

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

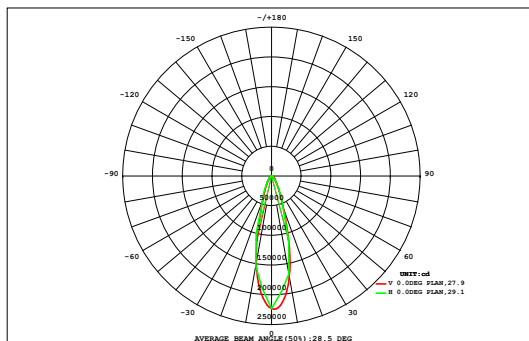
Maximum Intensity		2859.5 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		-1.0 degrees horizontal
Beam Spread	At 10% of Imax	58.9V x 57.4H
	At 50% of Imax	29.1V x 27.9H
	At 90% of Imax	8.0V x 11.4H
Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	750.2 lumens per klm.
	To 50% of Imax	372.3 lumens per klm.
	To 90% of Imax	43.3 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:-80 - 80DEG
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:238.23V I:2.1826A P:498.21W PF:0.9582 Freq:50.03Hz Lamp Flux:78275.7x1 lm		
NAME: HL-SP06-500W-30°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1	Shielding Angle:



DATA OF LAMP		Eff:157.11lm/W	
MODEL	HL-SP06-500W-30°	Imax (cd)	223829
NOMINAL POWER (W)	500	AVAILABILITY (%)	75.2
RATED VOLTAGE (V)	240	Avai. FLUX (lm)	58830
NOMINAL FLUX (lm)	78275.7	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	78276
TEST VOLTAGE (V)	240	θ @50% (H,V)	28,29DEG

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	0.02	0.43	1.70	3.89	6.79	10.1	13.2	15.6	16.9	16.8	15.4	13.0	9.83	6.59	3.72	1.61	0.40	0.03	136	0.00
70	0.07	1.05	3.72	8.31	14.3	21.4	28.5	34.7	38.3	38.2	34.3	27.9	20.7	13.9	8.03	3.59	0.99	0.07	298	0.00
60	0.14	1.76	6.16	13.7	24.5	39.3	56.5	73.9	85.5	86.3	75.4	57.2	39.3	24.1	13.2	5.95	1.68	0.13	605	0.00
50	0.21	2.50	8.65	19.9	39.0	70.1	112	157	187	189	164	120	74.4	39.9	19.7	8.44	2.40	0.19	1215	0.00
40	0.28	3.20	11.1	27.1	60.1	120	209	307	382	389	321	221	130	63.6	27.9	10.9	3.06	0.25	2287	0.00
30	0.34	3.77	13.3	35.3	87.0	190	357	597	844	861	625	373	203	92.5	37.3	13.4	3.63	0.30	4337	1757
	0.38	4.18	15.1	43.1	115	269	579	1275	2412	2506	1384	597	277	121	45.1	15.3	4.03	0.34	9663	8121
	0.40	4.40	16.1	48.0	134	335	823	2456	5237	5298	2521	822	333	138	49.8	16.5	4.27	0.36	18238	16934
	0.40	4.42	16.2	48.7	138	354	914	2870	5786	5748	2750	848	336	137	49.5	16.5	4.26	0.36	20021	18740
	0.37	4.20	15.2	44.1	122	304	715	1732	3293	3178	1525	642	286	119	44.8	15.5	4.04	0.33	12044	10602
-30	0.32	3.82	13.5	36.8	94.5	220	447	756	925	845	641	395	203	89.6	36.8	13.5	3.61	0.27	4724	2677
-40	0.25	3.26	11.3	27.9	64.3	135	245	362	424	405	330	224	126	61.6	28.2	11.1	3.06	0.20	2462	0.00
-50	0.18	2.59	8.88	20.3	40.8	74.5	121	168	195	189	158	112	69.2	39.4	20.0	8.55	2.36	0.14	1230	0.00
-60	0.12	1.86	6.39	13.9	24.7	39.2	55.8	70.9	79.5	78.3	68.3	53.3	38.0	24.3	13.6	6.04	1.62	0.09	576	0.00
-70	0.08	1.15	4.03	8.69	14.7	21.4	27.7	32.4	34.9	34.6	31.8	27.1	20.9	14.2	8.20	3.63	0.93	0.05	286	0.00
-80	0.04	0.51	1.90	4.16	7.03	10.1	13.0	15.1	16.0	15.9	14.8	12.6	9.78	6.59	3.72	1.60	0.38	0.03	133	0.00
-90	0.01	0.08	0.33	0.69	1.16	1.72	2.19	2.47	2.56	2.49	2.20	1.79	1.28	0.77	0.39	0.15	0.02	0.01	20.3	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	3.60	43.2	154	405	988	2215	4719	10925	19959	19881	10661	4548	2176	992	410	152	40.7	3.16	78276	---
Φ a	0.00	0.00	0.00	0.00	0.00	37.3	2408	9109	18123	18086	8926	2141	0.00	0.00	0.00	0.00	0.00	0.00	---	58830

one-half-peak spread: U:15.2,D:14.2 , L:14.1,R:14.0

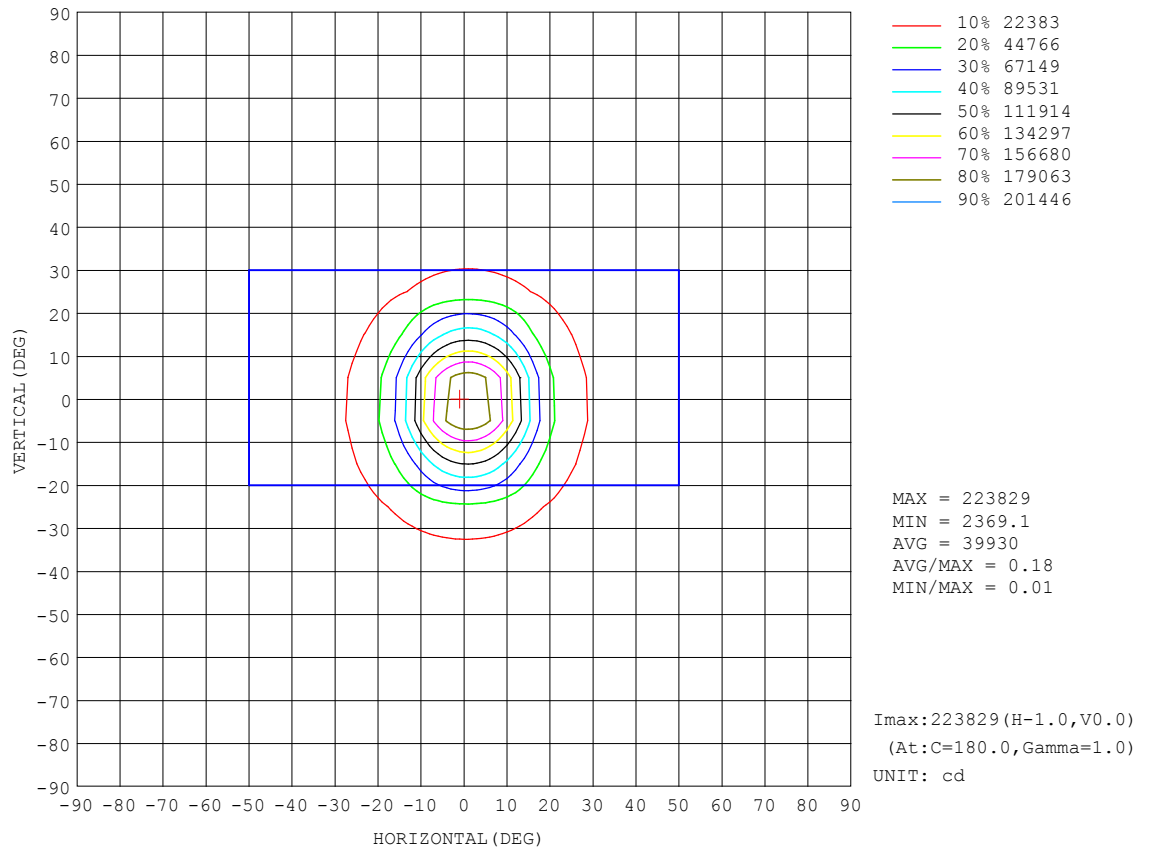
NEMA Beam Type: Type 4

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:-80 - 80DEG
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:238.23V I:2.1826A P:498.21W PF:0.9582 Freq:50.03Hz Lamp Flux:78275.7x1 lm		
NAME: HL-SP06-500W-30°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1	Shielding Angle:

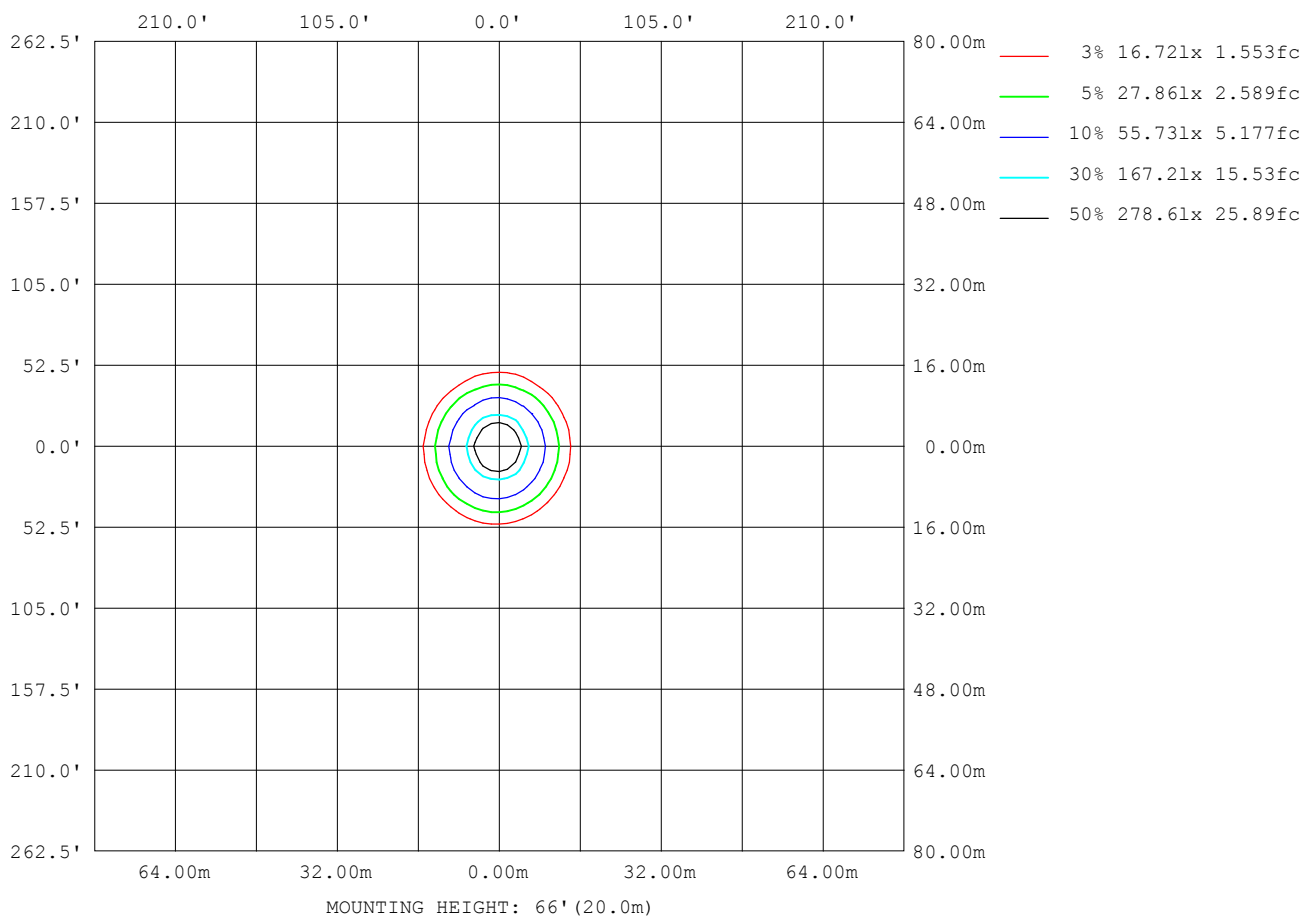


H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:06 January 2020

V(B) Range:-80 - 80DEG
 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

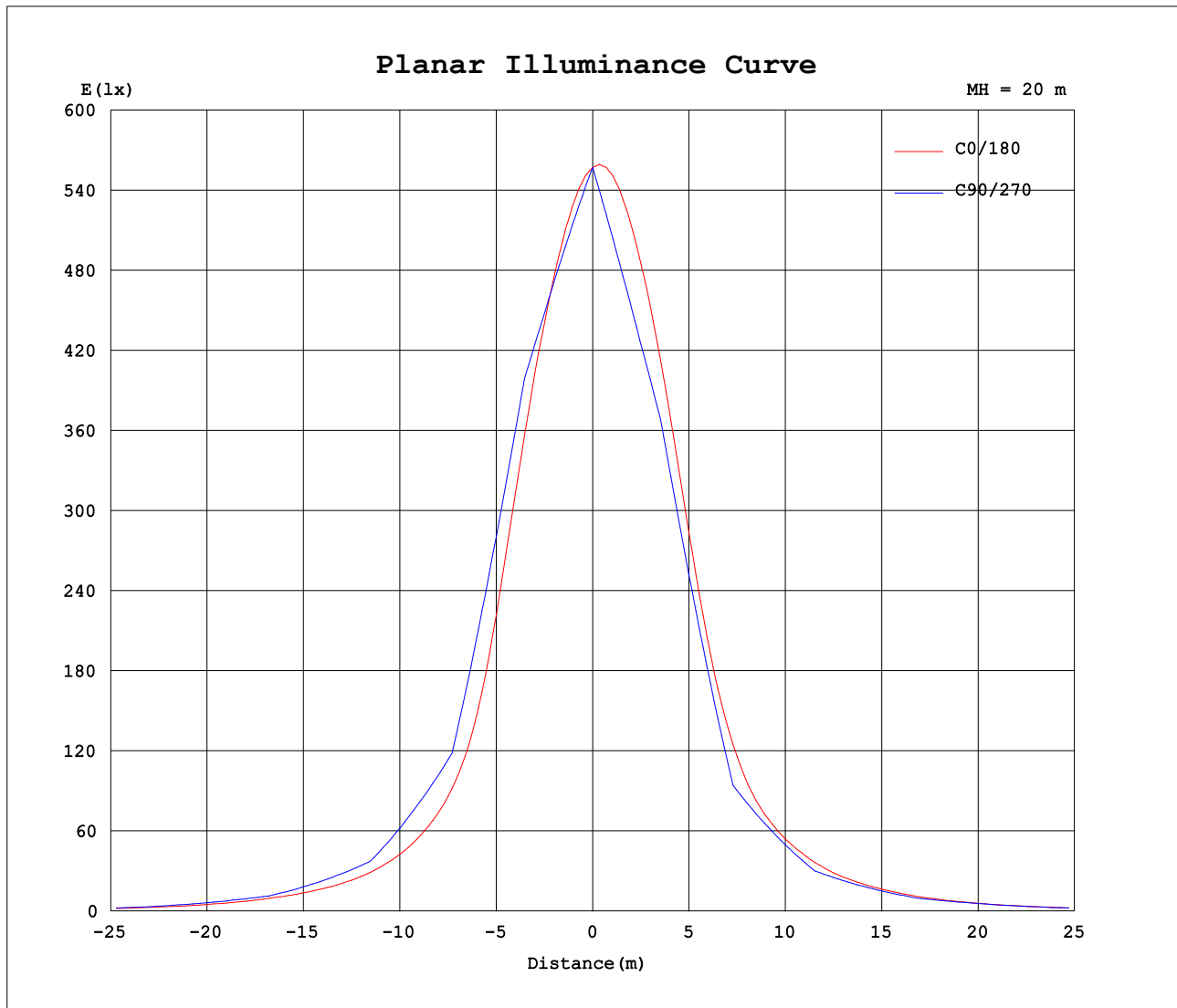
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NAME: HL-SP06-500W-30°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1	Shielding Angle:



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:-80 - 80DEG
 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

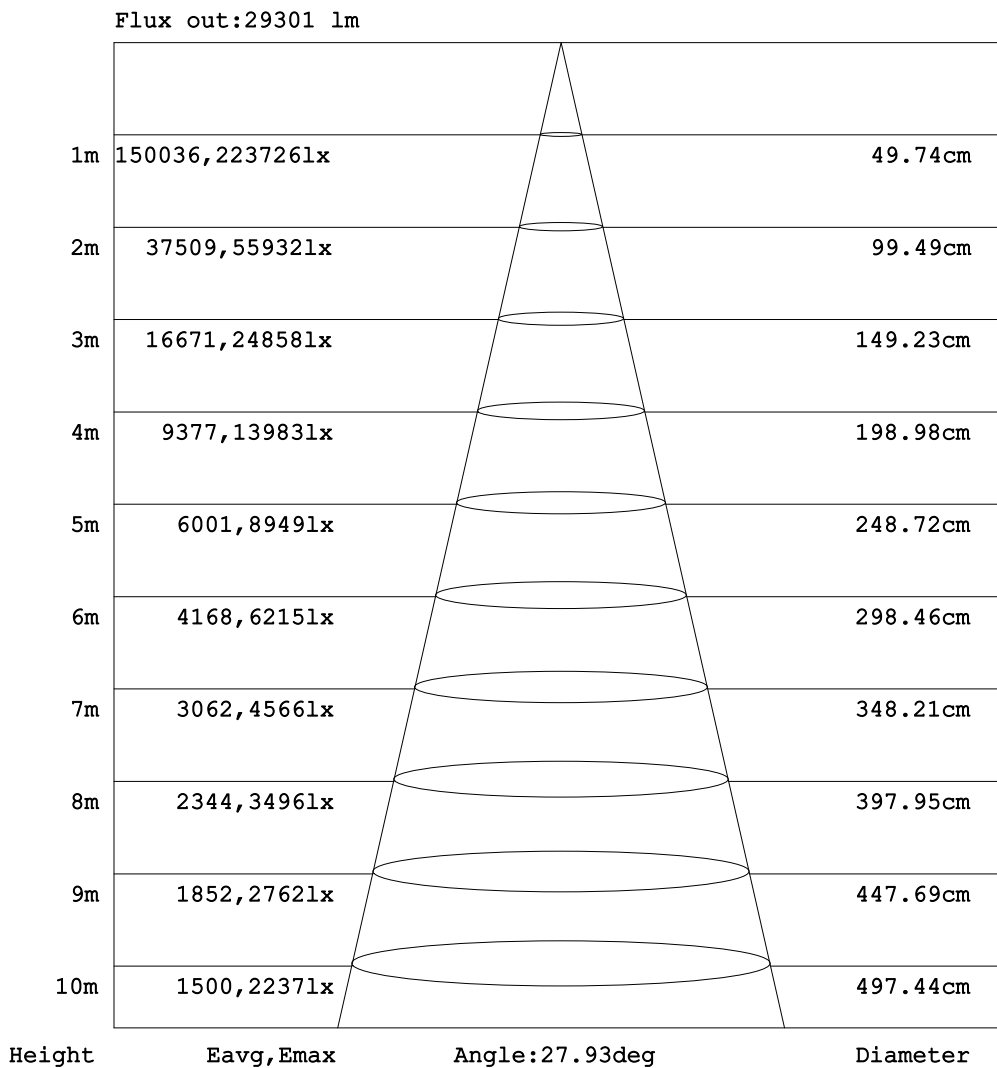


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:C
Test Date:06 January 2020

V(B) Range:-80 - 80DEG
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:238.23V I:2.1826A P:498.21W PF:0.9582 Freq:50.03Hz Lamp Flux:78275.7x1 lm		
NAME: HL-SP06-500W-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:-80 - 80DEG
 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:238.23V I:2.1826A P:498.21W PF:0.9582 Freq:50.03Hz Lamp Flux:78275.7x1 lm		
NAME: HL-SP06-500W-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	0.07	0.09	0.11	0.29	0.55	0.79	1.03	1.28	1.55	1.79	2.04	2.30	2.52	2.70	2.85	2.95	3.01	3.06	3.07
-75	0.07	0.09	0.19	0.49	0.92	1.35	1.81	2.28	2.76	3.23	3.68	4.13	4.55	4.94	5.24	5.50	5.67	5.78	5.84
-70	0.07	0.10	0.46	1.03	1.64	2.28	2.97	3.67	4.35	5.03	5.68	6.29	6.91	7.45	7.85	8.18	8.44	8.57	8.58
-65	0.06	0.08	0.42	1.15	1.99	2.85	3.77	4.73	5.70	6.70	7.69	8.73	9.77	10.7	11.6	12.3	12.9	13.3	13.5
-60	0.06	0.21	0.89	1.97	3.01	4.13	5.33	6.57	7.84	9.16	10.5	12.0	13.4	14.7	15.9	17.0	17.8	18.2	18.3
-55	0.06	0.09	0.72	1.93	3.20	4.54	5.99	7.56	9.26	11.2	13.4	15.9	18.6	21.4	24.2	26.8	28.9	30.3	30.8
-50	0.05	0.34	1.39	2.92	4.43	6.06	7.87	9.87	12.2	14.9	18.2	21.9	26.1	30.3	34.6	38.4	41.3	43.0	43.2
-45	0.05	0.14	1.08	2.73	4.41	6.26	8.35	10.8	13.8	17.7	22.7	28.8	35.9	44.0	52.4	60.5	67.2	71.6	73.3
-40	0.05	0.49	2.01	3.84	5.82	8.06	10.6	13.9	18.4	24.3	31.8	41.2	52.1	64.5	76.9	88.3	97.2	102	103
-35	0.05	0.20	1.50	3.44	5.52	7.90	10.7	14.4	19.7	27.1	37.0	50.0	66.2	85.4	107	128	147	161	167
-30	0.05	0.65	2.55	4.63	7.02	9.89	13.5	18.7	26.3	37.1	51.9	71.2	95.1	123	154	184	210	227	230
-25	0.05	0.27	1.92	4.03	6.44	9.34	13.0	18.5	26.6	38.5	55.6	78.7	109	148	197	257	320	375	402
-20	0.05	0.89	2.92	5.28	8.04	11.5	16.4	23.9	35.2	52.3	76.0	109	152	209	287	380	478	554	571
-15	0.05	0.36	2.19	4.45	7.12	10.4	15.0	22.0	32.8	49.4	73.3	107	154	223	326	493	746	1004	1123
-10	0.05	1.13	3.14	5.67	8.67	12.6	18.4	27.5	41.9	63.8	94.6	139	204	308	478	789	1240	1590	1672
-5	0.05	0.49	2.30	4.67	7.50	11.1	16.1	24.1	36.6	55.9	83.6	124	182	276	436	762	1277	1740	1953
0	0.05	1.18	3.23	5.82	8.95	13.1	19.4	29.3	44.6	67.9	101	150	225	349	603	1121	1730	2129	2229
5	0.05	0.57	2.30	4.67	7.50	11.1	16.1	24.1	36.4	55.4	82.1	121	176	264	414	730	1237	1678	1888
10	0.05	1.14	3.13	5.67	8.69	12.6	18.4	27.4	41.4	62.2	90.6	131	188	278	425	721	1141	1460	1544
15	0.05	0.54	2.19	4.45	7.14	10.5	15.0	22.0	32.5	48.3	70.0	99.7	140	198	283	428	661	888	999
20	0.05	1.07	2.92	5.28	8.07	11.5	16.4	23.9	34.5	50.3	70.9	97.8	133	178	236	305	379	440	455
25	0.06	0.49	1.98	4.03	6.46	9.38	13.1	18.5	26.4	37.4	52.8	72.4	96.9	127	164	207	255	298	321
30	0.07	0.94	2.55	4.63	7.04	9.92	13.5	18.7	25.9	35.9	49.2	65.2	83.5	103	125	147	168	181	186
35	0.06	0.40	1.68	3.42	5.50	7.90	10.8	14.5	19.6	26.5	35.6	47.0	60.3	75.0	90.8	106	121	132	137
40	0.06	0.78	2.10	3.81	5.79	8.05	10.7	14.0	18.3	23.9	30.6	39.0	48.7	59.0	68.7	77.5	84.2	88.2	89.3
45	0.05	0.27	1.31	2.68	4.35	6.22	8.36	10.8	13.8	17.6	22.3	27.9	34.5	41.5	48.5	55.1	60.6	64.3	66.0
50	0.05	0.54	1.54	2.83	4.35	6.02	7.89	9.92	12.2	14.9	18.2	21.9	25.8	29.7	33.7	37.4	40.4	42.3	42.9
55	0.05	0.13	0.91	1.90	3.10	4.46	5.95	7.55	9.28	11.2	13.4	15.9	18.5	21.0	23.7	26.3	28.5	29.9	30.6
60	0.04	0.31	1.01	1.88	2.90	4.05	5.27	6.53	7.84	9.15	10.5	11.9	13.3	14.5	15.8	17.0	17.9	18.4	18.5
65	0.04	0.06	0.53	1.16	1.89	2.75	3.67	4.65	5.64	6.62	7.63	8.65	9.64	10.5	11.4	12.2	12.8	13.2	13.4
70	0.04	0.08	0.51	0.99	1.54	2.17	2.85	3.57	4.22	4.89	5.54	6.16	6.74	7.24	7.65	7.97	8.19	8.28	8.24
75	0.04	0.05	0.20	0.48	0.86	1.26	1.70	2.17	2.64	3.09	3.54	3.97	4.39	4.75	5.04	5.28	5.45	5.56	5.56
80	0.04	0.05	0.08	0.27	0.48	0.70	0.92	1.16	1.41	1.65	1.88	2.12	2.33	2.50	2.63	2.74	2.82	2.86	2.86
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:-80 - 80DEG
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:238.23V I:2.1826A P:498.21W PF:0.9582 Freq:50.03Hz Lamp Flux:78275.7x1 lm		
NAME: HL-SP06-500W-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	3.03	2.96	2.85	2.70	2.54	2.33	2.10	1.85	1.58	1.31	1.05	0.81	0.60	0.38	0.15	0.11	0.10	0.08	
-75	5.80	5.70	5.53	5.29	5.01	4.65	4.25	3.80	3.32	2.82	2.33	1.85	1.40	0.97	0.56	0.25	0.11	0.08	
-70	8.52	8.33	8.04	7.66	7.23	6.66	6.06	5.38	4.66	3.94	3.22	2.52	1.84	1.23	0.67	0.24	0.09	0.07	
-65	13.4	13.1	12.6	11.8	11.1	10.1	9.15	8.12	7.07	6.03	5.00	3.98	3.02	2.12	1.31	0.57	0.14	0.07	
-60	18.0	17.4	16.5	15.5	14.3	12.9	11.5	10.0	8.65	7.30	5.95	4.68	3.46	2.34	1.30	0.48	0.08	0.06	
-55	30.5	29.3	27.3	24.9	22.3	19.5	16.9	14.5	12.2	10.1	8.27	6.52	4.95	3.51	2.22	0.98	0.23	0.06	
-50	42.1	39.7	36.2	32.3	28.2	24.1	20.4	17.0	14.0	11.4	9.15	7.07	5.25	3.60	2.11	0.75	0.10	0.05	
-45	71.8	67.7	61.4	53.8	45.8	37.9	30.8	24.7	19.7	15.5	12.1	9.36	6.97	4.93	3.16	1.51	0.35	0.06	
-40	98.9	91.1	80.6	69.0	57.1	45.7	36.0	28.1	21.9	16.8	12.8	9.64	6.97	4.79	2.89	1.09	0.14	0.05	
-35	162	149	130	110	89.3	70.6	54.3	40.9	30.5	22.7	16.9	12.4	9.00	6.27	4.03	2.08	0.48	0.05	
-30	217	193	163	134	106	81.6	61.3	44.4	32.2	23.8	17.1	12.3	8.68	5.87	3.56	1.58	0.19	0.05	
-25	384	332	267	206	155	116	86.1	62.1	43.8	30.8	22.0	15.5	10.9	7.43	4.76	2.53	0.67	0.06	
-20	516	420	320	236	170	125	90.6	63.9	43.7	30.2	21.2	14.6	10.1	6.69	4.06	1.90	0.25	0.06	
-15	1066	849	563	359	241	167	118	83.6	57.4	38.4	26.5	18.2	12.3	8.30	5.28	2.83	0.89	0.06	
-10	1475	1048	613	375	246	165	116	80.5	54.1	35.8	24.5	16.5	11.1	7.28	4.42	2.08	0.35	0.06	
-5	1853	1480	939	506	309	202	138	96.5	66.1	43.3	29.1	19.7	13.1	8.76	5.55	2.98	1.01	0.06	
0	1986	1494	852	444	273	179	123	86.4	57.9	37.7	25.5	17.1	11.3	7.44	4.49	2.13	0.49	0.06	
5	1793	1432	902	487	301	198	135	96.1	66.2	43.5	29.1	19.7	13.0	8.74	5.53	2.98	1.01	0.06	
10	1364	966	551	348	232	159	113	80.5	54.5	35.9	24.6	16.4	10.9	7.24	4.39	2.08	0.48	0.06	
15	951	761	502	324	225	158	114	83.1	57.9	38.7	26.5	18.1	12.1	8.22	5.24	2.82	0.96	0.05	
20	415	351	279	211	156	117	89.1	64.3	44.3	30.2	21.2	14.3	9.89	6.62	4.02	1.89	0.43	0.05	
25	309	274	229	181	141	109	84.0	62.6	44.4	30.9	22.0	15.2	10.6	7.32	4.71	2.52	0.85	0.04	
30	179	162	139	118	97.9	80.3	61.9	45.3	32.4	23.7	16.9	11.8	8.48	5.78	3.53	1.65	0.36	0.04	
35	136	128	114	98.9	83.6	69.5	54.6	41.3	30.6	22.6	16.5	11.9	8.73	6.15	3.97	2.11	0.71	0.04	
40	87.8	83.7	76.9	67.7	57.7	46.7	36.5	28.0	21.8	16.3	12.1	9.24	6.78	4.68	2.83	1.32	0.24	0.04	
45	65.6	63.4	59.3	53.2	46.1	38.6	31.3	24.7	19.4	15.1	11.5	8.92	6.75	4.81	3.11	1.63	0.54	0.04	
50	42.2	40.3	37.2	33.1	28.6	24.6	20.6	16.8	13.2	10.7	8.69	6.81	5.09	3.52	2.12	0.96	0.12	0.04	
55	30.4	29.4	27.6	25.1	22.2	19.3	16.7	14.1	11.6	9.50	7.82	6.25	4.78	3.41	2.18	1.13	0.34	0.04	
60	18.1	17.3	16.2	14.8	13.4	12.0	10.6	9.36	8.13	6.91	5.66	4.48	3.35	2.27	1.35	0.61	0.06	0.04	
65	13.3	12.9	12.2	11.4	10.5	9.53	8.55	7.61	6.67	5.72	4.76	3.80	2.90	2.05	1.28	0.65	0.15	0.04	
70	8.13	7.93	7.66	7.29	6.84	6.29	5.72	5.11	4.45	3.79	3.07	2.39	1.76	1.17	0.68	0.26	0.04	0.04	
75	5.52	5.40	5.25	5.01	4.73	4.37	3.98	3.56	3.12	2.67	2.19	1.73	1.30	0.90	0.53	0.25	0.06	0.04	
80	2.82	2.76	2.66	2.52	2.35	2.14	1.91	1.67	1.42	1.17	0.93	0.71	0.51	0.32	0.12	0.05	0.05	0.04	
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:-80 - 80DEG
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: