

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1949.1 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	74.8V x 68.6H
	At 50% of Imax	38.7V x 37.1H
	At 90% of Imax	8.2V x 14.7H

Beam Flux	Total	998.3 lumens per klm.
	To 10% of Imax	820.7 lumens per klm.
	To 50% of Imax	428.7 lumens per klm.
	To 90% of Imax	44.9 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.8 %

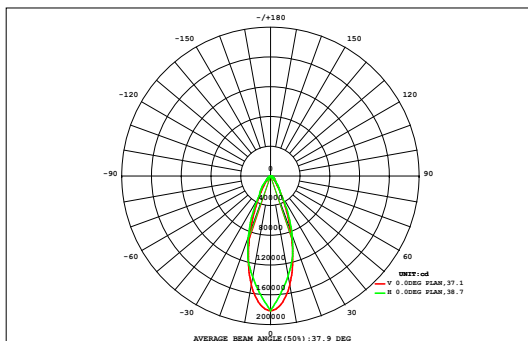
Luminaire Efficiency (Light Output Ratio)	99.8 %
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C Range: 0 - 90DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: C
Test Date: 30 December 2019

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:234.41V I:2.6294A P:605.97W PF:0.9831 Freq:50.01Hz Lamp Flux:92909.1x1 lm		
NAME: HL-SP06-600W-40°	TYPE:0	
MFR.: EVERFINE		



DATA OF LAMP		Eff:153.05lm/W	
MODEL	HL-SP06-600W-40°	Imax (cd)	181088
NOMINAL POWER (W)	600	AVAILABILITY (%)	82.0
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	76186
NOMINAL FLUX (lm)	92909.1	LOR (%)	99.8
LAMPS INSIDE	1	TOTAL FLUX (lm)	92743
TEST VOLTAGE (V)	230	θ @50% (H,V)	37,39DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	1.67	3.78	6.85	10.8	15.5	20.4	25.1	28.9	31.0	31.0	28.9	25.1	20.4	15.5	10.8	6.85	3.78	1.67	288	0.00
72	1.67	3.78	6.85	10.8	15.5	20.4	25.1	28.9	31.0	31.0	28.9	25.1	20.4	15.5	10.8	6.85	3.78	1.67	288	0.00
64	2.74	6.12	11.1	17.7	25.9	34.9	43.9	51.4	55.8	55.8	51.4	43.9	34.9	25.9	17.7	11.1	6.12	2.74	499	0.00
56	3.96	8.91	16.7	27.9	42.7	60.9	80.6	97.8	108	108	97.8	80.6	60.9	42.7	27.9	16.7	8.91	3.96	895	0.00
48	5.20	11.9	22.8	39.5	63.3	95.1	133	172	197	197	172	133	95.1	63.3	39.5	22.8	11.9	5.20	1480	0.00
40	6.41	15.0	30.1	54.6	93.7	153	235	334	407	407	334	235	153	93.7	54.6	30.1	15.0	6.41	2658	970
32	7.51	18.0	37.2	70.2	129	234	411	639	810	810	639	411	234	129	70.2	37.2	18.0	7.51	4712	3621
24	8.44	20.8	43.7	86.6	174	366	757	1274	1650	1650	1274	757	366	174	86.6	43.7	20.8	8.44	8761	7926
	9.11	22.8	48.6	99.3	212	490	1079	1861	2424	2424	1861	1079	490	212	99.3	48.6	22.8	9.11	12491	11728
	9.48	23.9	50.9	106	239	596	1352	2349	3058	3058	2349	1352	596	239	106	50.9	23.9	9.48	15569	14853
	9.43	23.9	50.5	105	235	589	1335	2327	3041	3041	2327	1335	589	235	105	50.5	23.9	9.43	15429	14715
	8.97	22.5	47.3	94.0	200	469	1028	1796	2373	2373	1796	1028	469	200	94.0	47.3	22.5	8.97	12077	11313
-24	8.24	20.4	42.3	80.2	158	339	699	1201	1585	1585	1201	699	339	158	80.2	42.3	20.4	8.24	8267	7411
-32	7.30	17.5	36.1	64.2	113	206	367	581	743	743	581	367	206	113	64.2	36.1	17.5	7.30	4268	3142
-40	6.23	14.4	29.0	50.6	82.1	130	202	289	352	352	289	202	130	82.1	50.6	29.0	14.4	6.23	2311	509
-48	5.12	11.4	21.7	37.8	57.9	81.5	110	139	159	159	139	110	81.5	57.9	37.8	21.7	11.4	5.12	1247	0.00
-56	4.09	8.75	15.9	26.7	39.5	52.8	66.7	79.4	87.0	87.0	79.4	66.7	52.8	39.5	26.7	15.9	8.75	4.09	762	0.00
-64	3.17	6.42	11.0	16.8	23.7	31.1	38.9	45.8	49.8	49.8	45.8	38.9	31.1	23.7	16.8	11.0	6.42	3.17	454	0.00
-72	2.55	4.72	7.61	11.1	15.1	19.3	23.6	27.3	29.3	29.3	27.3	23.6	19.3	15.1	11.1	7.61	4.72	2.55	281	0.00
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)	16	24	32	40	48	56	64	72			
Φ t	110	261	529	999	1919	3966	7987	13291	17161	17161	13291	7987	3966	1919	999	529	261	110	92449	---
Φ a	0.00	0.00	0.00	0.00	157	2674	6822	12239	16201	16201	12239	6822	2674	157	0.00	0.00	0.00	0.00	---	76186

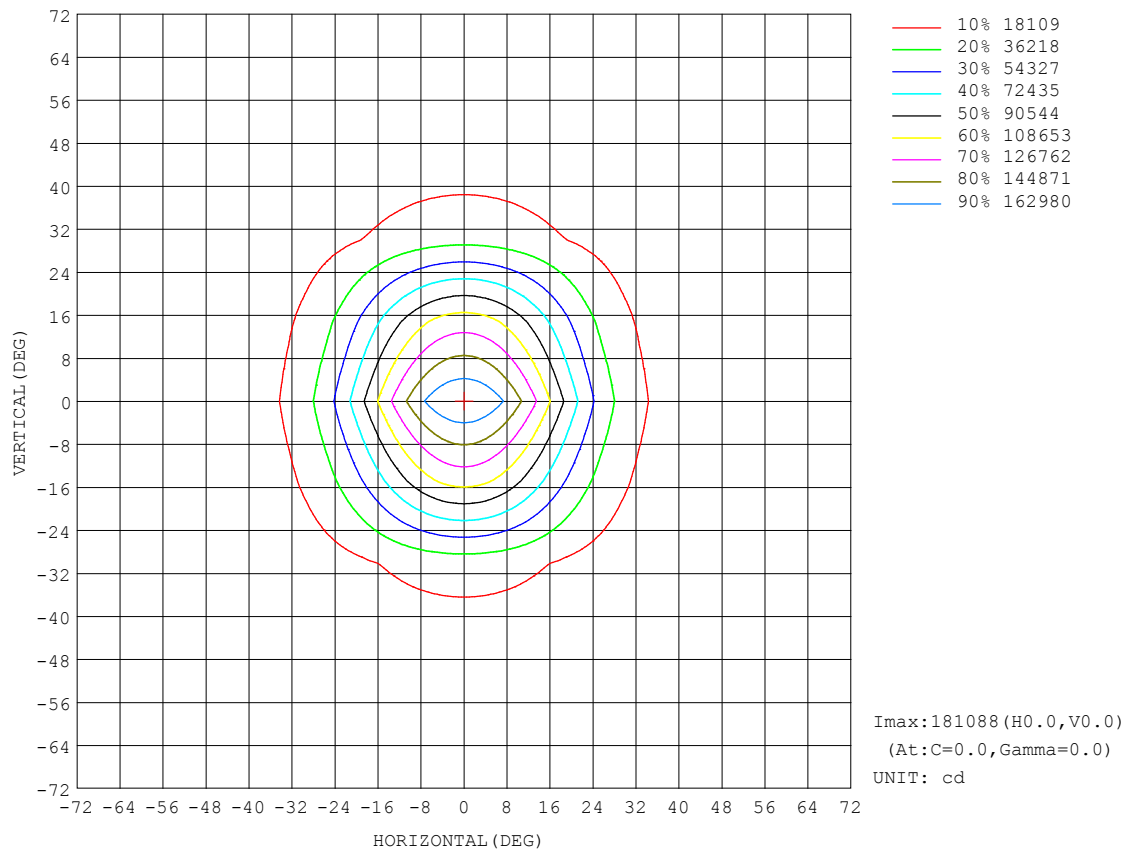
one-half-peak spread: U:19.2,D:19.8 , L:18.7,R:18.7NEMA Beam Type: Type 4 x 5 (H x V)

C Range: 0 - 90DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:30 December 2019

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:234.41V I:2.6294A P:605.97W PF:0.9831 Freq:50.01Hz Lamp Flux:92909.1x1 lm		
NAME: HL-SP06-600W-40°	TYPE:0	
MFR.: EVERFINE		

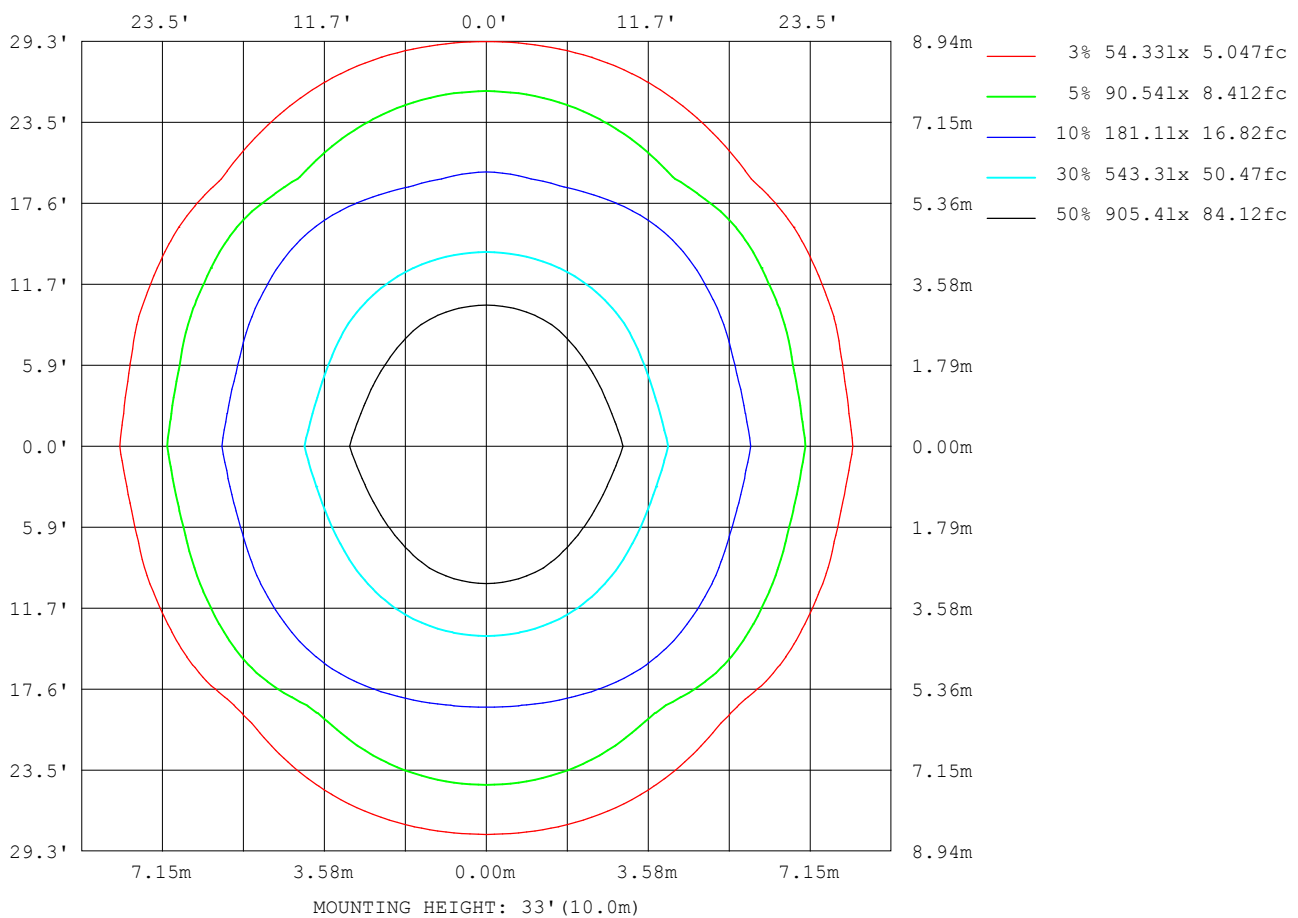


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ISOLUX DIAGRAM

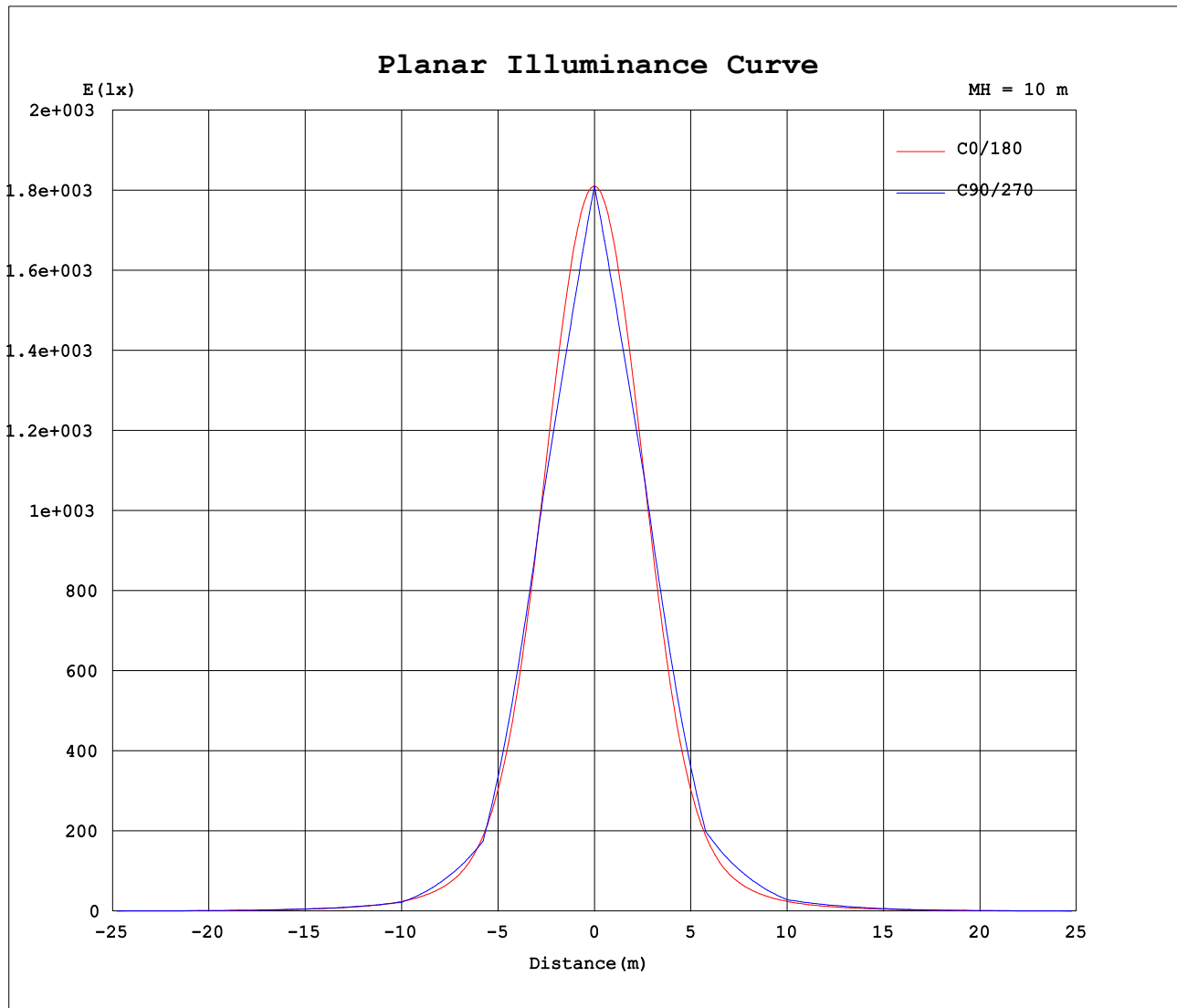
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Planar Illuminance Curve

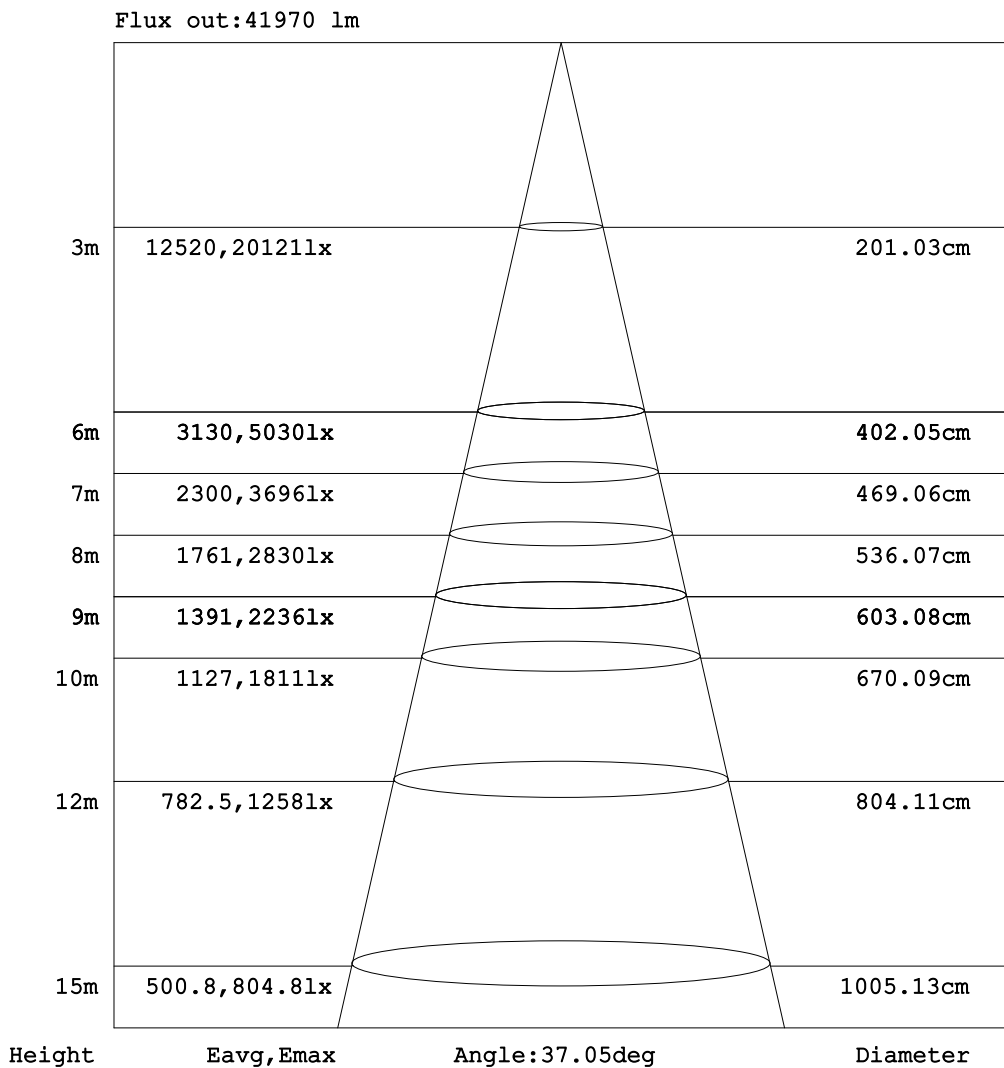


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 Remarks:

AAI Figure

Test:U:234.41V I:2.6294A P:605.97W PF:0.9831 Freq:50.01Hz Lamp Flux:92909.1x1 lm		
NAME: HL-SP06-600W-40°	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:30 December 2019

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:234.41V I:2.6294A P:605.97W PF:0.9831 Freq:50.01Hz Lamp Flux:92909.1x1 lm		
NAME: HL-SP06-600W-40°	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	0.27	0.29	0.18	0.14	0.21	0.08	0.19	0.11	0.12	0.17	0.18	0.16	0.09	0.12	0.16	0.15	0.05	0.00
-75	0.07	0.92	1.70	2.21	2.49	2.85	3.27	3.69	4.14	4.60	5.07	5.47	5.90	6.25	6.56	6.82	6.98	7.12	7.18
-70	0.07	1.20	1.80	2.40	3.00	3.66	4.39	5.17	6.00	6.84	7.70	8.56	9.42	10.3	11.1	11.9	12.4	12.8	12.9
-65	0.07	1.00	1.62	2.43	3.31	4.32	5.41	6.57	7.77	9.01	10.3	11.6	12.9	14.2	15.6	16.8	17.8	18.5	18.7
-60	0.07	0.80	1.47	2.56	3.77	5.08	6.50	8.02	9.61	11.3	13.0	14.8	16.6	18.5	20.4	22.1	23.4	24.3	24.5
-55	0.07	0.68	1.44	2.77	4.33	6.05	7.98	10.1	12.6	15.5	18.6	21.6	24.4	27.3	30.3	33.1	35.4	36.9	37.5
-50	0.07	0.63	1.57	3.17	5.01	7.10	9.49	12.2	15.7	19.9	24.4	28.5	32.5	36.4	40.5	44.4	47.6	49.8	50.6
-45	0.07	0.61	1.76	3.57	5.73	8.22	11.1	14.6	18.9	24.4	30.2	35.6	40.9	46.5	52.0	56.7	60.8	64.0	63.6
-40	0.07	0.61	1.95	3.98	6.48	9.41	12.9	17.5	23.1	29.8	37.2	45.7	55.9	68.3	83.3	100	116	128	133
-35	0.07	0.62	2.15	4.44	7.23	10.7	14.9	20.7	27.5	35.3	44.4	56.2	71.6	91.2	116	145	173	193	201
-30	0.07	0.65	2.34	4.87	7.95	11.8	16.8	23.9	31.7	40.6	51.7	66.9	88.7	118	152	196	232	263	270
-25	0.07	0.68	2.56	5.26	8.66	12.9	18.6	26.5	35.6	46.6	62.3	86.1	124	182	263	362	461	533	560
-20	0.07	0.72	2.75	5.59	9.29	13.9	20.5	29.0	39.1	52.6	73.3	106	160	250	378	535	693	809	852
-15	0.07	0.75	2.90	5.90	9.81	14.8	22.0	31.5	42.3	58.7	83.7	126	198	320	493	707	922	1082	1143
-10	0.07	0.78	3.01	6.13	10.2	15.4	23.0	32.7	44.8	62.3	91.6	140	229	379	597	860	1114	1297	1366
-5	0.07	0.80	3.08	6.28	10.5	16.0	24.0	33.7	46.9	66.7	99.0	156	261	443	701	1009	1301	1509	1586
0	0.07	0.81	3.10	6.34	10.6	16.3	24.5	34.5	48.3	69.7	106	169	290	500	805	1162	1491	1724	1811
5	0.07	0.81	3.09	6.31	10.5	16.1	24.0	33.9	47.5	68.1	101	159	265	449	712	1025	1315	1520	1596
10	0.07	0.79	3.03	6.19	10.3	15.7	23.2	33.1	46.1	65.1	96.2	147	237	392	621	890	1141	1319	1386
15	0.07	0.76	2.93	5.98	9.98	15.1	22.3	32.1	43.9	62.7	90.1	135	211	339	528	752	963	1115	1172
20	0.07	0.72	2.78	5.69	9.49	14.3	20.9	29.6	40.7	56.6	80.2	116	174	270	410	574	731	843	884
25	0.07	0.66	2.60	5.34	8.88	13.3	19.2	27.0	37.0	50.3	69.4	97.0	138	202	290	394	494	567	595
30	0.07	0.59	2.39	4.93	8.19	12.2	17.4	24.3	32.8	43.9	58.6	78.0	104	137	175	222	263	298	307
35	0.07	0.52	2.16	4.47	7.42	11.0	15.5	21.4	28.7	37.9	49.6	64.7	83.8	107	135	167	198	222	231
40	0.07	0.46	1.91	3.98	6.59	9.71	13.5	18.3	24.2	31.4	40.3	51.3	64.8	80.8	99.0	119	138	152	157
45	0.07	0.39	1.65	3.47	5.74	8.42	11.6	15.4	20.0	25.4	31.6	38.7	46.8	55.6	64.2	71.5	77.7	82.3	82.3
50	0.07	0.31	1.36	2.93	4.85	7.12	9.76	12.8	16.5	20.7	25.5	30.9	36.9	43.2	49.5	55.2	59.8	62.9	64.0
55	0.07	0.23	1.08	2.35	3.95	5.81	7.94	10.4	13.1	16.3	19.8	23.6	27.6	31.8	35.9	39.6	42.5	44.5	45.1
60	0.07	0.18	0.84	1.85	3.11	4.57	6.19	7.97	9.87	11.9	14.1	16.3	18.6	20.7	22.7	24.4	25.7	26.6	26.6
65	0.07	0.13	0.60	1.37	2.32	3.44	4.69	6.05	7.52	9.07	10.7	12.4	14.0	15.5	17.0	18.2	19.2	19.8	20.0
70	0.07	0.09	0.38	0.91	1.58	2.37	3.26	4.23	5.25	6.32	7.43	8.53	9.60	10.6	11.6	12.4	13.0	13.3	13.5
75	0.07	0.05	0.17	0.47	0.83	1.28	1.80	2.37	2.95	3.55	4.14	4.69	5.22	5.70	6.12	6.47	6.69	6.82	6.87
80	0.07	0.01	0.02	0.03	0.04	0.08	0.03	0.12	0.07	0.09	0.14	0.15	0.14	0.08	0.11	0.15	0.15	0.05	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:30 December 2019

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:234.41V I:2.6294A P:605.97W PF:0.9831 Freq:50.01Hz Lamp Flux:92909.1x1 lm		
NAME: HL-SP06-600W-40°	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	0.07	
-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	0.07	
-80	0.05	0.15	0.16	0.12	0.09	0.16	0.18	0.17	0.12	0.11	0.19	0.08	0.21	0.14	0.18	0.29	0.27	0.07	
-75	7.12	6.98	6.82	6.56	6.25	5.90	5.47	5.07	4.60	4.14	3.69	3.27	2.85	2.49	2.21	1.70	0.92	0.07	
-70	12.8	12.4	11.9	11.1	10.3	9.42	8.56	7.70	6.84	6.00	5.17	4.39	3.66	3.00	2.40	1.80	1.20	0.07	
-65	18.5	17.8	16.8	15.6	14.2	12.9	11.6	10.3	9.01	7.77	6.57	5.41	4.32	3.31	2.43	1.62	1.00	0.07	
-60	24.3	23.4	22.1	20.4	18.5	16.6	14.8	13.0	11.3	9.61	8.02	6.50	5.08	3.77	2.56	1.47	0.80	0.07	
-55	36.9	35.4	33.1	30.3	27.3	24.4	21.6	18.6	15.5	12.6	10.1	7.98	6.05	4.33	2.77	1.44	0.68	0.07	
-50	49.8	47.6	44.4	40.5	36.4	32.5	28.5	24.4	19.9	15.7	12.2	9.49	7.10	5.01	3.17	1.57	0.63	0.07	
-45	64.0	60.8	56.7	52.0	46.5	40.9	35.6	30.2	24.4	18.9	14.6	11.1	8.22	5.73	3.57	1.76	0.61	0.07	
-40	128	116	100	83.3	68.3	55.9	45.7	37.2	29.8	23.1	17.5	12.9	9.41	6.48	3.98	1.95	0.61	0.07	
-35	193	173	145	116	91.2	71.6	56.2	44.4	35.3	27.5	20.7	14.9	10.7	7.23	4.44	2.15	0.62	0.07	
-30	263	232	196	152	118	88.7	66.9	51.7	40.6	31.7	23.9	16.8	11.8	7.95	4.87	2.34	0.65	0.07	
-25	533	461	362	263	182	124	86.1	62.3	46.6	35.6	26.5	18.6	12.9	8.66	5.26	2.56	0.68	0.07	
-20	809	693	535	378	250	160	106	73.3	52.6	39.1	29.0	20.5	13.9	9.29	5.59	2.75	0.72	0.07	
-15	1082	922	707	493	320	198	126	83.7	58.7	42.3	31.5	22.0	14.8	9.81	5.90	2.90	0.75	0.07	
-10	1297	1114	860	597	379	229	140	91.6	62.3	44.8	32.7	23.0	15.4	10.2	6.13	3.01	0.78	0.07	
-5	1509	1301	1009	701	443	261	156	99.0	66.7	46.9	33.7	24.0	16.0	10.5	6.28	3.08	0.80	0.07	
0	1724	1491	1162	805	500	290	169	106	69.7	48.3	34.5	24.5	16.3	10.6	6.34	3.10	0.81	0.07	
5	1520	1315	1025	712	449	265	159	101	68.1	47.5	33.9	24.0	16.1	10.5	6.31	3.09	0.81	0.07	
10	1319	1141	890	621	392	237	147	96.2	65.1	46.1	33.1	23.2	15.7	10.3	6.19	3.03	0.79	0.07	
15	1115	963	752	528	339	211	135	90.1	62.7	43.9	32.1	22.3	15.1	9.98	5.98	2.93	0.76	0.07	
20	843	731	574	410	270	174	116	80.2	56.6	40.7	29.6	20.9	14.3	9.49	5.69	2.78	0.72	0.07	
25	567	494	394	290	202	138	97.0	69.4	50.3	37.0	27.0	19.2	13.3	8.88	5.34	2.60	0.66	0.07	
30	298	263	222	175	137	104	78.0	58.6	43.9	32.8	24.3	17.4	12.2	8.19	4.93	2.39	0.59	0.07	
35	222	198	167	135	107	83.8	64.7	49.6	37.9	28.7	21.4	15.5	11.0	7.42	4.47	2.16	0.52	0.07	
40	152	138	119	99.0	80.8	64.8	51.3	40.3	31.4	24.2	18.3	13.5	9.71	6.59	3.98	1.91	0.46	0.07	
45	82.3	77.7	71.5	64.2	55.6	46.8	38.7	31.6	25.4	20.0	15.4	11.6	8.42	5.74	3.47	1.65	0.39	0.07	
50	62.9	59.8	55.2	49.5	43.2	36.9	30.9	25.5	20.7	16.5	12.8	9.76	7.12	4.85	2.93	1.36	0.31	0.07	
55	44.5	42.5	39.6	35.9	31.8	27.6	23.6	19.8	16.3	13.1	10.4	7.94	5.81	3.95	2.35	1.08	0.23	0.07	
60	26.6	25.7	24.4	22.7	20.7	18.6	16.3	14.1	11.9	9.87	7.97	6.19	4.57	3.11	1.85	0.84	0.18	0.07	
65	19.8	19.2	18.2	17.0	15.5	14.0	12.4	10.7	9.07	7.52	6.05	4.69	3.44	2.32	1.37	0.60	0.13	0.07	
70	13.3	13.0	12.4	11.6	10.6	9.60	8.53	7.43	6.32	5.25	4.23	3.26	2.37	1.58	0.91	0.38	0.09	0.07	
75	6.82	6.69	6.47	6.12	5.70	5.22	4.69	4.14	3.55	2.95	2.37	1.80	1.28	0.83	0.47	0.17	0.05	0.07	
80	0.05	0.15	0.15	0.11	0.08	0.14	0.15	0.14	0.09	0.07	0.12	0.03	0.08	0.04	0.03	0.02	0.01	0.07	
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	0.07	
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	0.07	

C Range: 0 - 90DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:C

Test Date:30 December 2019

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: