	6.56	3.20	0.78	0.09	
5	951	907	822	697	552	398	264	167	104	61.6	37.8	24.5	16.3	11.0	6.58	3.25	0.79	0.09	
10	890	837	748	625	485	352	234	149	88.5	57.5	37.2	23.8	15.9	11.0	6.50	3.25	0.79	0.09	
15	838	790	704	595	462	333	226	138	88.4	53.1	35.9	23.1	15.4	10.8	6.29	3.18	0.78	0.09	
20	688	641	567	472	365	260	177	116	73.4	47.5	32.0	21.7	14.7	10.3	5.98	3.03	0.74	0.09	
25	546	512	453	379	294	214	147	96.9	63.4	43.2	28.6	20.1	13.9	9.51	5.67	2.80	0.69	0.09	
30	397	366	321	263	206	150	105	73.8	51.8	36.3	25.1	18.2	13.0	8.52	5.34	2.52	0.64	0.09	
35	300	280	247	205	162	122	87.8	62.5	44.6	31.4	22.3	16.1	12.0	7.79	4.86	2.35	0.58	0.09	
40	200	185	163	136	109	83.9	62.9	46.6	34.4	25.5	18.9	13.9	10.5	7.23	4.29	2.23	0.57	0.09	
45	104	97.9	89.5	79.3	67.0	54.6	43.7	34.5	27.0	21.0	16.2	12.2	8.97	6.48	4.01	2.10	0.59	0.09	
50	76.3	71.9	65.4	57.4	49.0	40.9	33.5	27.0	21.6	17.1	13.5	10.4	7.60	5.39	3.57	1.72	0.52	0.09	
55	51.6	49.3	45.6	40.9	35.8	30.6	25.7	21.3	17.4	14.1	11.3	8.88	6.60	4.59	2.84	1.41	0.47	0.09	
60	26.6	25.9	24.8	23.3	21.4	19.2	17.0	14.7	12.6	10.6	8.71	6.96	5.36	3.91	2.53	1.34	0.51	0.09	
65	20.1	19.6	18.8	17.7	16.3	14.8	13.2	11.6	9.97	8.43	6.95	5.55	4.25	3.09	2.10	1.17	0.52	0.09	
70	13.9	13.5	13.0	12.2	11.3	10.3	9.24	8.15	7.08	6.03	5.00	4.03	3.14	2.35	1.64	0.99	0.56	0.09	
75	7.66	7.51	7.31	6.97	6.54	6.08	5.54	4.99	4.40	3.79	3.19	2.61	2.06	1.59	1.23	0.81	0.41	0.09	
80	0.06	0.16	0.17	0.13	0.10	0.17	0.18	0.17	0.11	0.09	0.16	0.06	0.14	0.08	0.09	0.13	0.12	0.09	
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	0.09	
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	0.09	

C Range: 0 - 90DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:C

Test Date:02 January 2020

γ Range:-75 - 75DEG

γ Interval: 0.5DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.416

Humidity:65.0%

Test Distance:8.000m [K=1.0000]

Remarks: