

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

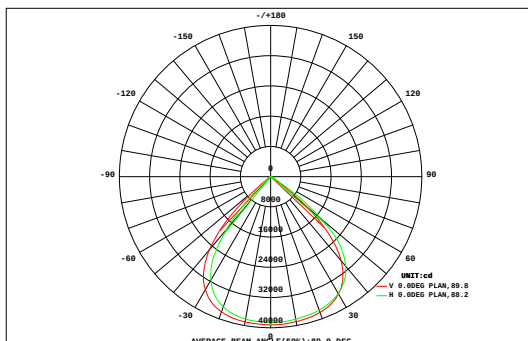
Maximum Intensity (Luminaire orientation as tested.)		579.1 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	104.9V x 104.6H
	At 50% of Imax	88.2V x 89.8H
	At 90% of Imax	55.3V x 59.9H
Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	965.9 lumens per klm.
	To 50% of Imax	861.5 lumens per klm.
	To 90% of Imax	438.7 lumens per klm.
Upward LOR		0.0 %
Downward LOR		100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:23 June 2021

γ Range: 0 - 90DEG
 γ Interval: 2.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:7.700m [K=1.0000]
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:218.27V I:2.3440A P:497.62W PF:0.9726 Freq:0Hz Lamp Flux:67721.4x1 lm		
NAME: S05-150-500W-6500K-XY3030-768PCS-DL-Y16H1-90TYPE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:136.03lm/W	
MODEL		Imax(cd)	39215
NOMINAL POWER(W)	500	AVAILABILITY(%)	96.5
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	65384
NOMINAL FLUX(lm)	67721.4	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	67692
TEST VOLTAGE(V)	220	θ @50%(H,V)	90,88DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.04	0.13	0.25	0.36	0.43	0.48	0.49	0.43	0.37	0.29	0.22	0.18	0.15	0.13	0.10	0.07	0.04	0.01	4.17	0.00
90	0.06	0.34	1.00	1.94	2.92	3.80	4.35	4.46	4.24	3.54	2.56	1.79	1.09	0.59	0.31	0.15	0.06	0.01	33.2	0.00
80	0.09	0.77	2.46	5.05	8.06	10.9	12.9	14.0	14.5	13.2	10.4	7.96	5.34	3.08	1.53	0.59	0.15	0.02	111	0.00
70	0.13	1.30	4.25	8.85	14.8	21.3	27.6	31.6	32.5	29.0	23.3	17.4	12.1	7.51	3.96	1.55	0.36	0.03	238	0.00
60	0.17	1.88	6.11	13.1	24.3	55.9	163	260	278	204	97.6	40.3	22.0	13.3	6.98	2.86	0.72	0.05	1190	895
50	0.22	2.43	8.05	18.5	72.7	320	602	766	805	723	533	259	60.4	20.3	10.1	4.26	1.17	0.07	4205	4051
40	0.26	2.92	9.91	26.2	228	613	869	1013	1057	1012	876	627	275	41.3	13.3	5.83	1.65	0.10	6672	6566
30	0.29	3.31	11.3	45.8	375	752	985	1105	1148	1118	1015	826	507	125	18.0	7.44	2.10	0.13	8044	7956
20	0.31	3.55	12.2	70.3	455	811	1022	1133	1176	1146	1079	939	683	278	26.2	8.80	2.45	0.14	8846	8771
10	0.32	3.64	12.5	81.4	469	806	1000	1104	1154	1172	1128	1004	757	340	30.0	9.21	2.54	0.15	9072	9000
0	0.32	3.55	12.4	72.0	429	765	975	1091	1145	1151	1099	963	702	280	24.3	8.57	2.35	0.14	8726	8649
-10	0.30	3.31	11.5	47.7	350	705	932	1057	1113	1110	1040	877	573	160	18.9	7.45	2.04	0.12	8009	7925
-20	0.27	2.93	9.97	27.7	211	569	820	963	1023	1006	903	692	344	52.9	14.6	6.05	1.64	0.09	6647	6541
-30	0.24	2.46	8.05	19.0	71.3	306	568	733	786	742	589	323	84.5	21.6	10.6	4.65	1.21	0.07	4272	4127
-40	0.19	1.94	6.15	13.4	25.8	63.8	149	248	269	214	121	46.1	23.8	14.3	7.41	3.20	0.76	0.04	1208	902
-50	0.15	1.38	4.29	9.07	15.9	22.5	28.9	34.1	34.5	31.0	25.7	19.0	13.6	8.87	4.45	1.77	0.39	0.03	256	0.00
-60	0.10	0.83	2.56	5.23	8.84	11.6	13.8	15.5	15.9	14.5	11.7	8.75	6.19	3.85	1.83	0.66	0.15	0.01	122	0.00
-70	0.07	0.41	1.12	2.16	3.40	4.37	4.99	5.21	4.88	4.16	3.17	2.19	1.36	0.72	0.33	0.12	0.04	0.01	38.7	0.00
-80	0.04	0.13	0.25	0.36	0.43	0.48	0.49	0.43	0.37	0.29	0.22	0.18	0.15	0.13	0.10	0.07	0.04	0.01	4.17	0.00
-90	0.04	0.13	0.25	0.36	0.43	0.48	0.49	0.43	0.37	0.29	0.22	0.18	0.15	0.13	0.10	0.07	0.04	0.01	4.17	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	3.51	37.1	124	468	2766	5842	8177	9579	10062	9693	8557	6654	4071	1372	193	73.2	19.8	1.23	67692	---
Φ a	0.00	0.00	0.00	208	2578	5687	8027	9436	9918	9547	8406	6496	3904	1172	7.15	0.00	0.00	0.00	---	65384

one-half-peak spread: U:46.7,D:39.3 , L:46.6,R:43.4

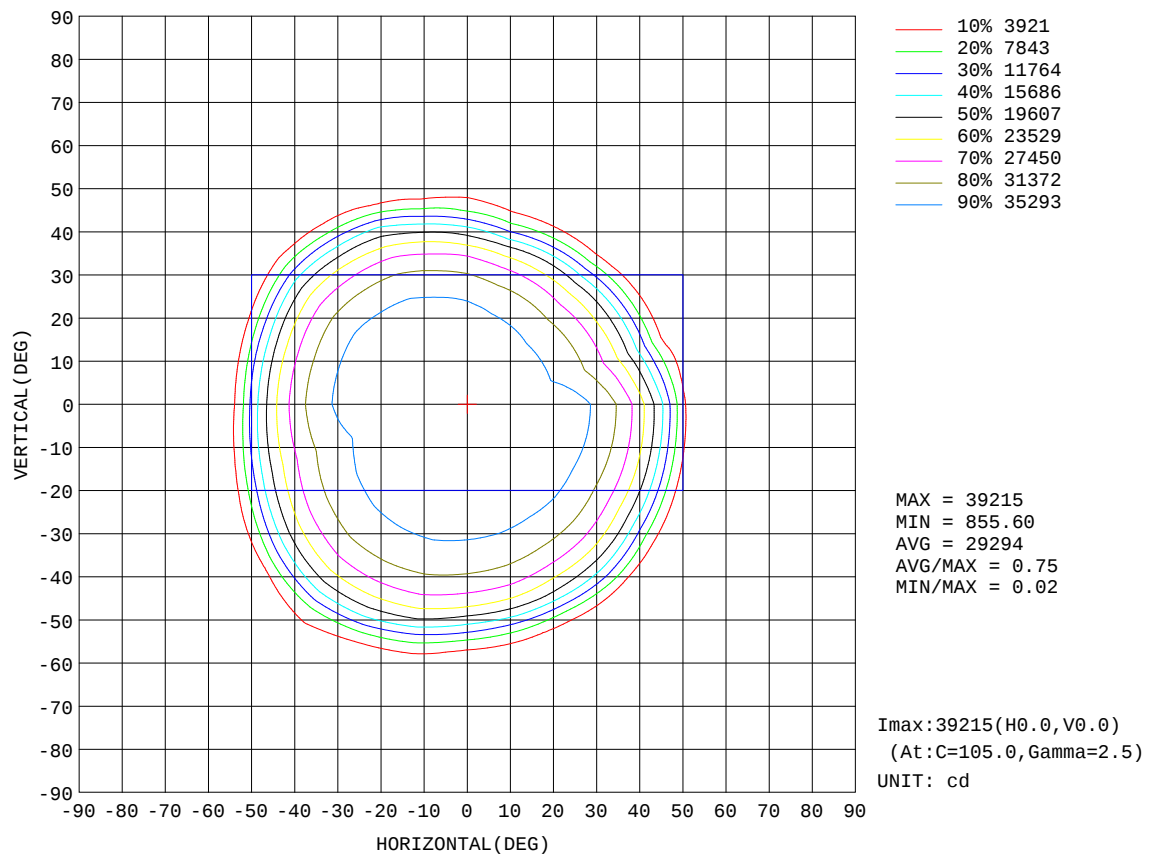
NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:23 June 2021

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:218.27V I:2.3440A P:497.62W PF:0.9726 Freq:0Hz Lamp Flux:67721.4x1 lm		
NAME: S05-150-500W-6500K-XY3030-768PCS-DL-Y16H1-90TYPE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

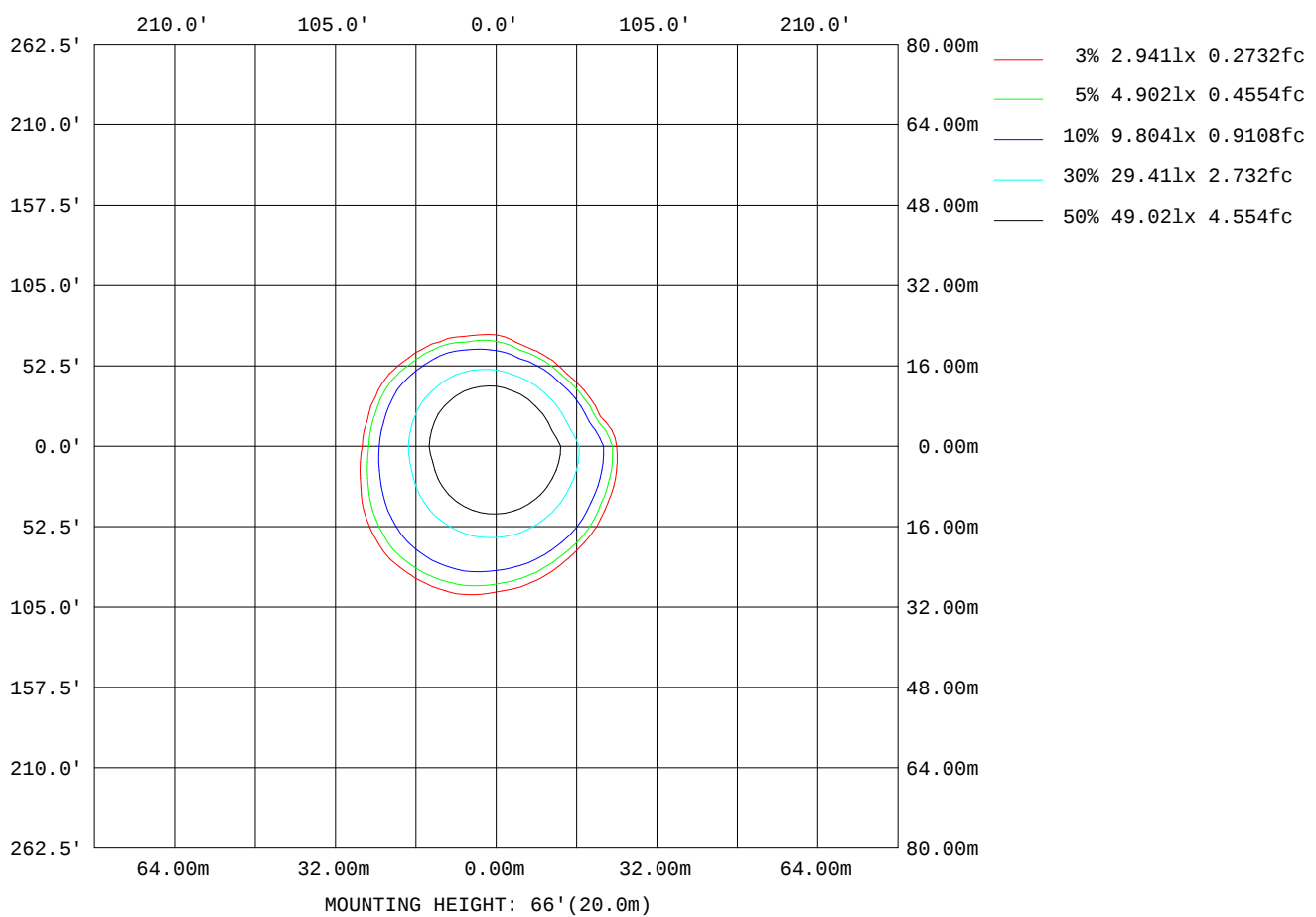


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 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 23 June 2021

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 γ Interval: 2.5DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.404.6
 Humidity: 65.0%
 Test Distance: 7.700m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

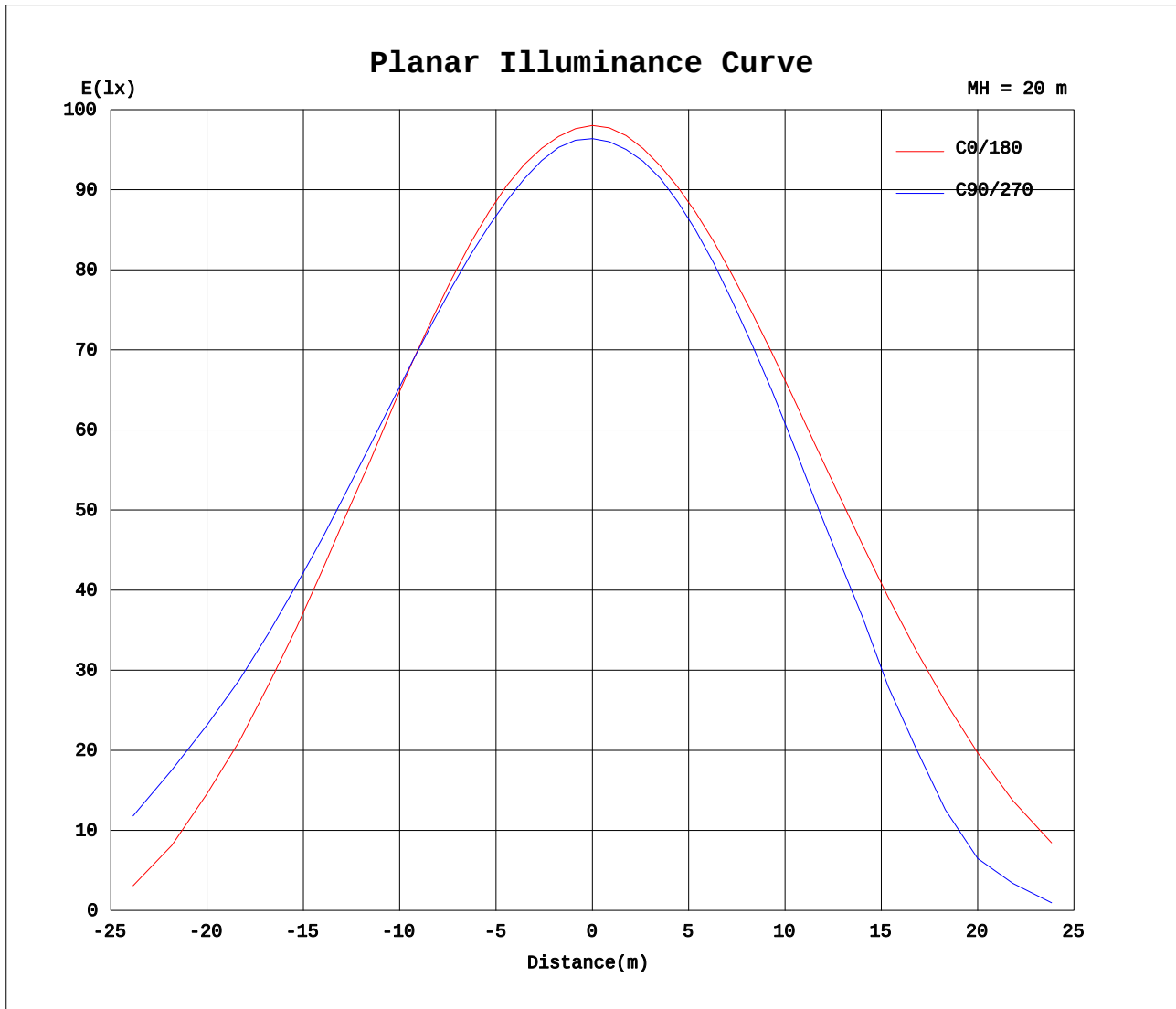
Test:U:218.27V I:2.3440A P:497.62W PF:0.9726 Freq:0Hz Lamp Flux:67721.4x1 lm		
NAME: S05-150-500W-6500K-XY3030-768PCS-DL-Y16H1-90TYPE:	WEIGHT:	
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MFR.: EVERFINE	SUR.:	Shielding Angle:



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Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

Planar Illuminance Curve

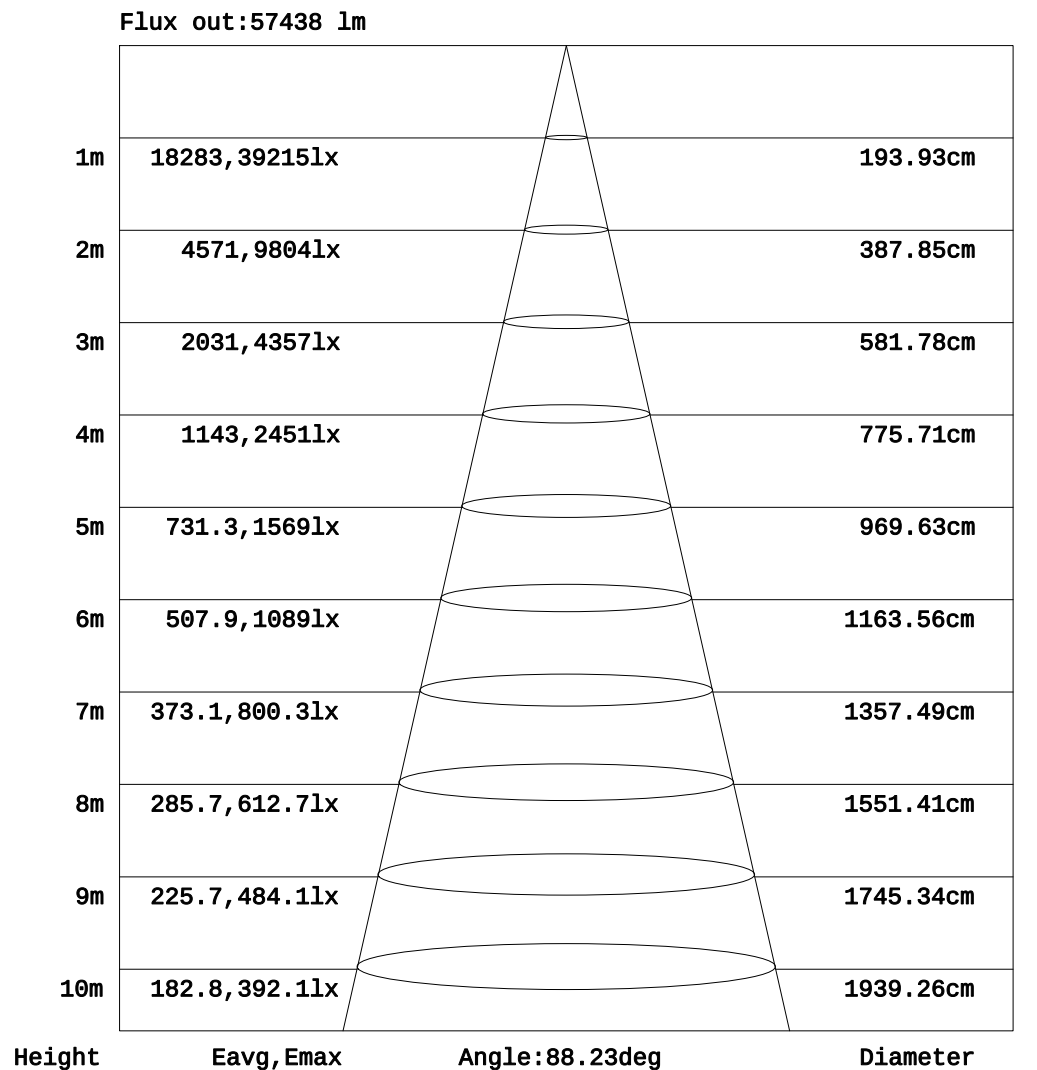


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 23 June 2021

γ Range: 0 - 90DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.404.6
 Humidity: 65.0%
 Test Distance: 7.700m [K=1.0000]
 Remarks:

AAI Figure

Test:U:218.27V I:2.3440A P:497.62W PF:0.9726 Freq:0Hz Lamp Flux:67721.4x1 lm		
NAME: S05-150-500W-6500K-XY3030-768PCS-DL-Y16H1-90TYPE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
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Test Date:23 June 2021

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γ Interval: 2.5DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.404.6
Humidity:65.0%
Test Distance:7.700m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:218.27V I:2.3440A P:497.62W PF:0.9726 Freq:0Hz Lamp Flux:67721.4x1 lm		
NAME: S05-150-500W-6500K-XY3030-768PCS-DL-Y16H1-90TYPE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1
UNIT: ×10cd

H(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
V(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	1.12	1.69	2.27	2.85	3.58	4.32	5.05	5.42	5.80	6.17	6.32	6.48	6.63	6.29	5.95	5.61	5.01	4.42	3.82
-85	1.12	2.14	3.42	4.95	6.58	8.29	10.1	11.9	13.8	15.6	16.4	17.1	17.5	17.3	17.1	16.0	14.8	13.4	
-80	1.12	2.58	4.55	7.06	10.2	13.5	17.0	20.4	23.8	27.2	29.0	30.4	31.3	32.1	32.7	33.0	32.5	31.8	30.8
-75	1.12	3.00	5.68	9.97	14.4	19.6	24.4	29.5	35.0	41.2	44.5	46.3	47.6	49.4	51.0	52.2	52.3	51.6	50.5
-70	1.12	3.40	7.33	12.8	19.7	26.0	32.1	39.9	48.2	56.9	62.2	65.3	67.4	70.9	74.4	76.9	77.6	77.1	75.6
-65	1.12	3.77	8.87	16.6	24.9	32.5	41.4	51.4	62.2	73.5	82.6	88.3	95.4	102	109	114	114	111	106
-60	1.12	4.11	10.3	20.1	29.8	39.6	50.8	63.1	76.8	91.5	106	121	135	147	167	190	194	179	155
-55	1.12	4.70	12.2	23.4	34.8	46.8	60.4	75.0	92.9	115	140	195	283	434	606	785	848	809	712
-50	1.12	5.23	14.0	26.6	39.5	53.8	70.3	89.0	114	145	312	544	915	1324	1624	1811	1920	1889	1782
-45	1.12	5.70	15.5	29.6	44.3	60.8	80.9	106	141	254	606	1267	1759	2122	2372	2548	2652	2660	2622
-40	1.12	6.10	16.9	32.6	48.7	68.4	91.6	124	172	482	1220	1881	2331	2636	2858	3001	3090	3109	3090
-35	1.12	6.43	18.4	35.4	53.1	75.6	102	141	281	949	1731	2319	2742	3003	3185	3299	3372	3396	3387
-30	1.12	6.70	19.7	37.9	56.8	82.1	112	155	496	1351	2111	2637	3004	3250	3396	3493	3552	3577	3576
-25	1.12	6.89	20.8	39.9	60.4	87.4	120	184	722	1667	2365	2860	3189	3403	3532	3609	3657	3683	3688
-20	1.12	7.01	21.6	41.5	63.3	91.5	125	203	937	1872	2540	3008	3309	3495	3614	3679	3722	3750	3756
-15	1.12	7.06	22.1	42.6	65.4	94.1	129	278	1108	2015	2661	3099	3374	3552	3655	3722	3759	3784	3796
-10	1.12	7.04	22.4	43.3	66.5	95.3	130	296	1234	2139	2760	3156	3406	3570	3673	3736	3775	3804	3828
-5	1.12	6.95	22.3	43.5	66.8	95.3	129	270	1295	2215	2854	3261	3497	3626	3685	3727	3767	3800	3855
0	1.12	6.80	22.0	43.2	66.3	94.1	126	218	1274	2229	2902	3332	3590	3740	3822	3871	3894	3916	3921
5	1.12	6.74	21.7	42.5	65.1	92.6	125	209	1186	2164	2844	3282	3559	3720	3810	3861	3884	3887	3846
10	1.12	6.61	21.2	41.4	63.1	90.0	121	193	1007	2012	2715	3186	3497	3676	3781	3836	3859	3858	3829
15	1.12	6.43	20.3	39.8	60.4	86.2	116	171	745	1767	2522	3053	3389	3598	3711	3771	3803	3800	3771
20	1.12	6.20	19.3	37.8	57.0	81.4	109	146	457	1450	2275	2836	3216	3439	3579	3665	3703	3695	3664
25	1.12	5.92	18.0	35.5	53.0	75.4	101	134	271	1037	1903	2516	2909	3182	3368	3481	3518	3517	3486
30	1.12	5.59	16.5	32.8	48.5	68.5	91.4	119	172	531	1370	2010	2464	2803	3032	3171	3212	3210	3161
35	1.12	5.21	14.8	29.7	44.0	60.9	80.9	103	136	239	682	1309	1830	2239	2511	2677	2723	2722	2676
40	1.12	4.79	13.0	26.1	39.1	53.7	70.3	88.0	111	145	239	518	978	1428	1768	1883	1935	1924	1813
45	1.12	4.34	11.4	22.4	34.3	46.3	60.1	74.4	89.0	109	131	160	252	446	702	823	865	859	737
50	1.12	3.85	9.74	18.8	29.3	39.3	50.6	61.7	73.5	85.5	99.0	112	126	146	160	188	180	170	148
55	1.12	3.33	7.94	15.6	23.9	32.4	41.3	50.4	59.0	68.4	77.2	84.2	91.1	98.2	101	104	104	103	99.5
60	1.12	2.78	6.03	12.3	18.4	25.6	32.4	39.4	45.8	52.0	58.4	62.4	65.8	69.0	70.2	69.5	70.0	70.9	70.4
65	1.12	2.51	4.94	9.14	14.0	18.5	24.0	28.7	32.9	37.4	41.0	43.4	44.9	45.9	47.0	46.6	46.6	46.6	45.9
70	1.12	2.22	3.81	5.80	9.56	12.7	15.6	19.1	21.5	23.6	25.6	27.7	28.6	29.3	29.5	29.0	28.8	28.4	27.6
75	1.12	1.93	2.67	4.08	5.31	7.55	9.03	10.7	12.2	13.4	14.1	14.6	15.0	15.2	14.9	14.1	13.4	12.5	11.4
80	1.12	1.63	2.06	2.45	3.19	3.75	4.15	4.84	5.11	4.97	5.17	5.52	5.43	5.25	4.86	4.26	3.94	3.55	3.08
85	1.12	1.33	1.50	1.63	1.69	1.69	1.62	1.71	1.69	1.56	1.54	1.47	1.33	1.20	1.03	0.83	0.77	0.69	0.62
90	1.12	1.03	0.94	0.85	0.79	0.74	0.68	0.66	0.64	0.62	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.55	0.55

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:23 June 2021

γ Range: 0 - 90DEG
 γ Interval: 2.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:7.700m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:218.27V I:2.3440A P:497.62W PF:0.9726 Freq:0Hz Lamp Flux:67721.4x1 lm																		
NAME: S05-150-500W-6500K-XY3030-768PCS-DL-Y16H1-90TYPE:														WEIGHT:				
SPEC.:							DIM.:							SERIAL No.:				
MFR.: EVERFINE							SUR.:							Shielding Angle:				

Table--2
UNIT: ×10cd

H(DEC) V(DEC)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	3.27	2.72	2.17	1.81	1.44	1.07	0.83	0.59	0.35	0.29	0.24	0.18	0.18	0.17	0.17	0.17	0.17	0.17	
-85	12.2	10.9	9.53	8.23	6.91	5.60	4.64	3.70	2.81	2.16	1.54	0.96	0.76	0.58	0.43	0.34	0.25	0.17	
-80	28.5	26.0	23.3	20.6	17.8	15.1	12.9	10.5	8.22	6.39	4.62	2.99	2.22	1.46	0.74	0.50	0.33	0.17	
-75	47.0	43.1	39.0	35.3	31.4	27.5	24.6	21.3	17.5	13.5	10.1	6.79	4.78	2.78	1.66	0.71	0.41	0.17	
-70	70.3	64.3	58.1	52.9	47.3	42.2	38.4	33.9	28.8	22.8	17.2	12.3	8.50	5.19	2.62	1.29	0.48	0.17	
-65	101	93.9	85.6	76.2	66.4	59.8	54.5	48.7	41.0	32.6	24.9	18.7	13.2	8.21	4.35	1.85	0.55	0.17	
-60	146	136	124	110	95.1	82.5	72.1	63.6	53.6	43.1	33.2	25.5	18.9	11.8	6.00	2.38	0.62	0.17	
-55	598	454	303	175	132	111	93.2	78.7	65.6	52.9	41.4	32.7	24.4	16.2	8.58	3.41	0.87	0.17	
-50	1653	1434	1097	690	346	178	120	97.8	79.0	63.3	50.0	39.9	29.9	20.6	11.1	4.38	1.10	0.17	
-45	2522	2355	2089	1700	1186	590	217	126	96.8	74.6	59.7	46.9	35.3	24.6	13.9	5.28	1.31	0.17	
-40	3026	2912	2708	2387	1994	1449	740	232	121	90.3	70.3	53.9	40.5	28.6	16.6	6.28	1.50	0.17	
-35	3347	3260	3106	2881	2563	2096	1408	592	162	109	81.6	61.7	45.5	32.6	19.1	7.66	1.68	0.17	
-30	3549	3487	3377	3208	2945	2540	1956	1091	299	127	93.1	69.3	51.0	36.4	21.5	8.90	1.83	0.17	
-25	3676	3635	3554	3430	3212	2866	2329	1590	632	157	105	77.0	55.9	40.0	23.9	9.99	1.95	0.17	
-20	3754	3726	3676	3577	3391	3085	2639	1969	1009	197	114	83.3	60.8	43.1	26.0	10.9	2.05	0.17	
-15	3803	3791	3753	3672	3511	3257	2864	2244	1308	327	119	87.9	64.8	45.9	27.7	11.7	2.13	0.17	
-10	3834	3835	3804	3736	3604	3371	2995	2403	1509	435	121	90.7	68.0	48.1	29.1	12.2	2.19	0.17	
-5	3868	3868	3846	3784	3660	3435	3075	2498	1627	479	122	92.0	70.3	49.8	30.1	12.6	2.22	0.17	
0	3911	3902	3874	3807	3684	3455	3098	2520	1649	469	120	92.0	71.7	50.9	30.7	12.7	2.22	0.17	
5	3775	3714	3639	3541	3412	3169	2784	2174	1294	365	114	86.6	67.5	48.1	29.1	12.2	2.17	0.17	
10	3761	3680	3585	3437	3211	2864	2391	1734	873	251	106	80.3	62.4	44.9	27.1	11.4	2.09	0.17	
15	3699	3611	3465	3295	3029	2637	2086	1277	421	159	95.5	73.2	56.8	41.1	24.7	10.5	2.00	0.17	
20	3575	3469	3299	3051	2747	2283	1666	836	227	118	82.9	65.3	50.8	37.0	22.1	9.50	1.89	0.17	
25	3364	3225	3021	2721	2316	1806	1095	407	140	101	72.9	56.7	44.5	32.6	19.2	8.35	1.76	0.17	
30	3016	2835	2581	2212	1716	1087	466	165	113	85.6	64.7	49.3	38.2	28.0	16.2	7.12	1.62	0.17	
35	2468	2191	1909	1442	891	354	162	117	91.7	72.7	56.9	43.3	31.7	23.2	13.3	5.82	1.46	0.17	
40	1543	1176	883	568	279	145	113	92.9	75.4	61.5	48.4	36.6	26.8	18.3	10.9	4.47	1.30	0.17	
45	579	374	229	154	123	103	86.7	72.4	61.0	50.5	39.2	30.1	21.7	13.9	8.45	3.58	1.13	0.17	
50	137	123	112	100	87.2	75.6	64.7	55.8	47.6	38.6	30.4	23.4	16.4	10.00	6.21	2.84	0.96	0.17	
55	93.6	86.0	77.9	69.1	60.9	54.7	48.2	40.5	34.4	28.2	22.3	16.8	11.6	7.18	4.30	2.12	0.78	0.17	
60	65.6	59.7	53.8	49.0	44.0	39.0	33.4	27.8	23.4	19.2	14.6	10.7	7.38	4.57	2.55	1.42	0.60	0.17	
65	42.4	38.4	34.6	32.0	28.5	24.9	21.0	17.1	13.9	11.1	8.29	5.99	4.28	2.77	1.72	1.14	0.55	0.17	
70	25.0	22.1	19.2	17.5	15.3	12.8	10.6	8.10	6.41	5.03	3.97	2.80	2.21	1.51	0.97	0.87	0.50	0.17	
75	10.1	8.67	7.23	6.49	5.58	4.52	3.61	2.93	2.29	1.90	1.55	1.08	1.08	0.81	0.75	0.62	0.45	0.17	
80	2.66	2.21	1.75	1.56	1.36	1.15	0.96	0.75	0.68	0.72	0.69	0.61	0.65	0.65	0.60	0.54	0.40	0.17	
85	0.61	0.60	0.59	0.59	0.58	0.58	0.58	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.48	0.35	0.17	
90	0.54	0.53	0.53	0.53	0.52	0.52	0.52	0.52	0.52	0.53	0.53	0.54	0.54	0.55	0.56	0.43	0.30	0.17	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:23 June 2021

γ Range: 0 - 90DEG
 γ Interval: 2.5DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.404.6
 Humidity:65.0%
 Test Distance:7.700m [K=1.0000]
 Remarks: