

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

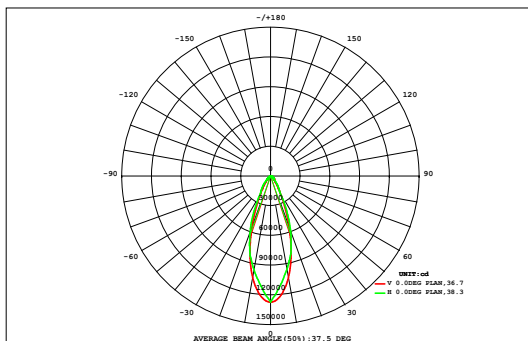
Maximum Intensity		1980.8 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	74.2V x 68.0H
	At 50% of Imax	38.3V x 36.7H
	At 90% of Imax	8.0V x 14.4H
Beam Flux	Total	997.8 lumens per klm.
	To 10% of Imax	817.2 lumens per klm.
	To 50% of Imax	423.7 lumens per klm.
	To 90% of Imax	43.8 lumens per klm.
Upward LOR		0.0 %
Downward LOR		99.8 %
Luminaire Efficiency(Light Output Ratio)		99.8 %

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:233.73V I:1.7626A P:401.62W PF:0.9749 Freq:49.97Hz Lamp Flux:64283.9x1 lm		
NAME: HL-SP06-400W-40°	TYPE:0	
MFR.: EVERFINE		



DATA OF LAMP		Eff:159.69lm/W	
MODEL	HL-SP06-400W-40°	Imax (cd)	127335
NOMINAL POWER (W)	400	AVAILABILITY (%)	81.7
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	52515
NOMINAL FLUX (lm)	64283.9	LOR (%)	99.8
LAMPS INSIDE	1	TOTAL FLUX (lm)	64134
TEST VOLTAGE (V)	230	θ @50% (H,V)	37,38DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	1.14	2.58	4.66	7.34	10.5	13.8	16.9	19.4	20.8	20.8	19.4	16.9	13.8	10.5	7.34	4.66	2.58	1.14	194	0.00
72	1.14	2.58	4.66	7.34	10.5	13.8	16.9	19.4	20.8	20.8	19.4	16.9	13.8	10.5	7.34	4.66	2.58	1.14	194	0.00
64	1.88	4.18	7.57	12.1	17.5	23.5	29.6	34.6	37.5	37.5	34.6	29.6	23.5	17.5	12.1	7.57	4.18	1.88	337	0.00
56	2.71	6.11	11.4	18.9	28.9	41.1	54.2	65.8	72.8	72.8	65.8	54.2	41.1	28.9	18.9	11.4	6.11	2.71	604	0.00
48	3.57	8.15	15.6	26.9	42.8	64.2	89.8	116	133	133	116	89.8	64.2	42.8	26.9	15.6	8.15	3.57	999	0.00
40	4.41	10.4	20.7	37.1	63.4	103	159	224	274	274	224	159	103	63.4	37.1	20.7	10.4	4.41	1793	578
32	5.19	12.5	25.6	47.7	87.4	159	279	433	550	550	433	279	159	87.4	47.7	25.6	12.5	5.19	3198	2408
24	5.85	14.5	30.0	59.0	118	249	515	872	1135	1135	872	515	249	118	59.0	30.0	14.5	5.85	5997	5401
	6.33	15.9	33.5	67.8	145	333	738	1283	1680	1680	1283	738	333	145	67.8	33.5	15.9	6.33	8606	8070
	6.61	16.8	35.2	73.0	164	407	931	1633	2140	2140	1633	931	407	164	73.0	35.2	16.8	6.61	10811	10306
	6.59	16.8	35.1	72.0	161	403	921	1621	2133	2133	1621	921	403	161	72.0	35.1	16.8	6.59	10740	10240
	6.28	15.9	33.1	64.9	138	322	709	1248	1659	1659	1248	709	322	138	64.9	33.1	15.9	6.28	8394	7852
-24	5.77	14.4	29.8	55.7	110	234	484	834	1107	1107	834	484	234	110	55.7	29.8	14.4	5.77	5746	5151
-32	5.11	12.3	25.7	45.1	78.7	143	255	404	519	519	404	255	143	78.7	45.1	25.7	12.3	5.11	2976	2168
-40	4.35	10.1	20.6	35.8	57.7	91.4	141	202	247	247	202	141	91.4	57.7	35.8	20.6	10.1	4.35	1618	340
-48	3.54	7.94	15.3	26.9	41.3	57.7	77.2	97.8	112	112	97.8	77.2	57.7	41.3	26.9	15.3	7.94	3.54	879	0.00
-56	2.77	6.03	11.1	18.9	28.0	37.4	47.1	56.0	61.3	61.3	56.0	47.1	37.4	28.0	18.9	11.1	6.03	2.77	537	0.00
-64	2.04	4.29	7.47	11.6	16.5	21.8	27.3	32.3	35.2	35.2	32.3	27.3	21.8	16.5	11.6	7.47	4.29	2.04	317	0.00
-72	1.46	2.93	4.93	7.39	10.2	13.2	16.3	18.9	20.4	20.4	18.9	16.3	13.2	10.2	7.39	4.93	2.93	1.46	192	0.00
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)	16	24	32	40	48	56	64	72			
Φ t	75.6	182	367	688	1319	2717	5489	9197	11936	11936	9197	5489	2717	1319	688	367	182	75.6	63940	---
Φ a	0.00	0.00	0.00	0.00	91.1	1792	4674	8440	11260	11260	8440	4674	1792	91.1	0.00	0.00	0.00	0.00	---	52515

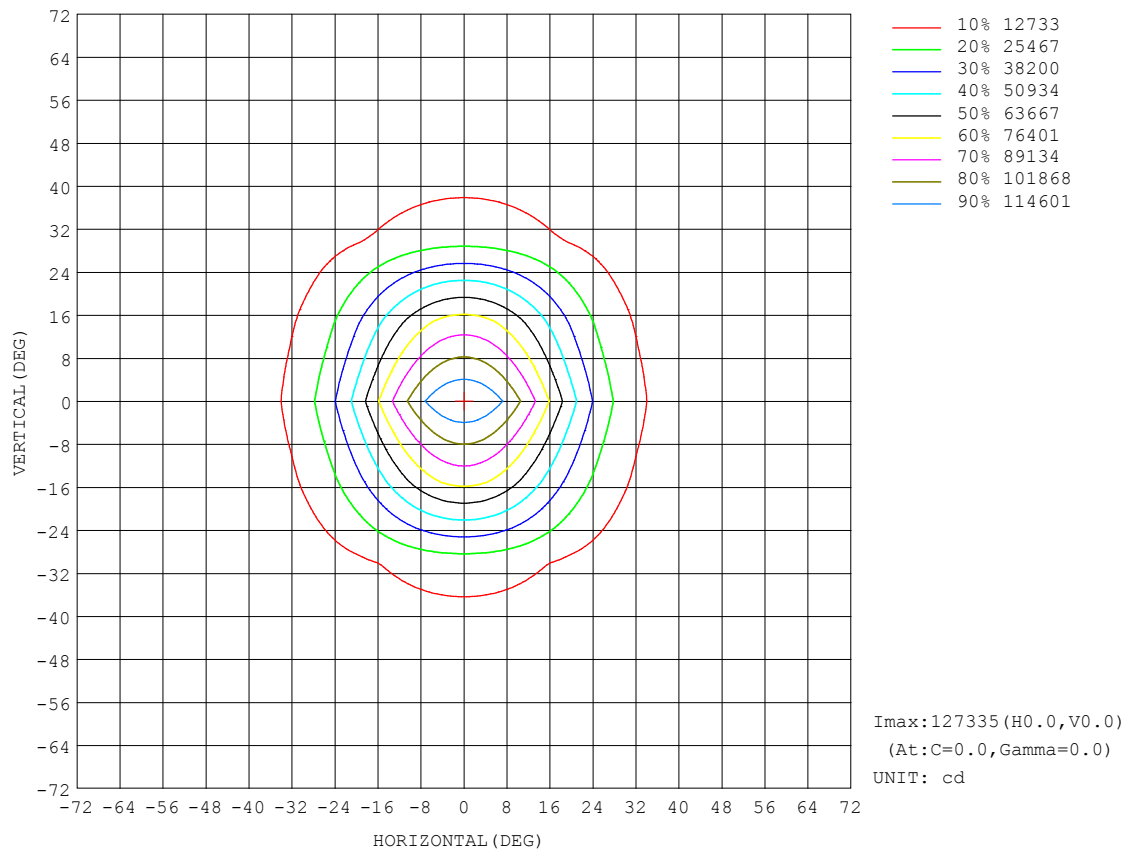
one-half-peak spread: U:19.1,D:19.5 , L:18.5,R:18.5 NEMA Beam Type: Type 4 x 5 (H x V)

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

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NAME: HL-SP06-400W-40°	TYPE:0	
MFR.: EVERFINE		

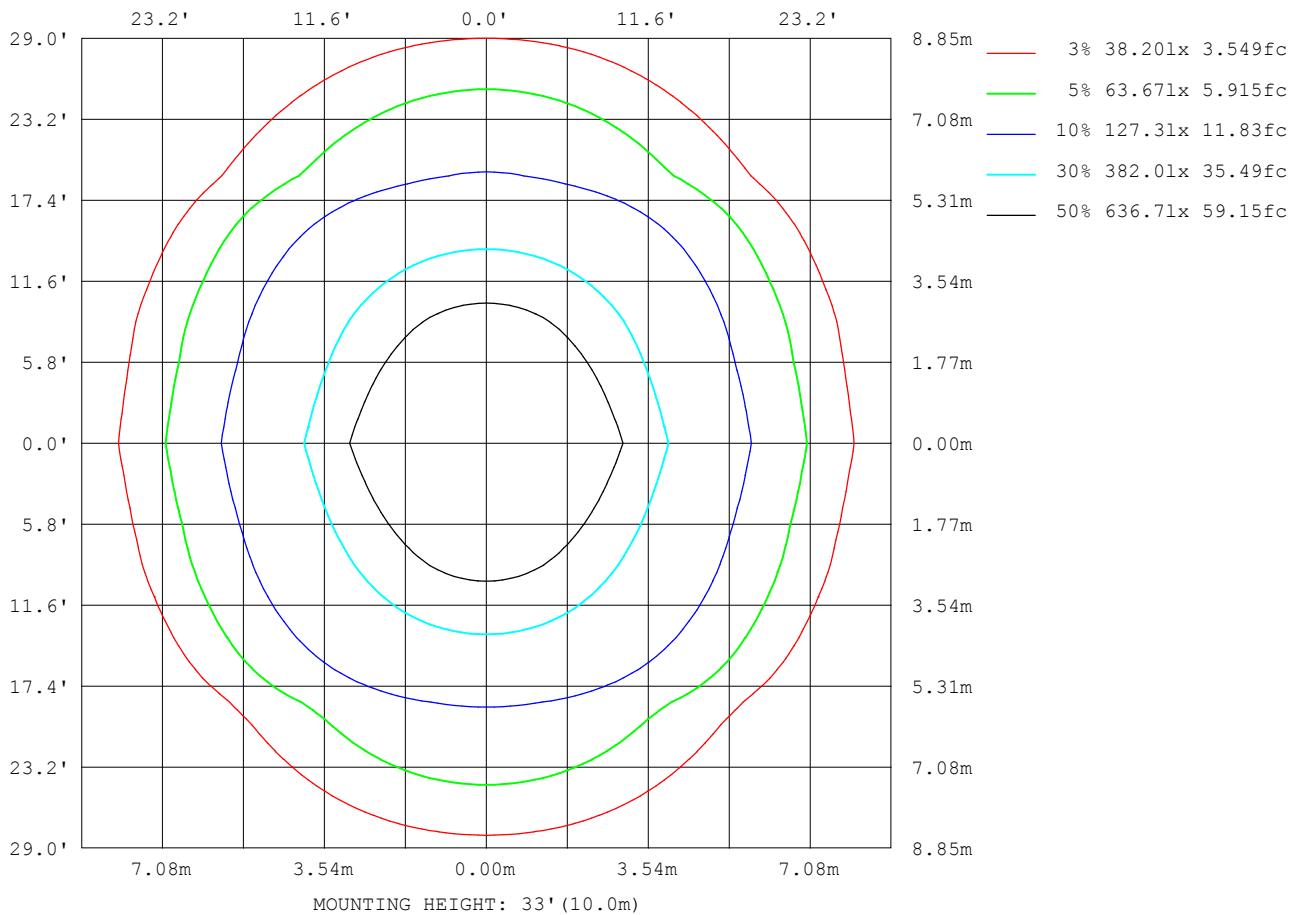


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ISOLUX DIAGRAM

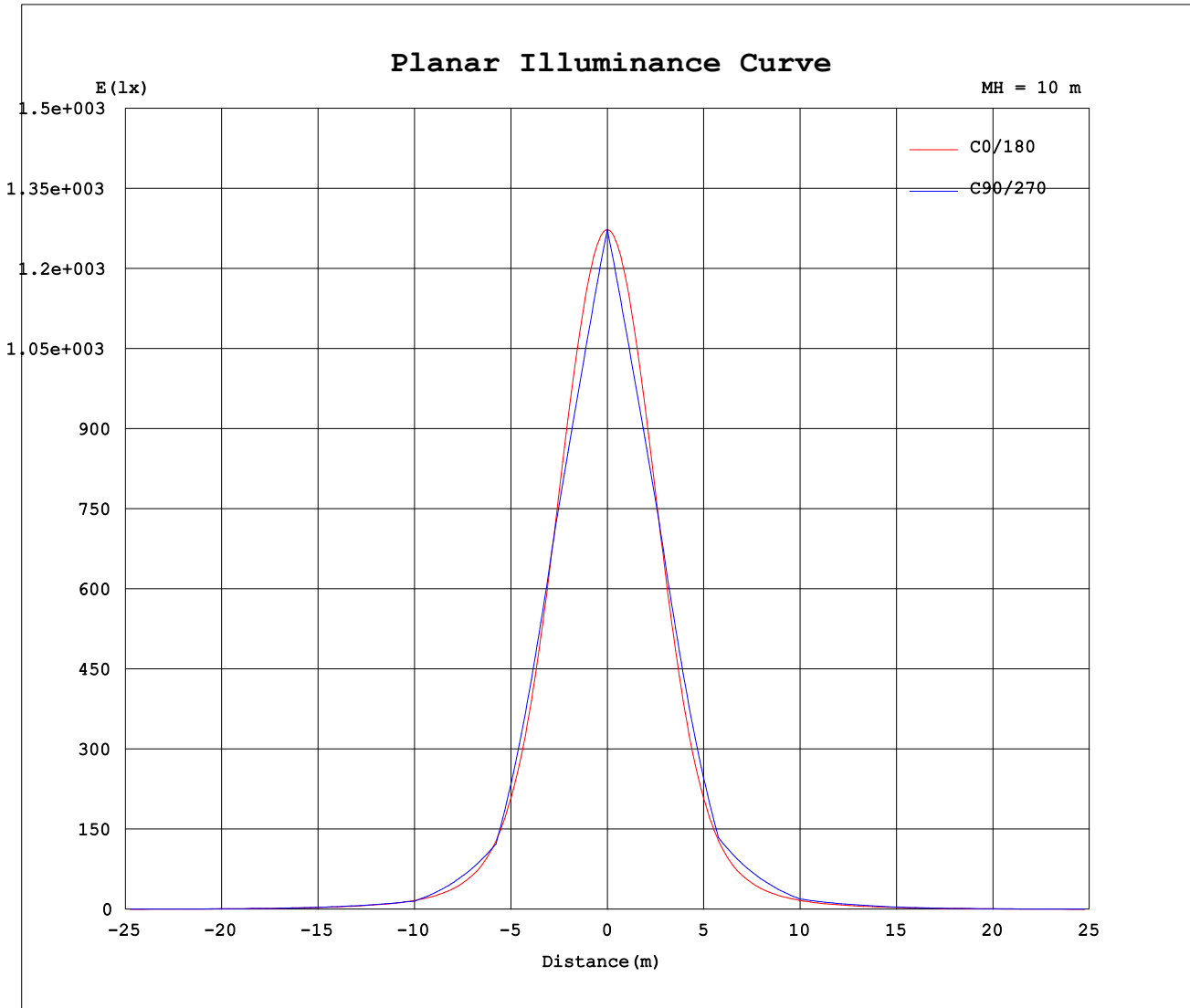
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Planar Illuminance Curve

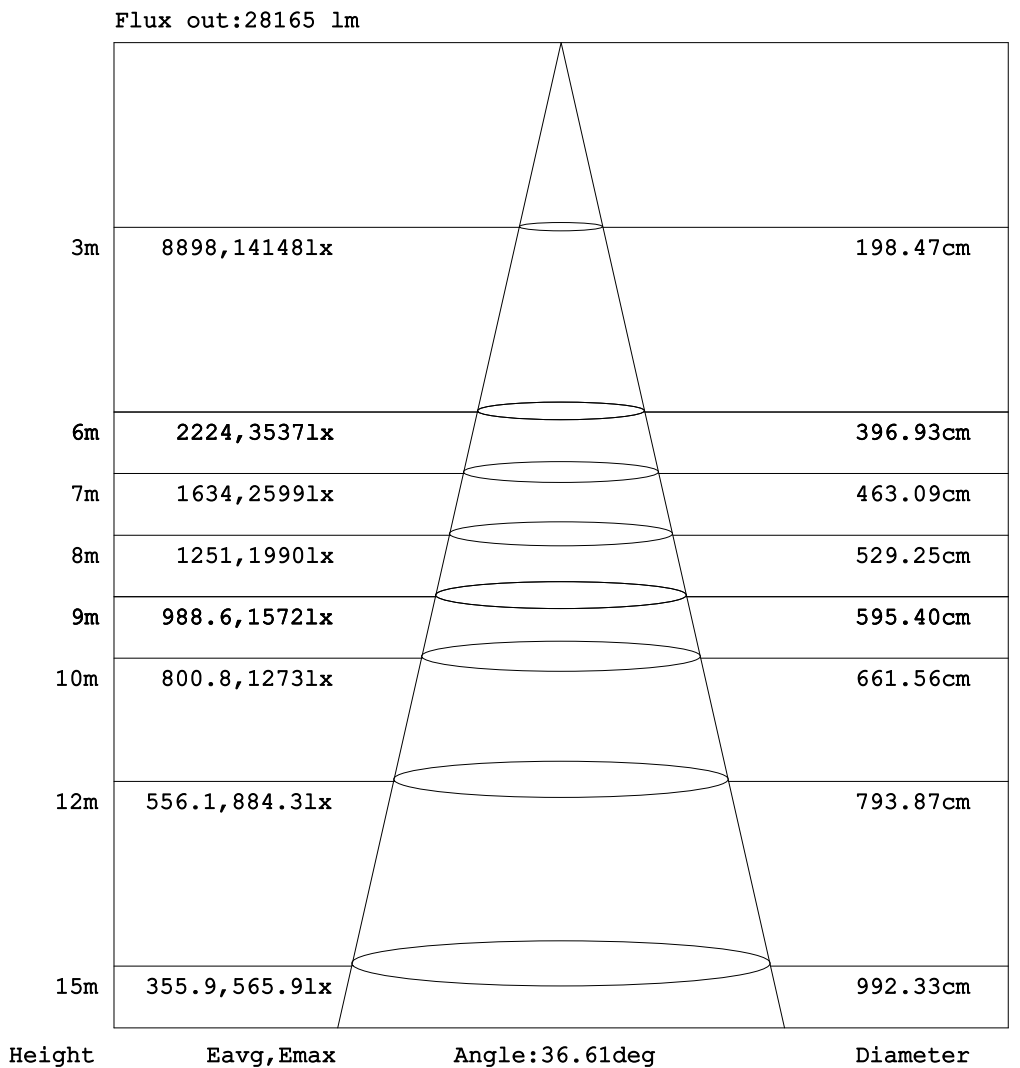


C Range: 0 - 90DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: C
 Test Date: 30 December 2019

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:

AAI Figure

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NAME: HL-SP06-400W-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:233.73V I:1.7626A P:401.62W PF:0.9749 Freq:49.97Hz Lamp Flux:64283.9x1 lm		
NAME: HL-SP06-400W-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	0.05	0.00	0.00	0.00	0.00	0.00	0.00	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	0.05	0.00	0.00	0.00	0.00	0.00	0.00	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	0.05	0.10	0.11	0.07	0.06	0.10	0.04	0.11	0.06	0.07	0.11	0.11	0.11	0.06	0.08	0.10	0.10	0.03	0.00
-75	0.05	0.34	0.63	0.92	1.15	1.44	1.77	2.12	2.47	2.82	3.17	3.48	3.80	4.07	4.30	4.50	4.62	4.71	4.74
-70	0.05	0.44	0.72	1.13	1.59	2.10	2.65	3.24	3.85	4.47	5.10	5.73	6.36	6.98	7.60	8.16	8.59	8.85	8.94
-65	0.05	0.38	0.72	1.30	1.95	2.68	3.47	4.31	5.18	6.07	6.99	7.93	8.88	9.86	10.9	11.8	12.5	13.0	13.1
-60	0.05	0.32	0.75	1.51	2.37	3.32	4.34	5.43	6.56	7.76	9.01	10.3	11.6	13.0	14.3	15.6	16.6	17.2	17.3
-55	0.05	0.30	0.82	1.76	2.86	4.07	5.44	6.97	8.73	10.9	13.1	15.2	17.2	19.3	21.4	23.4	25.0	26.1	26.5
-50	0.05	0.30	0.96	2.10	3.40	4.87	6.57	8.54	11.0	14.1	17.4	20.3	23.0	25.8	28.6	31.3	33.6	35.1	35.6
-45	0.05	0.32	1.14	2.43	3.95	5.70	7.77	10.3	13.3	17.4	21.6	25.5	29.2	33.0	36.7	40.0	42.8	45.0	44.8
-40	0.05	0.34	1.30	2.75	4.50	6.56	9.08	12.4	16.4	21.2	26.4	32.3	39.4	48.0	58.4	70.2	81.5	89.7	92.8
-35	0.05	0.37	1.46	3.08	5.04	7.46	10.5	14.7	19.6	25.0	31.3	39.4	50.2	63.8	81.2	101	121	135	140
-30	0.05	0.40	1.62	3.38	5.56	8.28	11.8	17.0	22.6	28.7	36.2	46.7	61.9	82.4	106	137	162	184	189
-25	0.05	0.44	1.78	3.66	6.05	9.05	13.2	18.8	25.2	32.6	43.4	59.8	85.9	126	183	251	321	372	392
-20	0.05	0.48	1.91	3.90	6.49	9.76	14.5	20.6	27.5	36.6	50.8	73.3	111	173	261	371	482	565	595
-15	0.05	0.51	2.01	4.11	6.85	10.4	15.5	22.2	29.6	40.6	57.8	86.7	136	220	340	489	641	755	798
-10	0.05	0.53	2.09	4.27	7.12	10.8	16.3	23.1	31.2	43.0	63.2	96.7	157	261	411	596	776	908	957
-5	0.05	0.55	2.13	4.37	7.30	11.2	16.9	23.7	32.4	45.9	68.1	107	179	303	483	700	908	1058	1113
0	0.05	0.56	2.15	4.41	7.37	11.4	17.3	24.1	33.3	47.8	72.5	116	198	343	554	807	1042	1210	1273
5	0.05	0.56	2.14	4.38	7.32	11.3	16.9	23.6	32.7	46.6	69.4	109	181	307	490	709	915	1063	1117
10	0.05	0.55	2.09	4.29	7.16	10.9	16.2	23.0	31.7	44.5	65.8	100	162	268	425	613	790	917	964
15	0.05	0.53	2.02	4.14	6.91	10.5	15.5	22.2	30.2	42.8	61.4	92.4	143	230	360	514	662	769	809
20	0.05	0.49	1.92	3.93	6.56	9.90	14.5	20.5	27.9	38.6	54.6	79.0	118	183	278	392	501	580	609
25	0.05	0.46	1.80	3.69	6.14	9.21	13.3	18.7	25.3	34.2	47.1	65.9	93.9	137	197	268	337	388	407
30	0.05	0.41	1.65	3.41	5.65	8.43	12.1	16.8	22.5	29.8	39.7	52.8	70.3	92.8	118	150	177	200	207
35	0.05	0.36	1.49	3.09	5.11	7.58	10.7	14.7	19.6	25.8	33.6	43.8	56.7	72.5	91.3	113	134	149	156
40	0.05	0.31	1.31	2.74	4.53	6.68	9.33	12.6	16.6	21.4	27.3	34.7	43.8	54.6	66.8	80.1	92.9	102	106
45	0.05	0.27	1.13	2.39	3.94	5.78	7.98	10.6	13.7	17.3	21.4	26.1	31.5	37.5	43.3	48.2	52.3	55.4	55.4
50	0.05	0.21	0.93	2.01	3.33	4.88	6.69	8.80	11.3	14.1	17.3	20.9	24.9	29.1	33.3	37.2	40.3	42.3	43.1
55	0.05	0.16	0.74	1.61	2.71	3.98	5.44	7.09	8.97	11.1	13.4	15.9	18.7	21.4	24.2	26.6	28.6	29.9	30.4
60	0.05	0.12	0.57	1.27	2.13	3.13	4.23	5.44	6.73	8.11	9.56	11.1	12.5	14.0	15.3	16.4	17.3	17.8	17.9
65	0.05	0.09	0.41	0.93	1.58	2.35	3.20	4.13	5.12	6.16	7.25	8.36	9.43	10.5	11.4	12.3	12.9	13.3	13.4
70	0.05	0.06	0.25	0.62	1.07	1.61	2.22	2.88	3.58	4.30	5.03	5.77	6.48	7.17	7.79	8.31	8.72	8.97	9.05
75	0.05	0.03	0.11	0.31	0.56	0.87	1.22	1.61	2.01	2.41	2.80	3.17	3.53	3.86	4.14	4.36	4.51	4.60	4.63
80	0.05	0.01	0.02	0.02	0.02	0.06	0.02	0.08	0.05	0.06	0.09	0.10	0.10	0.06	0.08	0.10	0.10	0.03	0.00
85	0.05	0.00	0.00	0.00	0.00	0.00	0.00	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	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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C Interval: 5.0DEG

Test Speed: HIGH

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Operators:C

Test Date:30 December 2019

γ Range:-75 - 75DEG

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Humidity:65.0%

Test Distance:8.000m [K=1.0000]

Remarks:

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NAME: HL-SP06-400W-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	0.05	
-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	0.05	
-80	0.03	0.10	0.10	0.08	0.06	0.11	0.11	0.11	0.07	0.06	0.11	0.04	0.10	0.06	0.07	0.11	0.10	0.05	
-75	4.71	4.62	4.50	4.30	4.07	3.80	3.48	3.17	2.82	2.47	2.12	1.77	1.44	1.15	0.92	0.63	0.34	0.05	
-70	8.85	8.59	8.16	7.60	6.98	6.36	5.73	5.10	4.47	3.85	3.24	2.65	2.10	1.59	1.13	0.72	0.44	0.05	
-65	13.0	12.5	11.8	10.9	9.86	8.88	7.93	6.99	6.07	5.18	4.31	3.47	2.68	1.95	1.30	0.72	0.38	0.05	
-60	17.2	16.6	15.6	14.3	13.0	11.6	10.3	9.01	7.76	6.56	5.43	4.34	3.32	2.37	1.51	0.75	0.32	0.05	
-55	26.1	25.0	23.4	21.4	19.3	17.2	15.2	13.1	10.9	8.73	6.97	5.44	4.07	2.86	1.76	0.82	0.30	0.05	
-50	35.1	33.6	31.3	28.6	25.8	23.0	20.3	17.4	14.1	11.0	8.54	6.57	4.87	3.40	2.10	0.96	0.30	0.05	
-45	45.0	42.8	40.0	36.7	33.0	29.2	25.5	21.6	17.4	13.3	10.3	7.77	5.70	3.95	2.43	1.14	0.32	0.05	
-40	89.7	81.5	70.2	58.4	48.0	39.4	32.3	26.4	21.2	16.4	12.4	9.08	6.56	4.50	2.75	1.30	0.34	0.05	
-35	135	121	101	81.2	63.8	50.2	39.4	31.3	25.0	19.6	14.7	10.5	7.46	5.04	3.08	1.46	0.37	0.05	
-30	184	162	137	106	82.4	61.9	46.7	36.2	28.7	22.6	17.0	11.8	8.28	5.56	3.38	1.62	0.40	0.05	
-25	372	321	251	183	126	85.9	59.8	43.4	32.6	25.2	18.8	13.2	9.05	6.05	3.66	1.78	0.44	0.05	
-20	565	482	371	261	173	111	73.3	50.8	36.6	27.5	20.6	14.5	9.76	6.49	3.90	1.91	0.48	0.05	
-15	755	641	489	340	220	136	86.7	57.8	40.6	29.6	22.2	15.5	10.4	6.85	4.11	2.01	0.51	0.05	
-10	908	776	596	411	261	157	96.7	63.2	43.0	31.2	23.1	16.3	10.8	7.12	4.27	2.09	0.53	0.05	
-5	1058	908	700	483	303	179	107	68.1	45.9	32.4	23.7	16.9	11.2	7.30	4.37	2.13	0.55	0.05	
0	1210	1042	807	554	343	198	116	72.5	47.8	33.3	24.1	17.3	11.4	7.37	4.41	2.15	0.56	0.05	
5	1063	915	709	490	307	181	109	69.4	46.6	32.7	23.6	16.9	11.3	7.32	4.38	2.14	0.56	0.05	
10	917	790	613	425	268	162	100	65.8	44.5	31.7	23.0	16.2	10.9	7.16	4.29	2.09	0.55	0.05	
15	769	662	514	360	230	143	92.4	61.4	42.8	30.2	22.2	15.5	10.5	6.91	4.14	2.02	0.53	0.05	
20	580	501	392	278	183	118	79.0	54.6	38.6	27.9	20.5	14.5	9.90	6.56	3.93	1.92	0.49	0.05	
25	388	337	268	197	137	93.9	65.9	47.1	34.2	25.3	18.7	13.3	9.21	6.14	3.69	1.80	0.46	0.05	
30	200	177	150	118	92.8	70.3	52.8	39.7	29.8	22.5	16.8	12.1	8.43	5.65	3.41	1.65	0.41	0.05	
35	149	134	113	91.3	72.5	56.7	43.8	33.6	25.8	19.6	14.7	10.7	7.58	5.11	3.09	1.49	0.36	0.05	
40	102	92.9	80.1	66.8	54.6	43.8	34.7	27.3	21.4	16.6	12.6	9.33	6.68	4.53	2.74	1.31	0.31	0.05	
45	55.4	52.3	48.2	43.3	37.5	31.5	26.1	21.4	17.3	13.7	10.6	7.98	5.78	3.94	2.39	1.13	0.27	0.05	
50	42.3	40.3	37.2	33.3	29.1	24.9	20.9	17.3	14.1	11.3	8.80	6.69	4.88	3.33	2.01	0.93	0.21	0.05	
55	29.9	28.6	26.6	24.2	21.4	18.7	15.9	13.4	11.1	8.97	7.09	5.44	3.98	2.71	1.61	0.74	0.16	0.05	
60	17.8	17.3	16.4	15.3	14.0	12.5	11.1	9.56	8.11	6.73	5.44	4.23	3.13	2.13	1.27	0.57	0.12	0.05	
65	13.3	12.9	12.3	11.4	10.5	9.43	8.36	7.25	6.16	5.12	4.13	3.20	2.35	1.58	0.93	0.41	0.09	0.05	
70	8.97	8.72	8.31	7.79	7.17	6.48	5.77	5.03	4.30	3.58	2.88	2.22	1.61	1.07	0.62	0.25	0.06	0.05	
75	4.60	4.51	4.36	4.14	3.86	3.53	3.17	2.80	2.41	2.01	1.61	1.22	0.87	0.56	0.31	0.11	0.03	0.05	
80	0.03	0.10	0.10	0.08	0.06	0.10	0.10	0.09	0.06	0.05	0.08	0.02	0.06	0.02	0.02	0.02	0.01	0.05	
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	0.05	
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	0.05	

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: