

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	555.3 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	7.0 degrees horizontal

Beam Spread	At 10% of Imax	102.7V x 104.2H
	At 50% of Imax	87.0V x 89.8H
	At 90% of Imax	61.1V x 60.5H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	928.7 lumens per klm.
	To 50% of Imax	835.5 lumens per klm.
	To 90% of Imax	457.4 lumens per klm.

Upward LOR	2.3 %
Downward LOR	97.7 %

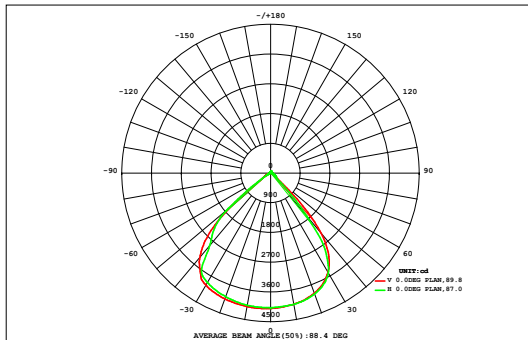
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2024-12-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.250m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:218.64V I:0.2441A P:51.161W PF:0.9588 Freq:49.99Hz Lamp Flux:7396.61x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:144.58lm/W	
MODEL		Imax (cd)	4107
NOMINAL POWER (W)	50	AVAILABILITY (%)	93.0
RATED VOLTAGE (V)	220	Avai. FLUX (lm)	6877
NOMINAL FLUX (lm)	7396.61	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	7397
TEST VOLTAGE (V)	220	θ @50% (H,V)	90,87DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.05	0.14	0.24	0.33	0.43	0.52	0.60	0.67	0.71	0.73	0.73	0.69	0.62	0.53	0.43	0.31	0.19	0.06	7.99	0.00
90	0.05	0.14	0.24	0.33	0.43	0.52	0.60	0.67	0.71	0.73	0.73	0.69	0.62	0.53	0.43	0.31	0.19	0.06	7.99	0.00
80	0.05	0.15	0.27	0.44	0.66	0.93	1.20	1.44	1.59	1.65	1.59	1.42	1.18	0.90	0.64	0.41	0.22	0.07	14.8	0.00
70	0.05	0.16	0.35	0.72	1.26	1.91	2.59	3.20	3.62	3.76	3.57	3.10	2.44	1.71	1.04	0.56	0.26	0.07	30.4	0.00
60	0.05	0.18	0.52	1.15	2.05	3.33	6.39	12.4	18.7	19.6	14.0	7.72	4.39	2.88	1.69	0.81	0.31	0.08	96.3	55.0
50	0.05	0.22	0.72	1.59	3.32	11.2	31.4	54.0	68.6	71.7	63.0	42.4	16.4	4.84	2.44	1.12	0.38	0.08	374	353
40	0.05	0.27	0.89	2.07	7.82	31.8	64.9	90.3	104	106	97.0	78.8	50.4	14.0	3.32	1.44	0.45	0.08	654	639
30	0.05	0.31	1.02	2.81	15.6	54.4	90.6	109	117	119	114	100	73.2	33.0	4.96	1.72	0.52	0.09	837	825
	0.05	0.33	1.11	3.45	23.9	70.1	99.7	114	121	122	118	108	85.8	48.0	7.91	1.95	0.57	0.09	926	915
	0.05	0.35	1.15	3.39	28.2	75.5	102	116	123	124	119	110	91.1	55.2	10.4	2.09	0.61	0.09	963	952
	0.05	0.35	1.14	3.03	26.3	74.1	102	116	123	123	119	109	89.6	53.3	10.1	2.08	0.60	0.09	952	942
	0.05	0.33	1.09	2.73	18.1	64.7	96.8	113	120	121	116	105	80.4	42.3	7.19	1.92	0.57	0.09	891	879
	0.05	0.30	0.98	2.33	8.29	42.2	81.5	103	112	113	108	91.0	60.9	25.6	4.47	1.69	0.52	0.09	756	743
-30	0.05	0.26	0.85	1.91	3.88	14.3	42.6	69.9	83.7	85.7	76.6	56.4	32.8	10.0	3.16	1.40	0.45	0.08	484	465
-40	0.05	0.21	0.69	1.47	2.70	4.49	8.90	17.1	22.6	25.8	26.2	19.9	9.73	4.21	2.31	1.09	0.37	0.08	148	110
-50	0.05	0.18	0.50	1.06	1.83	2.81	3.86	4.78	5.34	6.15	6.41	5.19	3.87	2.65	1.60	0.79	0.31	0.08	47.5	0.00
-60	0.05	0.16	0.34	0.68	1.14	1.65	2.17	2.62	2.90	3.04	3.00	2.68	2.18	1.58	1.00	0.55	0.25	0.07	26.1	0.00
-70	0.05	0.15	0.26	0.41	0.61	0.84	1.07	1.25	1.35	1.41	1.40	1.29	1.10	0.85	0.61	0.40	0.22	0.07	13.3	0.00
-80	0.05	0.15	0.25	0.34	0.43	0.51	0.58	0.64	0.68	0.70	0.70	0.67	0.62	0.53	0.43	0.32	0.19	0.06	7.84	0.00
-90	0.05	0.15	0.25	0.34	0.43	0.51	0.58	0.64	0.68	0.70	0.70	0.67	0.62	0.53	0.43	0.32	0.19	0.06	7.84	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.92	4.21	12.4	29.9	147	455	738	931	1030	1048	988	842	607	302	63.7	20.6	6.98	1.42	7229	---
Φ a	0.00	0.00	0.00	0.00	115	431	716	908	1008	1026	966	820	584	276	26.6	0.00	0.00	0.00	---	6877

one-half-peak spread: U:38.9,D:43.3 , L:48.8,R:41.2

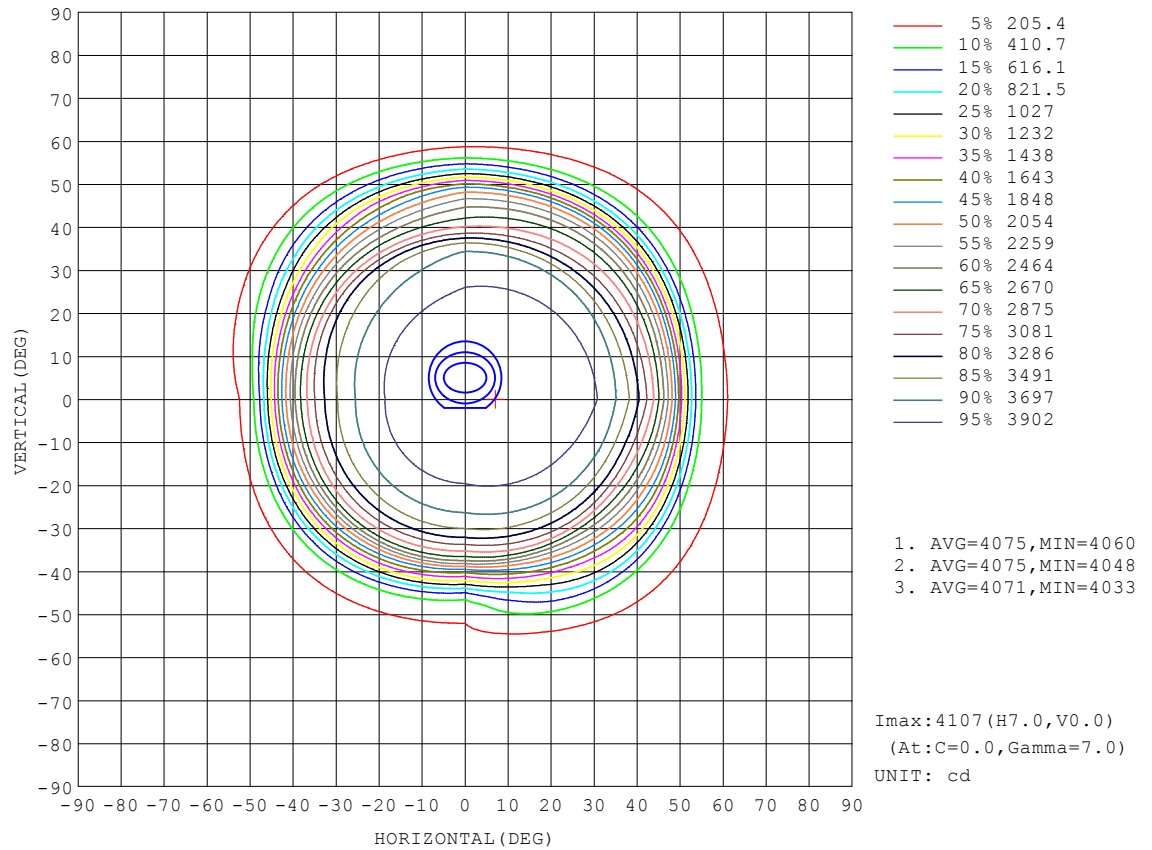
NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2024-12-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:218.64V I:0.2441A P:51.161W PF:0.9588 Freq:49.99Hz Lamp Flux:7396.61x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

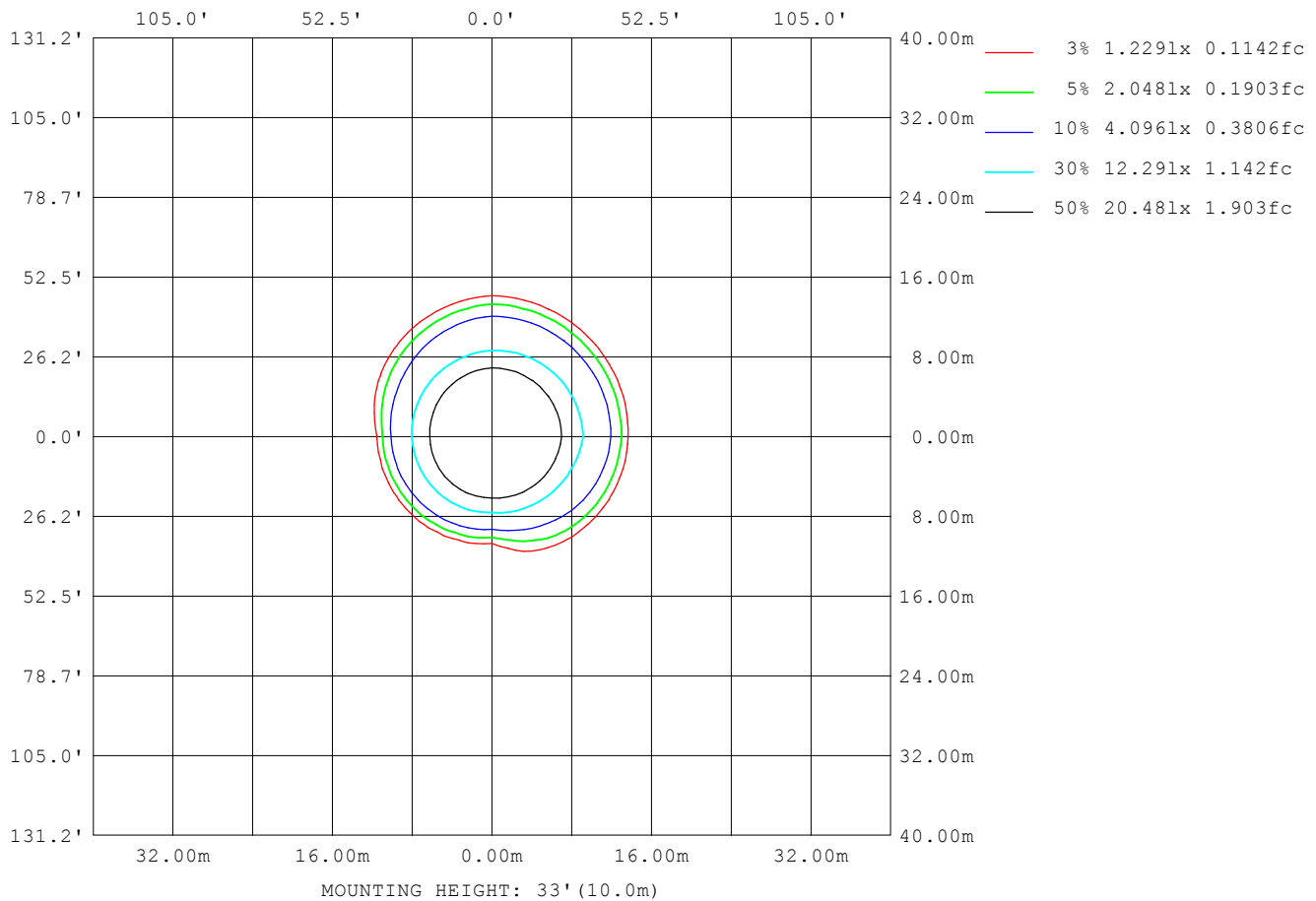


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Test Distance:9.250m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

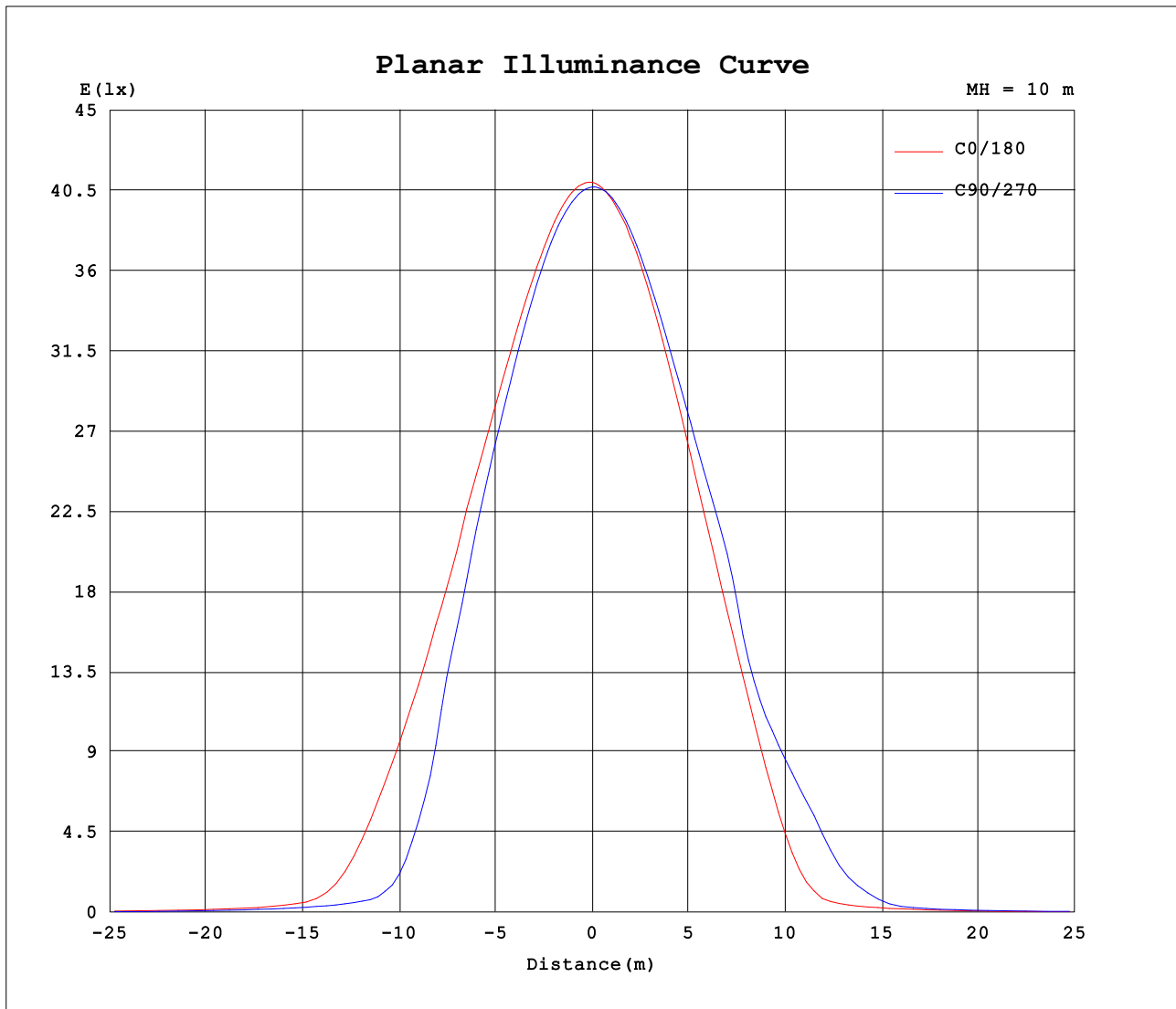
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Operators:Jason
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

Planar Illuminance Curve

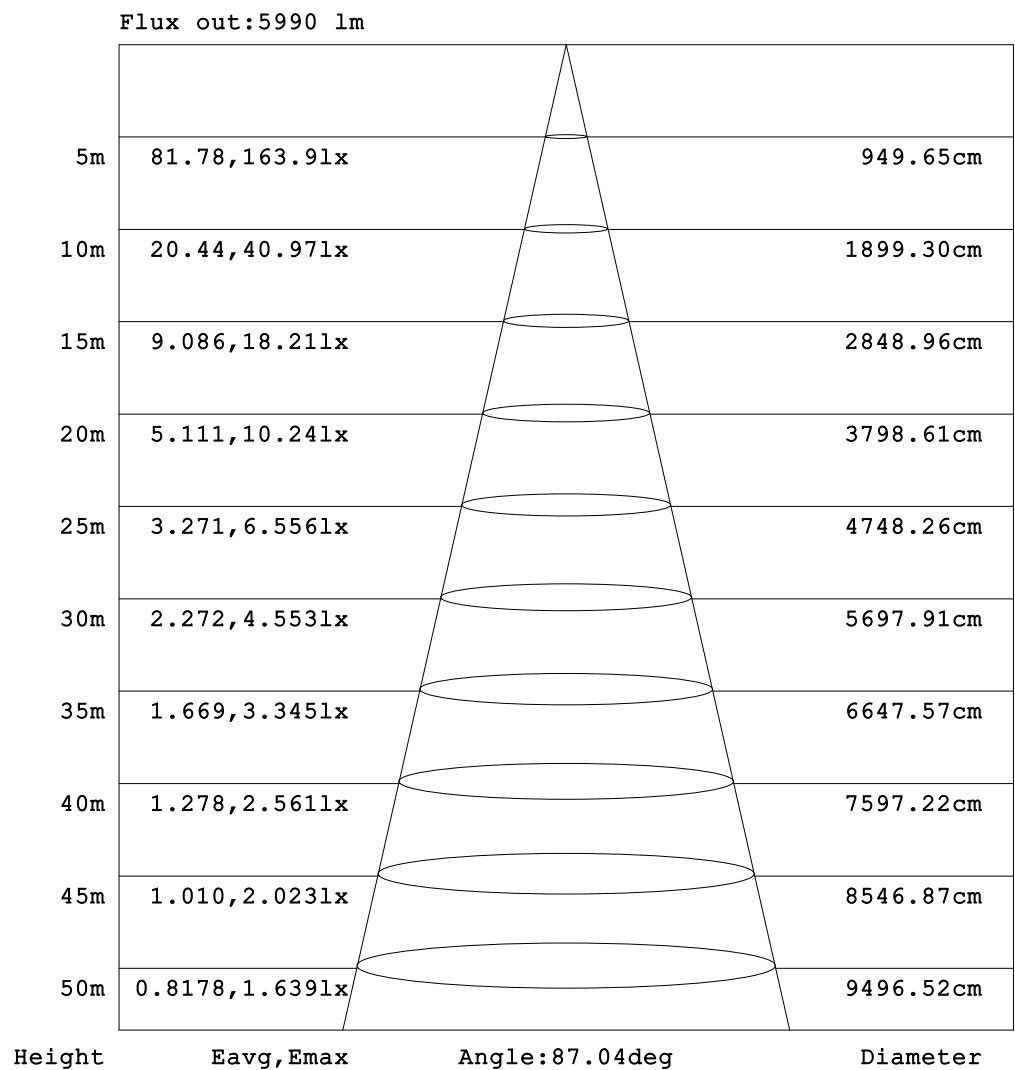


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2024-12-02

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.250m [K=1.0000]
Remarks:

AAI Figure

Test:U:218.64V I:0.2441A P:51.161W PF:0.9588 Freq:49.99Hz Lamp Flux:7396.61x1 lm		
NAME:	TYPE:	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: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2024-12-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:218.64V I:0.2441A P:51.161W PF:0.9588 Freq:49.99Hz Lamp Flux:7396.61x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	17.5	14.8	16.2	18.3	20.4	22.6	24.8	27.6	31.4	35.1	38.0	40.6	43.5	46.9	51.2	54.5	56.4	57.0	56.4
-170	17.5	14.8	16.2	18.2	20.3	22.4	24.6	27.2	30.7	34.2	37.0	39.5	42.3	45.4	48.8	51.8	53.6	54.3	54.0
-160	17.5	14.8	16.1	18.0	19.9	21.9	23.9	26.1	29.0	32.2	34.9	37.1	39.3	41.9	44.4	46.4	48.1	48.9	48.9
-150	17.5	14.8	15.9	17.6	19.3	21.1	22.9	24.6	26.7	29.3	31.9	33.9	35.6	37.1	38.6	40.1	41.4	42.2	42.5
-140	17.5	14.8	15.5	17.0	18.5	20.0	21.5	23.0	24.5	26.1	28.0	29.9	31.5	32.7	33.5	34.1	34.4	34.5	34.3
-130	17.5	14.7	15.2	16.4	17.6	18.8	20.0	21.1	22.3	23.4	24.4	25.5	26.6	27.6	28.5	29.2	29.6	29.8	29.7
-120	17.5	14.8	15.1	15.7	16.6	17.5	18.4	19.2	20.0	20.7	21.5	22.2	22.8	23.3	23.7	24.1	24.3	24.5	24.5
-110	17.5	15.3	14.9	15.3	15.6	16.3	16.9	17.5	18.0	18.5	18.9	19.3	19.6	19.9	20.1	20.3	20.4	20.5	20.5
-100	17.5	16.4	15.4	15.2	15.4	15.6	15.8	16.0	16.3	16.5	16.8	17.1	17.3	17.6	17.8	18.0	18.1	18.3	18.4
-90	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.0	19.1	19.2
-80	17.5	18.3	18.8	19.2	19.4	19.6	19.9	20.2	20.8	21.6	22.4	23.4	24.3	25.3	26.3	27.1	27.9	28.4	28.9
-70	17.5	18.8	19.2	19.5	20.1	21.8	24.5	28.4	33.3	38.9	44.3	48.6	52.5	56.0	59.1	61.7	63.6	64.9	65.4
-60	17.5	19.0	19.3	20.4	23.8	30.6	40.7	49.8	58.4	67.1	76.5	86.5	96.7	106	115	123	129	133	135
-50	17.5	19.1	19.5	22.9	32.0	46.3	58.2	71.0	86.2	103	122	141	159	177	197	214	229	237	236
-40	17.5	19.1	20.2	27.3	44.0	58.6	75.0	95.2	119	146	178	230	383	672	1042	1373	1589	1704	1705
-30	17.5	19.1	21.2	32.5	51.6	69.6	91.7	119	153	208	427	1045	1777	2435	2906	3172	3362	3461	3493
-20	17.5	19.1	22.1	38.0	57.8	78.7	106	141	196	467	1344	2255	2954	3356	3598	3742	3828	3875	3893
-10	17.5	19.1	22.8	41.8	61.5	84.5	115	156	255	977	2093	2904	3370	3647	3817	3923	3989	4020	4033
0	17.5	19.1	22.9	43.1	62.7	86.1	117	161	295	1260	2382	3075	3470	3717	3870	3971	4033	4068	4096
10	17.5	19.1	22.9	42.0	62.2	85.8	117	180	371	1181	2262	3026	3451	3695	3849	3948	4010	4042	4060
20	17.5	19.1	22.3	38.3	58.9	81.0	109	159	329	834	1767	2581	3215	3534	3718	3836	3909	3954	3980
30	17.5	19.1	21.4	32.9	52.9	72.6	96.4	127	213	466	1022	1758	2391	2907	3366	3585	3701	3776	3825
40	17.5	19.1	20.5	27.8	45.0	61.3	80.0	102	130	194	403	774	1312	1796	2196	2473	2671	2813	2889
50	17.5	19.0	19.8	23.6	32.8	48.1	62.0	77.6	95.2	115	138	179	298	501	733	1019	1302	1523	1668
60	17.5	18.9	19.5	20.9	24.7	31.8	42.5	53.3	64.2	76.1	87.8	100	113	125	137	148	158	167	172
70	17.5	18.6	19.1	19.7	20.9	23.0	26.1	30.2	35.3	41.3	48.2	54.2	59.6	64.9	70.1	74.8	78.8	81.8	83.7
80	17.5	18.2	18.6	18.9	19.3	19.8	20.4	21.3	22.3	23.4	24.7	26.1	27.4	28.7	30.0	31.2	32.2	33.1	33.8
90	17.5	17.4	17.3	17.2	17.2	17.1	17.0	16.9	16.8	16.8	16.7	16.6	16.5	16.5	16.4	16.3	16.2	16.2	16.1
100	17.5	16.2	15.0	14.6	14.5	14.5	14.4	14.4	14.4	14.5	14.6	14.6	14.7	14.7	14.7	14.7	14.6	14.5	14.5
110	17.5	15.1	14.6	14.6	14.8	15.2	15.6	16.0	16.4	16.8	17.1	17.4	17.7	17.8	17.9	18.0	18.0	17.9	17.7
120	17.5	14.6	14.6	15.1	15.8	16.6	17.4	18.2	18.9	19.5	19.9	20.3	20.6	20.9	21.1	21.2	21.2	21.1	20.9
130	17.5	14.5	14.9	15.9	17.0	18.1	19.2	20.2	21.1	21.9	22.8	23.5	24.3	24.9	25.3	25.5	25.6	25.4	25.0
140	17.5	14.6	15.3	16.6	18.0	19.5	20.8	22.1	23.4	24.7	26.2	27.7	29.0	30.1	31.0	31.8	32.1	32.1	31.8
150	17.5	14.7	15.6	17.2	18.9	20.6	22.2	23.9	25.7	28.0	30.3	32.4	34.3	35.8	36.9	37.7	38.1	38.1	37.7
160	17.5	14.7	16.0	17.8	19.7	21.6	23.5	25.5	28.2	31.2	34.0	36.4	38.4	40.2	41.9	43.5	44.5	44.6	43.8
170	17.5	14.7	16.2	18.1	20.2	22.3	24.3	26.9	30.3	33.7	36.6	39.1	41.5	44.2	47.3	50.0	51.6	52.1	51.4
180	17.5	14.8	16.2	18.3	20.4	22.6	24.8	27.6	31.4	35.1	38.0	40.6	43.5	46.9	51.2	54.5	56.4	57.0	56.0

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NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:					Shielding Angle:				

Table--2

UNIT: cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	54.4	52.1	49.2	46.0	42.6	39.1	34.9	31.5	28.9	26.3	23.8	21.6	19.6	18.0	17.0	17.8	20.3	23.8	
-170	53.0	51.0	48.3	45.3	42.1	38.5	34.4	31.3	28.8	26.2	23.8	21.6	19.6	18.0	17.0	17.9	20.4	23.8	
-160	48.1	46.6	44.6	42.3	39.1	35.5	32.5	30.1	27.8	25.4	23.2	21.1	19.3	17.8	17.1	18.1	20.5	23.8	
-150	41.7	40.4	38.4	36.3	34.1	32.0	30.2	28.2	26.1	24.1	22.1	20.4	18.8	17.6	17.1	18.5	20.6	23.8	
-140	34.0	33.3	32.4	31.4	30.3	28.9	27.3	25.6	23.9	22.3	20.8	19.4	18.1	17.3	17.4	19.0	20.9	23.8	
-130	29.4	28.9	28.1	27.3	26.3	25.1	23.9	22.7	21.6	20.4	19.3	18.3	17.6	17.3	18.1	19.5	21.2	23.8	
-120	24.3	23.9	23.5	22.9	22.3	21.7	20.9	20.1	19.3	18.7	18.1	17.6	17.5	18.0	19.0	20.1	21.5	23.8	
-110	20.4	20.1	19.9	19.6	19.3	19.0	18.6	18.3	18.0	17.8	17.8	18.1	18.5	19.2	19.9	20.9	22.1	23.8	
-100	18.4	18.3	18.3	18.2	18.2	18.3	18.3	18.4	18.6	18.9	19.2	19.6	20.0	20.5	21.1	21.9	22.8	23.8	
-90	19.5	19.8	20.0	20.3	20.5	20.8	21.0	21.3	21.5	21.8	22.0	22.3	22.6	22.8	23.1	23.3	23.6	23.8	
-80	29.7	30.3	30.7	30.9	30.8	30.6	30.3	29.9	29.4	28.8	28.3	27.7	27.5	26.7	25.8	25.0	24.4	23.8	
-70	67.7	69.2	69.8	69.4	68.0	65.6	62.3	58.1	53.4	48.2	43.5	39.1	35.0	31.9	29.4	27.5	25.3	23.8	
-60	139	142	141	138	133	125	116	107	95.8	84.6	72.8	60.9	49.6	41.0	34.2	29.9	26.4	23.8	
-50	324	385	400	362	292	232	203	175	152	131	110	90.2	71.1	53.6	41.0	32.6	27.6	23.8	
-40	1788	1765	1665	1484	1273	1068	750	393	242	188	153	122	94.6	69.4	48.8	35.6	28.9	23.8	
-30	3512	3472	3356	3166	2829	2363	1899	1395	716	287	201	155	118	84.8	56.7	38.8	29.7	23.8	
-20	3906	3896	3861	3795	3664	3383	2916	2359	1637	679	266	185	138	98.0	64.5	41.6	30.2	23.8	
-10	4045	4040	4018	3978	3909	3786	3483	2994	2306	1239	350	209	152	107	69.9	43.7	30.6	23.8	
0	4106	4101	4080	4053	4003	3920	3701	3336	2686	1548	413	222	159	112	72.3	44.6	30.8	23.8	
10	4067	4061	4043	4011	3958	3867	3605	3163	2510	1355	375	211	153	108	70.1	43.8	30.6	23.8	
20	3985	3977	3956	3915	3843	3644	3243	2782	2004	812	284	188	140	99.1	64.8	41.8	30.3	23.8	
30	3827	3811	3769	3627	3301	2978	2612	1990	974	347	208	159	121	86.1	57.2	39.0	29.8	23.8	
40	2897	2847	2766	2638	2397	1997	1295	618	290	199	160	127	97.3	70.5	49.4	35.9	28.9	23.8	
50	1611	1458	1205	899	616	372	241	191	164	140	117	94.0	72.9	54.4	41.6	32.9	27.6	23.8	
60	173	171	166	159	151	142	130	118	105	90.3	76.3	62.6	50.8	41.9	34.8	30.0	26.3	23.8	
70	84.7	84.5	83.0	80.4	76.8	72.7	67.9	62.0	55.9	50.3	45.4	40.7	36.2	32.6	29.7	27.5	25.2	23.8	
80	34.3	34.6	34.7	34.6	34.2	33.7	33.0	32.1	31.2	30.3	29.3	28.3	27.6	26.5	25.5	24.8	24.3	23.8	
90	16.5	16.9	17.4	17.8	18.2	18.7	19.1	19.5	20.0	20.4	20.8	21.2	21.7	22.1	22.5	23.0	23.4	23.8	
100	14.6	14.8	15.0	15.2	15.4	15.6	15.9	16.2	16.6	17.0	17.5	18.2	18.9	19.7	20.5	21.5	22.6	23.8	
110	17.7	17.7	17.6	17.4	17.2	17.0	16.7	16.5	16.3	16.2	16.4	16.8	17.5	18.3	19.3	20.5	21.9	23.8	
120	20.9	20.8	20.6	20.3	19.9	19.5	19.0	18.6	18.1	17.5	17.0	16.6	16.6	17.2	18.4	19.7	21.4	23.8	
130	25.0	24.9	24.5	24.1	23.5	22.8	22.0	21.1	20.1	19.2	18.4	17.6	16.9	16.7	17.6	19.1	21.0	23.8	
140	31.6	31.0	30.2	29.0	27.7	26.4	25.1	23.8	22.5	21.2	19.8	18.7	17.6	16.9	17.0	18.7	20.7	23.8	
150	37.7	37.1	36.1	34.6	32.8	30.7	28.6	26.7	24.8	23.1	21.4	19.7	18.4	17.2	16.8	18.3	20.5	23.8	
160	43.8	43.0	41.6	39.7	37.4	34.6	31.8	29.2	26.9	24.6	22.6	20.7	19.0	17.6	16.9	18.0	20.4	23.8	
170	50.8	49.0	46.5	43.9	41.0	37.7	34.0	30.9	28.3	25.8	23.5	21.3	19.4	17.9	16.9	17.8	20.3	23.8	
180	54.4	52.1	49.2	46.0	42.6	39.1	34.9	31.5	28.9	26.3	23.8	21.6	19.6	18.0	17.0	17.8	20.3	23.8	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2024-12-02

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks: