

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

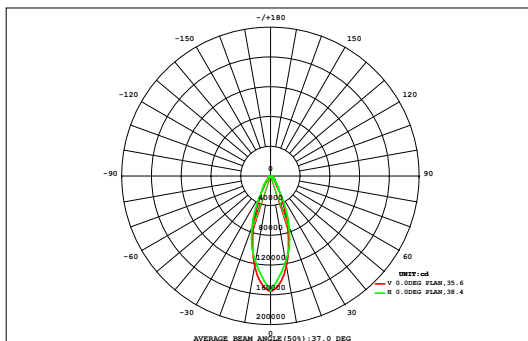
Maximum Intensity		1955.3 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	73.1V x 67.3H
	At 50% of Imax	38.3V x 35.6H
	At 90% of Imax	8.1V x 13.1H
Beam Flux	Total	990.7 lumens per klm.
	To 10% of Imax	816.4 lumens per klm.
	To 50% of Imax	430.3 lumens per klm.
	To 90% of Imax	45.1 lumens per klm.
Upward LOR		0.0 %
Downward LOR		99.1 %
Luminaire Efficiency(Light Output Ratio)		99.1 %

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:234.43V I:2.1890A P:493.11W PF:0.9609 Freq:50.03Hz Lamp Flux:79178.6x1 lm		
NAME: HL-SP06-500W-40°	TYPE:0	
MFR.: EVERFINE		



DATA OF LAMP		Eff:159.07lm/W	
MODEL	HL-SP06-500W-40°	Imax (cd)	154819
NOMINAL POWER (W)	500	AVAILABILITY (%)	81.7
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	64663
NOMINAL FLUX (lm)	79178.6	LOR (%)	99.1
LAMPS INSIDE	1	TOTAL FLUX (lm)	78436
TEST VOLTAGE (V)	230	θ @50% (H,V)	36,38DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	1.46	3.24	5.73	8.81	12.3	15.9	19.5	22.4	23.9	23.9	22.4	19.5	15.9	12.3	8.81	5.73	3.24	1.46	226	0.00
64	2.36	5.13	9.16	14.3	20.3	26.7	33.3	38.9	42.0	42.0	38.9	33.3	26.7	20.3	14.3	9.16	5.13	2.36	385	0.00
56	3.35	7.45	13.8	22.8	33.4	44.9	56.9	67.6	74.0	74.0	67.6	56.9	44.9	33.4	22.8	13.8	7.45	3.35	648	0.00
48	4.41	10.0	19.0	32.5	49.2	69.3	93.4	119	136	136	119	93.4	69.3	49.2	32.5	19.0	10.0	4.41	1066	0.00
40	5.47	12.7	25.0	43.8	71.9	114	177	254	307	307	254	177	114	71.9	43.8	25.0	12.7	5.47	2023	511
32	6.51	15.3	30.8	55.8	99.8	183	327	514	647	647	514	327	183	99.8	55.8	30.8	15.3	6.51	3758	2808
24	7.32	17.5	35.9	69.8	138	293	608	1037	1363	1363	1037	608	293	138	69.8	35.9	17.5	7.32	7139	6415
	7.69	19.0	41.1	82.5	175	410	896	1550	2039	2039	1550	896	410	175	82.5	41.1	19.0	7.69	10439	9789
	7.69	19.3	43.6	93.6	208	528	1178	2018	2615	2615	2018	1178	528	208	93.6	43.6	19.3	7.69	13421	12809
	7.69	19.3	43.6	93.6	208	528	1178	2018	2615	2615	2018	1178	528	208	93.6	43.6	19.3	7.69	13421	12809
	7.69	19.0	41.1	82.5	175	410	896	1550	2039	2039	1550	896	410	175	82.5	41.1	19.0	7.69	10439	9789
-24	7.32	17.5	35.9	69.8	138	293	608	1037	1363	1363	1037	608	293	138	69.8	35.9	17.5	7.32	7139	6415
-32	6.51	15.3	30.8	55.8	99.8	183	327	514	647	647	514	327	183	99.8	55.8	30.8	15.3	6.51	3758	2808
-40	5.47	12.7	25.0	43.8	71.9	114	177	254	307	307	254	177	114	71.9	43.8	25.0	12.7	5.47	2023	511
-48	4.41	10.0	19.0	32.5	49.2	69.3	93.4	119	136	136	119	93.4	69.3	49.2	32.5	19.0	10.0	4.41	1066	0.00
-56	3.35	7.45	13.8	22.8	33.4	44.9	56.9	67.6	74.0	74.0	67.6	56.9	44.9	33.4	22.8	13.8	7.45	3.35	648	0.00
-64	2.36	5.13	9.16	14.3	20.3	26.7	33.3	38.9	42.0	42.0	38.9	33.3	26.7	20.3	14.3	9.16	5.13	2.36	385	0.00
-72	1.46	3.24	5.73	8.81	12.3	15.9	19.5	22.4	23.9	23.9	22.4	19.5	15.9	12.3	8.81	5.73	3.24	1.46	226	0.00
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)	16	24	32	40	48	56	64	72			
Φ t	92.5	219	448	848	1616	3369	6778	11240	14495	14495	11240	6778	3369	1616	848	448	219	92.5	78213	---
Φ a	0.00	0.00	0.00	0.00	141	2311	5830	10340	13709	13709	10340	5830	2311	141	0.00	0.00	0.00	0.00	---	64663

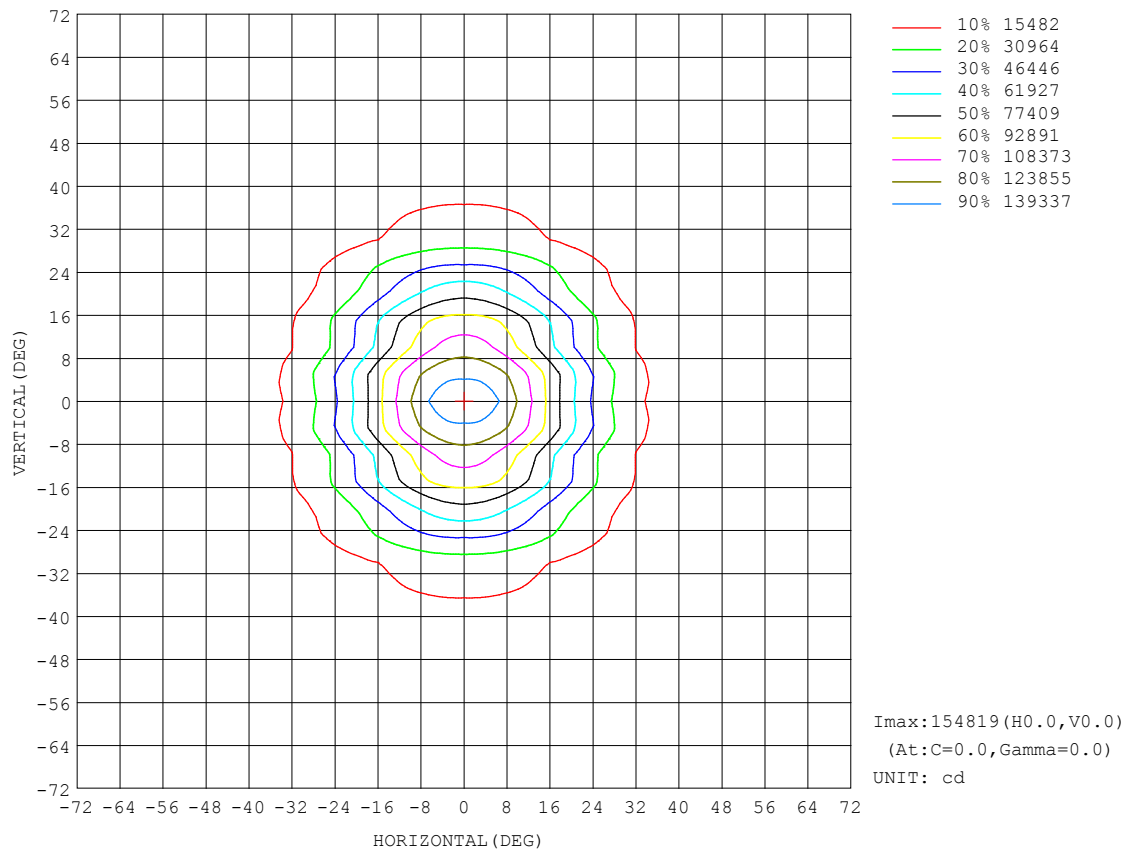
one-half-peak spread: U:19.3,D:19.3 , L:17.9,R:17.9 NEMA Beam Type: Type 4 x 5 (H x V)

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

Test:U:234.43V I:2.1890A P:493.11W PF:0.9609 Freq:50.03Hz Lamp Flux:79178.6x1 lm		
NAME: HL-SP06-500W-40°	TYPE:0	
MFR.: EVERFINE		

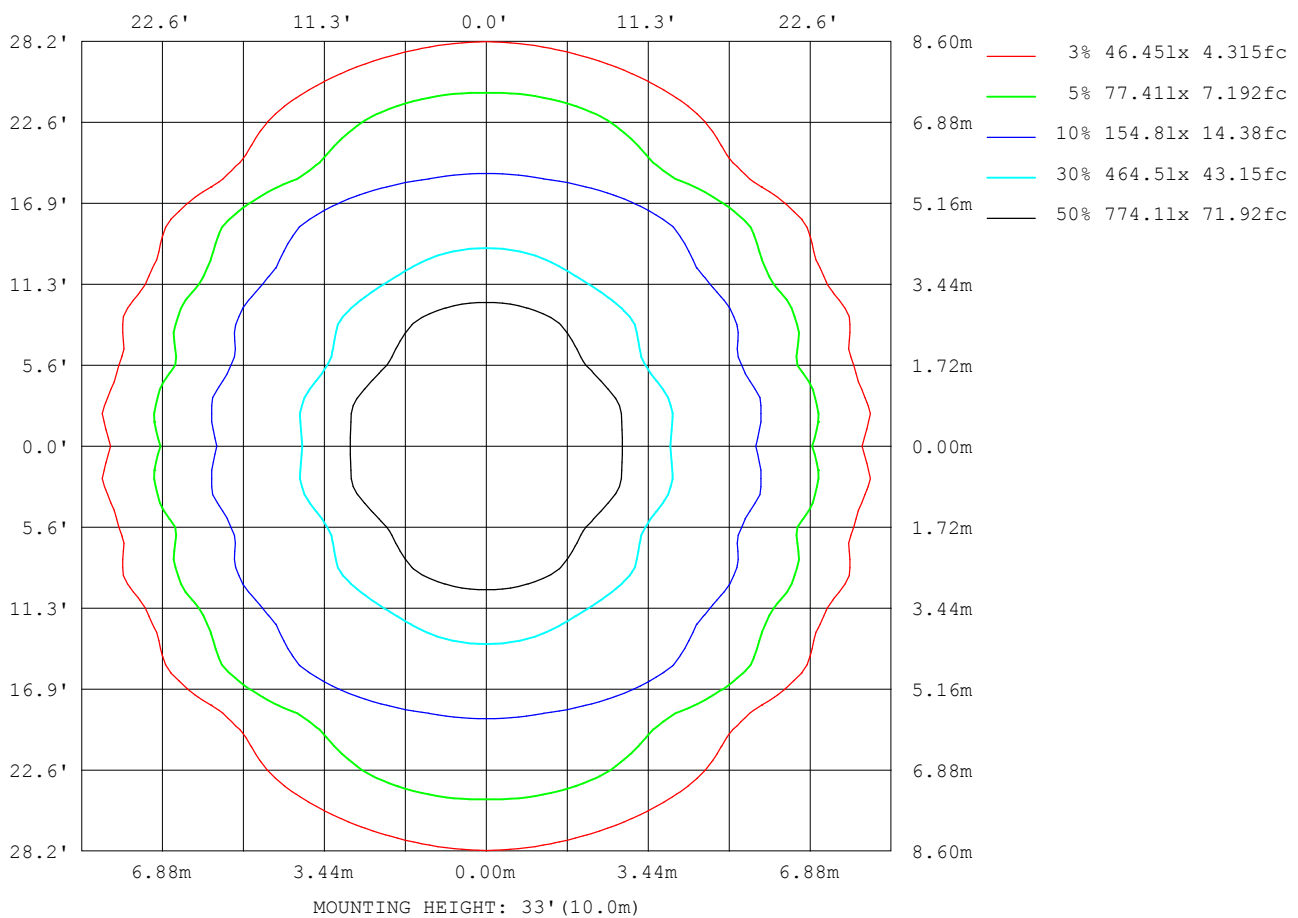


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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
 Humidity:65.0%
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 Remarks:

ISOLUX DIAGRAM

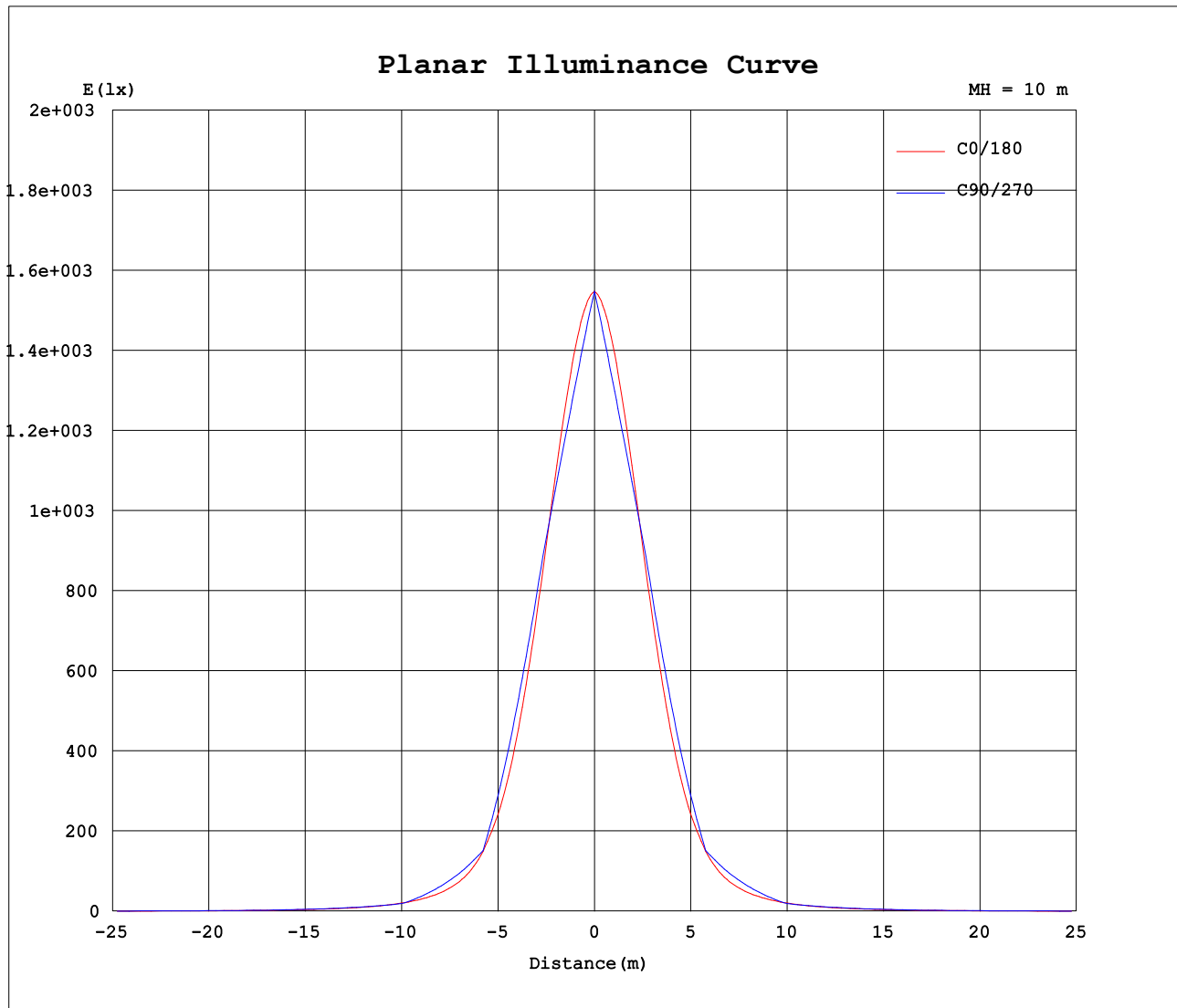
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 Test Distance:8.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



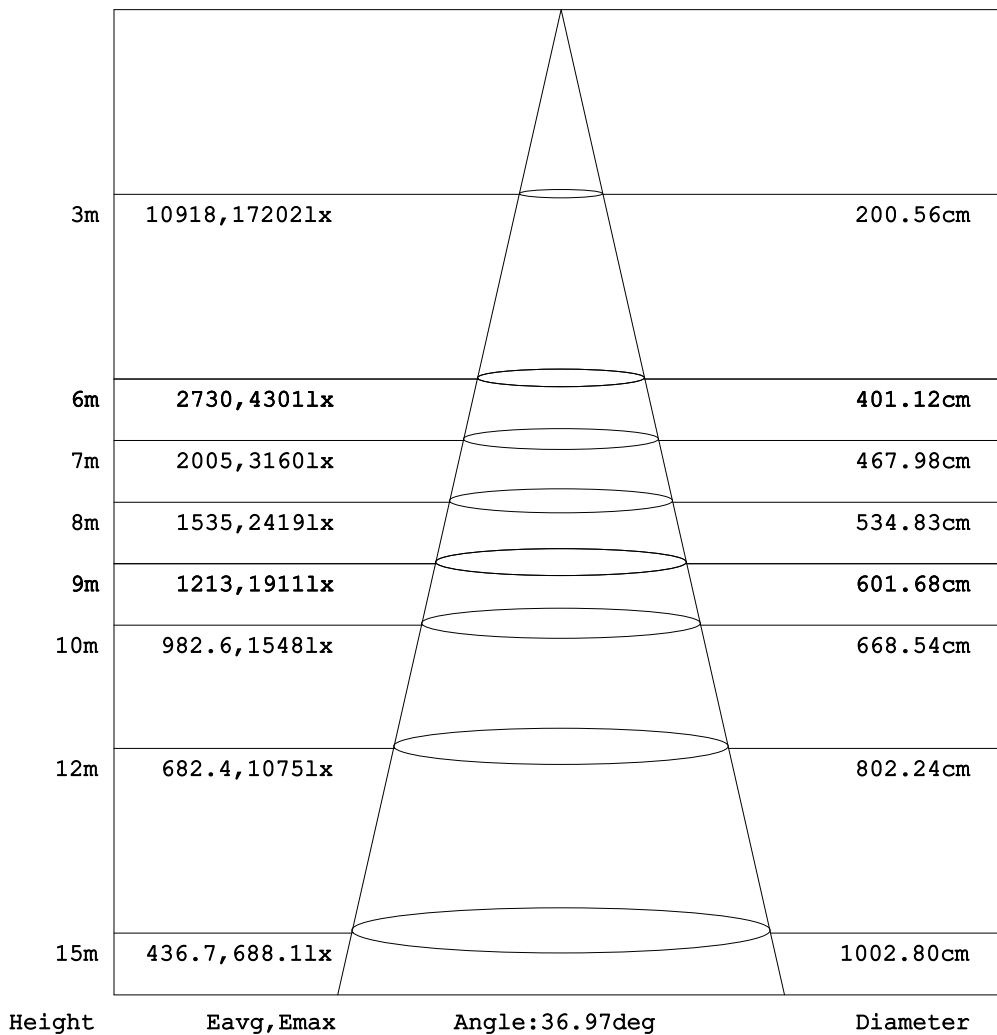
C Range: 0 - 90DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: C
 Test Date: 30 December 2019

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

Test:U:234.43V I:2.1890A P:493.11W PF:0.9609 Freq:50.03Hz Lamp Flux:79178.6x1 lm		
NAME: HL-SP06-500W-40°	TYPE:0	
MFR.: EVERFINE		

Flux out:34561 lm



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:234.43V I:2.1890A P:493.11W PF:0.9609 Freq:50.03Hz Lamp Flux:79178.6x1 lm		
NAME: HL-SP06-500W-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	0.02	0.03	0.03	0.04	0.08	0.03	0.11	0.06	0.08	0.12	0.12	0.12	0.07	0.09	0.11	0.11	0.04	0.00
-75	0.07	0.07	0.20	0.49	0.81	1.22	1.67	2.13	2.60	3.05	3.48	3.86	4.23	4.55	4.81	5.00	5.11	5.16	5.16
-70	0.07	0.11	0.29	0.75	1.36	2.02	2.74	3.50	4.29	5.08	5.88	6.66	7.41	8.15	8.85	9.47	9.94	10.2	10.3
-65	0.07	0.13	0.51	1.23	2.01	2.99	4.04	5.16	6.33	7.51	8.71	9.89	11.0	12.2	13.3	14.3	15.0	15.4	15.4
-60	0.07	0.15	0.71	1.63	2.78	3.91	5.16	6.51	7.95	9.46	11.0	12.6	14.2	15.8	17.3	18.7	19.8	20.5	20.6
-55	0.07	0.15	0.73	1.83	3.29	5.03	6.96	8.94	11.2	13.7	16.3	18.8	21.3	23.9	26.4	28.7	30.5	31.6	31.8
-50	0.07	0.21	1.10	2.67	3.98	5.70	8.08	10.6	13.5	16.9	20.4	23.8	27.2	30.6	34.0	37.4	40.2	42.2	43.1
-45	0.07	0.29	1.57	3.03	5.14	6.99	9.62	13.0	17.0	21.9	26.4	30.8	35.3	40.2	45.0	49.1	52.4	54.9	54.3
-40	0.07	0.25	1.60	3.12	5.71	8.46	10.9	15.0	19.8	25.4	31.5	38.5	47.1	57.1	69.6	84.6	98.7	110	114
-35	0.07	0.26	1.60	3.66	5.99	9.92	13.0	17.8	24.2	31.6	39.7	50.7	65.0	82.2	105	131	155	170	173
-30	0.07	0.32	1.72	4.11	6.59	10.7	14.7	19.9	27.1	34.7	43.9	56.5	75.1	100	128	167	198	226	234
-25	0.07	0.38	2.01	4.33	7.69	11.3	16.3	22.5	31.5	40.7	55.7	78.4	114	167	245	330	414	470	483
-20	0.07	0.43	2.24	4.57	8.52	11.9	17.7	24.9	33.1	45.0	63.5	88.9	132	208	316	447	582	685	733
-15	0.07	0.47	2.36	4.85	9.01	12.3	18.6	27.9	36.3	53.8	75.1	118	185	301	465	651	831	951	982
-10	0.07	0.48	2.39	5.00	8.95	12.7	19.1	28.4	39.1	51.7	79.6	118	193	308	488	714	926	1096	1172
-5	0.07	0.48	2.35	5.03	8.73	12.9	19.3	28.6	42.0	63.4	91.5	142	247	422	650	915	1160	1321	1357
0	0.07	0.46	2.26	4.95	8.42	13.0	19.3	27.8	39.7	57.8	86.5	135	231	399	647	942	1232	1451	1548
5	0.07	0.48	2.35	5.03	8.73	12.9	19.3	28.6	42.0	63.4	91.5	142	247	422	650	915	1160	1321	1357
10	0.07	0.48	2.39	5.00	8.95	12.7	19.1	28.4	39.1	51.7	79.6	118	193	308	488	714	926	1096	1172
15	0.07	0.47	2.36	4.85	9.01	12.3	18.6	27.9	36.3	53.8	75.1	118	185	301	465	651	831	951	982
20	0.07	0.43	2.24	4.57	8.52	11.9	17.7	24.9	33.1	45.0	63.5	88.9	132	208	316	447	582	685	733
25	0.07	0.38	2.01	4.33	7.69	11.3	16.3	22.5	31.5	40.7	55.7	78.4	114	167	245	330	414	470	483
30	0.07	0.32	1.72	4.11	6.59	10.7	14.7	19.9	27.1	34.7	43.9	56.5	75.1	100	128	167	198	226	234
35	0.07	0.26	1.60	3.66	5.99	9.92	13.0	17.8	24.2	31.6	39.7	50.7	65.0	82.2	105	131	155	170	173
40	0.07	0.25	1.60	3.12	5.71	8.46	10.9	15.0	19.8	25.4	31.5	38.5	47.1	57.1	69.6	84.6	98.7	110	114
45	0.07	0.29	1.57	3.03	5.14	6.99	9.62	13.0	17.0	21.9	26.4	30.8	35.3	40.2	45.0	49.1	52.4	54.9	54.3
50	0.07	0.21	1.10	2.67	3.98	5.70	8.08	10.6	13.5	16.9	20.4	23.8	27.2	30.6	34.0	37.4	40.2	42.2	43.1
55	0.07	0.15	0.73	1.83	3.29	5.03	6.96	8.94	11.2	13.7	16.3	18.8	21.3	23.9	26.4	28.7	30.5	31.6	31.8
60	0.07	0.15	0.71	1.63	2.78	3.91	5.16	6.51	7.95	9.46	11.0	12.6	14.2	15.8	17.3	18.7	19.8	20.5	20.6
65	0.07	0.13	0.51	1.23	2.01	2.99	4.04	5.16	6.33	7.51	8.71	9.89	11.0	12.2	13.3	14.3	15.0	15.4	15.4
70	0.07	0.11	0.29	0.75	1.36	2.02	2.74	3.50	4.29	5.08	5.88	6.66	7.41	8.15	8.85	9.47	9.94	10.2	10.3
75	0.07	0.07	0.20	0.49	0.81	1.22	1.67	2.13	2.60	3.05	3.48	3.86	4.23	4.55	4.81	5.00	5.11	5.16	5.16
80	0.07	0.02	0.03	0.03	0.04	0.08	0.03	0.11	0.06	0.08	0.12	0.12	0.12	0.07	0.09	0.11	0.11	0.04	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

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NAME: HL-SP06-500W-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	0.04	0.11	0.11	0.09	0.07	0.12	0.12	0.12	0.08	0.06	0.11	0.03	0.08	0.04	0.03	0.03	0.02	0.07	
-75	5.16	5.11	5.00	4.81	4.55	4.23	3.86	3.48	3.05	2.60	2.13	1.67	1.22	0.81	0.49	0.20	0.07	0.07	
-70	10.2	9.94	9.47	8.85	8.15	7.41	6.66	5.88	5.08	4.29	3.50	2.74	2.02	1.36	0.75	0.29	0.11	0.07	
-65	15.4	15.0	14.3	13.3	12.2	11.0	9.89	8.71	7.51	6.33	5.16	4.04	2.99	2.01	1.23	0.51	0.13	0.07	
-60	20.5	19.8	18.7	17.3	15.8	14.2	12.6	11.0	9.46	7.95	6.51	5.16	3.91	2.78	1.63	0.71	0.15	0.07	
-55	31.6	30.5	28.7	26.4	23.9	21.3	18.8	16.3	13.7	11.2	8.94	6.96	5.03	3.29	1.83	0.73	0.15	0.07	
-50	42.2	40.2	37.4	34.0	30.6	27.2	23.8	20.4	16.9	13.5	10.6	8.08	5.70	3.98	2.67	1.10	0.21	0.07	
-45	54.9	52.4	49.1	45.0	40.2	35.3	30.8	26.4	21.9	17.0	13.0	9.62	6.99	5.14	3.03	1.57	0.29	0.07	
-40	110	98.7	84.6	69.6	57.1	47.1	38.5	31.5	25.4	19.8	15.0	10.9	8.46	5.71	3.12	1.60	0.25	0.07	
-35	170	155	131	105	82.2	65.0	50.7	39.7	31.6	24.2	17.8	13.0	9.92	5.99	3.66	1.60	0.26	0.07	
-30	226	198	167	128	100	75.1	56.5	43.9	34.7	27.1	19.9	14.7	10.7	6.59	4.11	1.72	0.32	0.07	
-25	470	414	330	245	167	114	78.4	55.7	40.7	31.5	22.5	16.3	11.3	7.69	4.33	2.01	0.38	0.07	
-20	685	582	447	316	208	132	88.9	63.5	45.0	33.1	24.9	17.7	11.9	8.52	4.57	2.24	0.43	0.07	
-15	951	831	651	465	301	185	118	75.1	53.8	36.3	27.9	18.6	12.3	9.01	4.85	2.36	0.47	0.07	
-10	1096	926	714	488	308	193	118	79.6	51.7	39.1	28.4	19.1	12.7	8.95	5.00	2.39	0.48	0.07	
-5	1321	1160	915	650	422	247	142	91.5	63.4	42.0	28.6	19.3	12.9	8.73	5.03	2.35	0.48	0.07	
0	1451	1232	942	647	399	231	135	86.5	57.8	39.7	27.8	19.3	13.0	8.42	4.95	2.26	0.46	0.07	
5	1321	1160	915	650	422	247	142	91.5	63.4	42.0	28.6	19.3	12.9	8.73	5.03	2.35	0.48	0.07	
10	1096	926	714	488	308	193	118	79.6	51.7	39.1	28.4	19.1	12.7	8.95	5.00	2.39	0.48	0.07	
15	951	831	651	465	301	185	118	75.1	53.8	36.3	27.9	18.6	12.3	9.01	4.85	2.36	0.47	0.07	
20	685	582	447	316	208	132	88.9	63.5	45.0	33.1	24.9	17.7	11.9	8.52	4.57	2.24	0.43	0.07	
25	470	414	330	245	167	114	78.4	55.7	40.7	31.5	22.5	16.3	11.3	7.69	4.33	2.01	0.38	0.07	
30	226	198	167	128	100	75.1	56.5	43.9	34.7	27.1	19.9	14.7	10.7	6.59	4.11	1.72	0.32	0.07	
35	170	155	131	105	82.2	65.0	50.7	39.7	31.6	24.2	17.8	13.0	9.92	5.99	3.66	1.60	0.26	0.07	
40	110	98.7	84.6	69.6	57.1	47.1	38.5	31.5	25.4	19.8	15.0	10.9	8.46	5.71	3.12	1.60	0.25	0.07	
45	54.9	52.4	49.1	45.0	40.2	35.3	30.8	26.4	21.9	17.0	13.0	9.62	6.99	5.14	3.03	1.57	0.29	0.07	
50	42.2	40.2	37.4	34.0	30.6	27.2	23.8	20.4	16.9	13.5	10.6	8.08	5.70	3.98	2.67	1.10	0.21	0.07	
55	31.6	30.5	28.7	26.4	23.9	21.3	18.8	16.3	13.7	11.2	8.94	6.96	5.03	3.29	1.83	0.73	0.15	0.07	
60	20.5	19.8	18.7	17.3	15.8	14.2	12.6	11.0	9.46	7.95	6.51	5.16	3.91	2.78	1.63	0.71	0.15	0.07	
65	15.4	15.0	14.3	13.3	12.2	11.0	9.89	8.71	7.51	6.33	5.16	4.04	2.99	2.01	1.23	0.51	0.13	0.07	
70	10.2	9.94	9.47	8.85	8.15	7.41	6.66	5.88	5.08	4.29	3.50	2.74	2.02	1.36	0.75	0.29	0.11	0.07	
75	5.16	5.11	5.00	4.81	4.55	4.23	3.86	3.48	3.05	2.60	2.13	1.67	1.22	0.81	0.49	0.20	0.07	0.07	
80	0.04	0.11	0.11	0.09	0.07	0.12	0.12	0.12	0.08	0.06	0.11	0.03	0.08	0.04	0.03	0.03	0.02	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: