

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	779.7 cd per klm.
(Luminaire orientation as tested.)	-4.0 degrees vertical
	-4.0 degrees horizontal

Beam Spread	At 10% of Imax	116.9V x 116.8H
	At 50% of Imax	61.1V x 60.7H
	At 90% of Imax	24.2V x 23.6H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	892.4 lumens per klm.
	To 50% of Imax	481.1 lumens per klm.
	To 90% of Imax	98.2 lumens per klm.

Upward LOR	2.2 %
Downward LOR	97.8 %

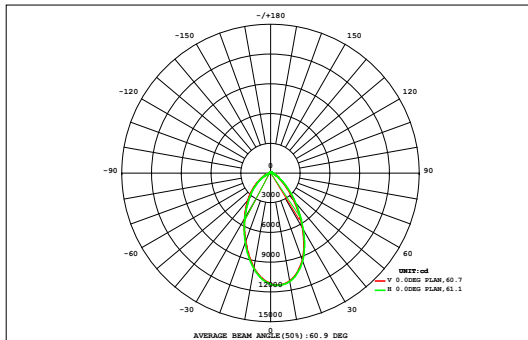
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-05-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.250m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:218.73V I:0.4682A P:100.81W PF:0.9843 Freq:49.99Hz Lamp Flux:14757.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:146.39lm/W	
MODEL	FL02	Imax (cd)	11506
NOMINAL POWER (W)	100W	AVAILABILITY (%)	89.2
RATED VOLTAGE (V)		Avai. FLUX (lm)	13165
NOMINAL FLUX (lm)	14757.2	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	14757
TEST VOLTAGE (V)	0	θ @50% (H,V)	61,61DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.07	0.22	0.40	0.63	0.91	1.27	1.66	2.01	2.27	2.40	2.36	2.18	1.89	1.52	1.11	0.73	0.40	0.13	22.2	0.00
90	0.07	0.30	0.78	1.64	2.88	4.49	6.19	7.68	8.70	9.02	8.60	7.54	6.05	4.36	2.74	1.46	0.62	0.15	73.3	0.00
80	0.08	0.48	1.59	3.69	6.74	10.6	14.8	18.6	21.1	21.7	20.3	17.2	13.3	9.08	5.35	2.60	0.93	0.18	168	0.00
70	0.10	0.74	2.71	6.49	12.2	19.9	29.1	37.8	43.6	44.7	40.9	33.5	24.5	15.7	8.76	4.02	1.32	0.21	326	175
60	0.11	1.04	3.99	9.86	19.6	34.1	52.2	69.1	79.3	80.2	72.2	57.8	40.8	24.7	12.9	5.60	1.73	0.24	566	496
50	0.13	1.35	5.29	13.7	29.3	54.0	84.5	112	127	126	110	86.5	60.2	35.7	17.6	7.22	2.13	0.28	874	826
40	0.15	1.62	6.48	17.6	40.4	78.2	125	170	193	186	157	117	79.5	46.7	22.4	8.72	2.48	0.31	1253	1215
30	0.16	1.82	7.39	21.0	50.8	103	172	235	264	252	205	148	96.4	55.8	26.3	9.90	2.74	0.33	1650	1618
20	0.17	1.92	7.89	22.9	57.6	121	209	286	322	307	243	169	107	61.1	28.6	10.6	2.88	0.34	1958	1928
10	0.17	1.92	7.88	22.9	57.9	124	216	302	343	323	255	176	110	61.8	28.7	10.6	2.88	0.34	2044	2014
0	0.16	1.81	7.38	20.9	51.4	108	190	271	313	297	238	165	103	57.3	26.5	9.92	2.74	0.33	1863	1831
-10	0.15	1.61	6.46	17.5	40.6	82.3	142	203	240	233	190	135	86.1	48.1	22.5	8.74	2.49	0.31	1460	1423
-20	0.13	1.35	5.27	13.6	29.1	55.2	91.7	130	154	153	129	97.1	64.1	36.5	17.7	7.25	2.14	0.28	987	939
-30	0.12	1.04	3.96	9.80	19.4	33.8	53.1	72.9	86.4	88.0	77.8	60.9	42.1	25.0	13.0	5.63	1.74	0.25	595	524
-40	0.10	0.74	2.68	6.44	12.1	19.7	28.8	37.6	43.8	45.1	41.4	33.8	24.7	15.9	8.83	4.05	1.33	0.21	327	175
-50	0.09	0.48	1.58	3.64	6.65	10.5	14.6	18.3	20.8	21.5	20.2	17.3	13.4	9.19	5.40	2.63	0.95	0.18	167	0.00
-60	0.08	0.32	0.81	1.66	2.86	4.40	6.04	7.49	8.47	8.82	8.49	7.50	6.08	4.44	2.80	1.50	0.63	0.15	72.5	0.00
-70	0.08	0.26	0.48	0.77	1.10	1.43	1.75	2.04	2.24	2.36	2.38	2.25	1.99	1.64	1.19	0.78	0.42	0.13	23.3	0.00
-80	0.08	0.26	0.48	0.77	1.10	1.43	1.75	2.04	2.24	2.36	2.38	2.25	1.99	1.64	1.19	0.78	0.42	0.13	23.3	0.00
-90	0.08	0.26	0.48	0.77	1.10	1.43	1.75	2.04	2.24	2.36	2.38	2.25	1.99	1.64	1.19	0.78	0.42	0.13	23.3	0.00
HORIZONTAL (DEG)																				
Φ t	2.11	19.0	73.0	195	442	866	1438	1983	2273	2201	1820	1335	881	515	252	102	30.6	4.32	14431	---
Φ a	0.00	0.00	0.00	70.8	352	782	1358	1905	2195	2122	1743	1258	802	429	148	0.00	0.00	0.00	---	13165

one-half-peak spread: U:29.4,D:32.2 , L:28.9,R:32.3

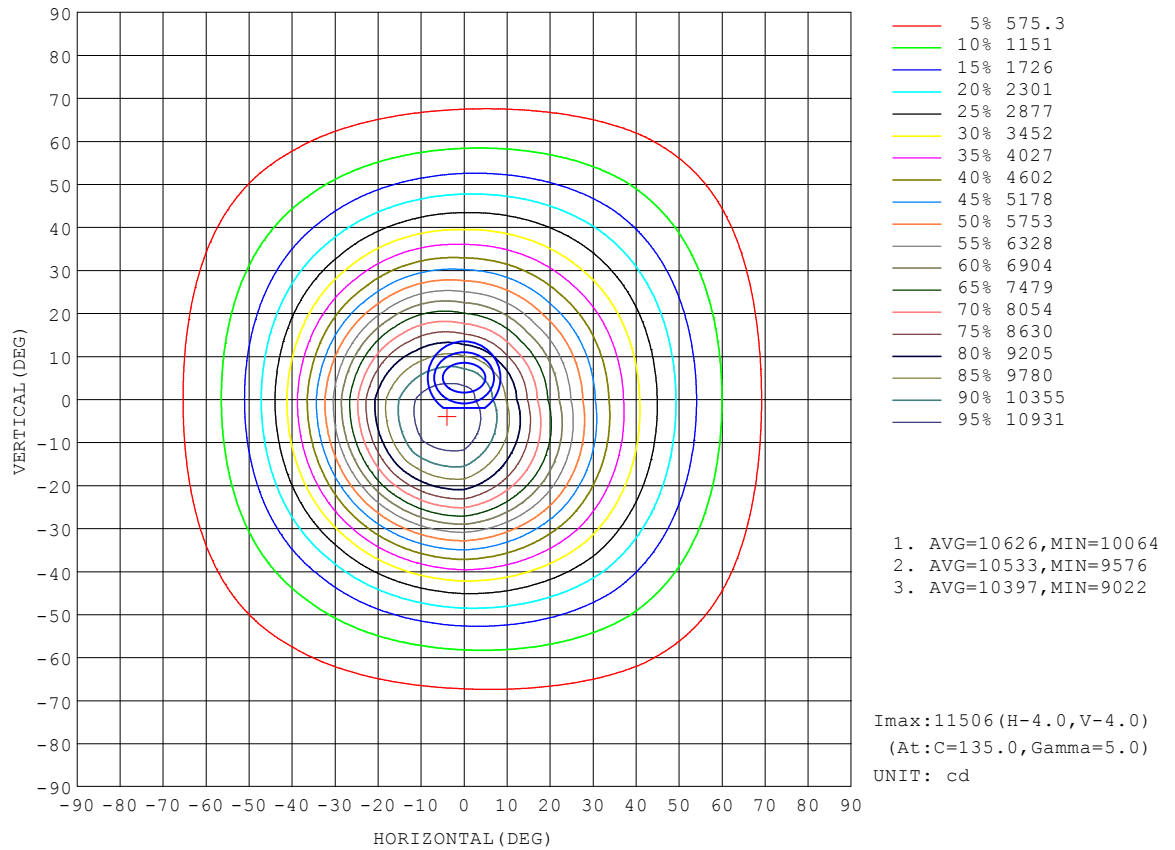
NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-05-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:218.73V I:0.4682A P:100.81W PF:0.9843 Freq:49.99Hz Lamp Flux:14757.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

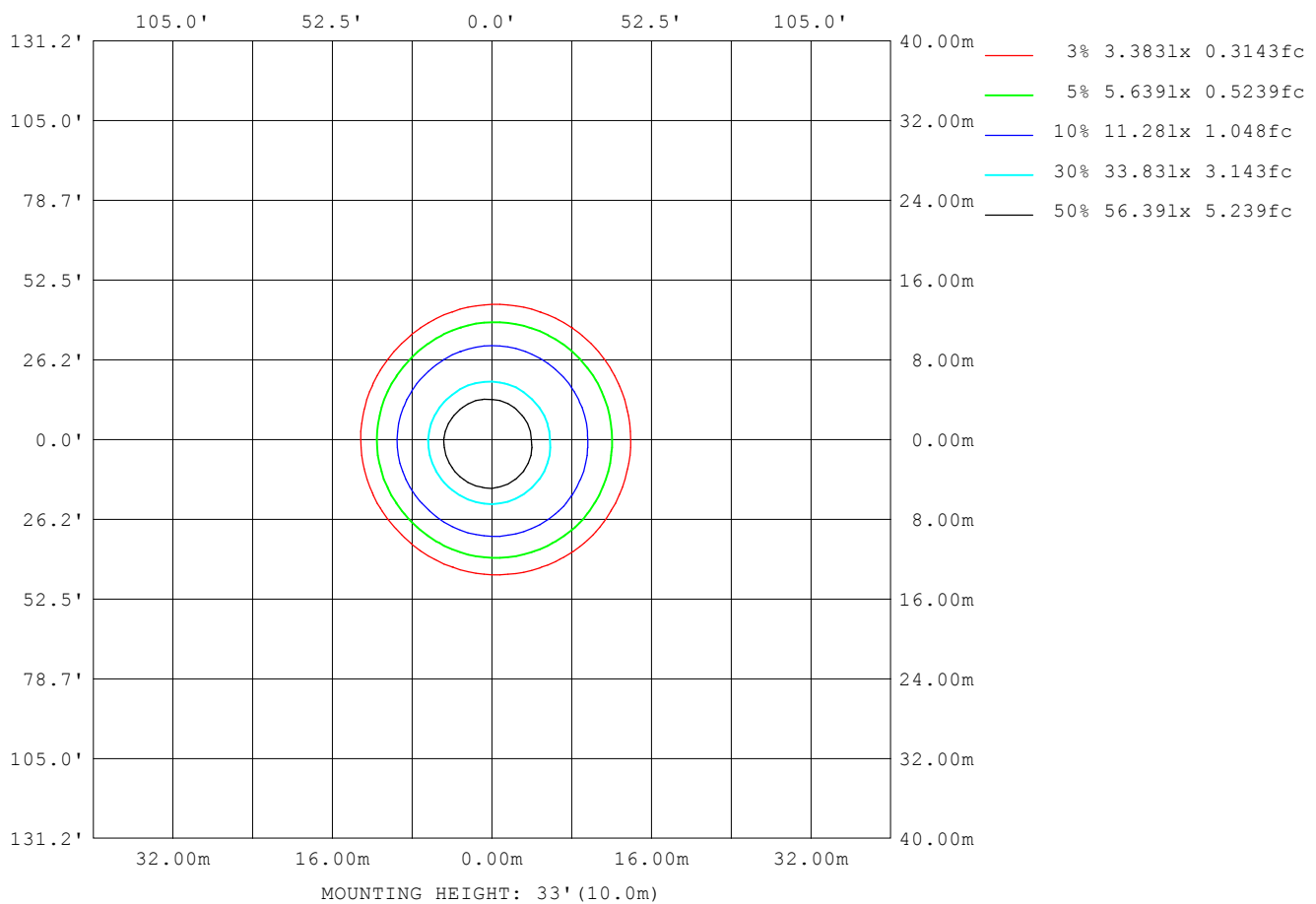


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Remarks:

ISOLUX DIAGRAM

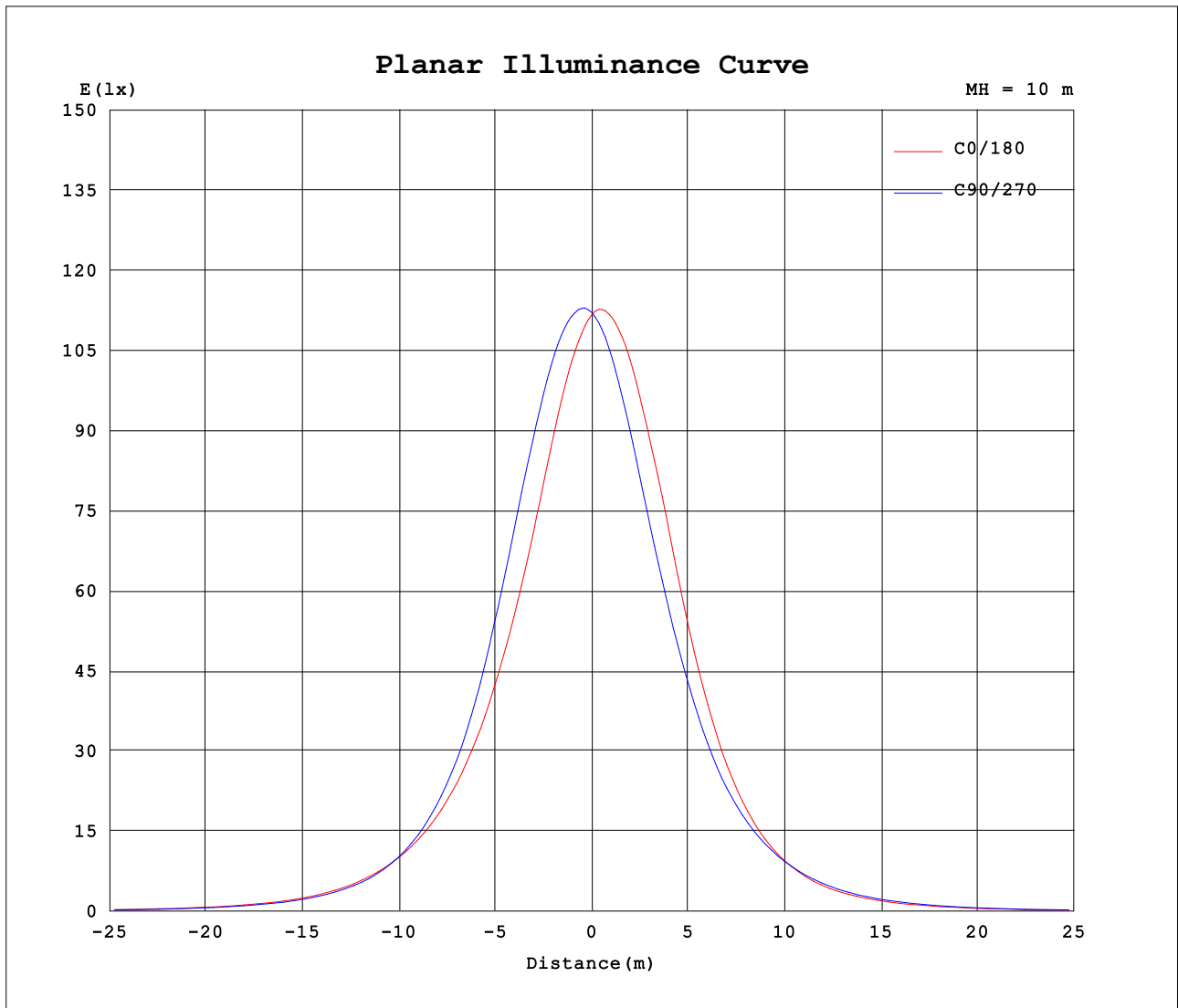
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Remarks:

Planar Illuminance Curve



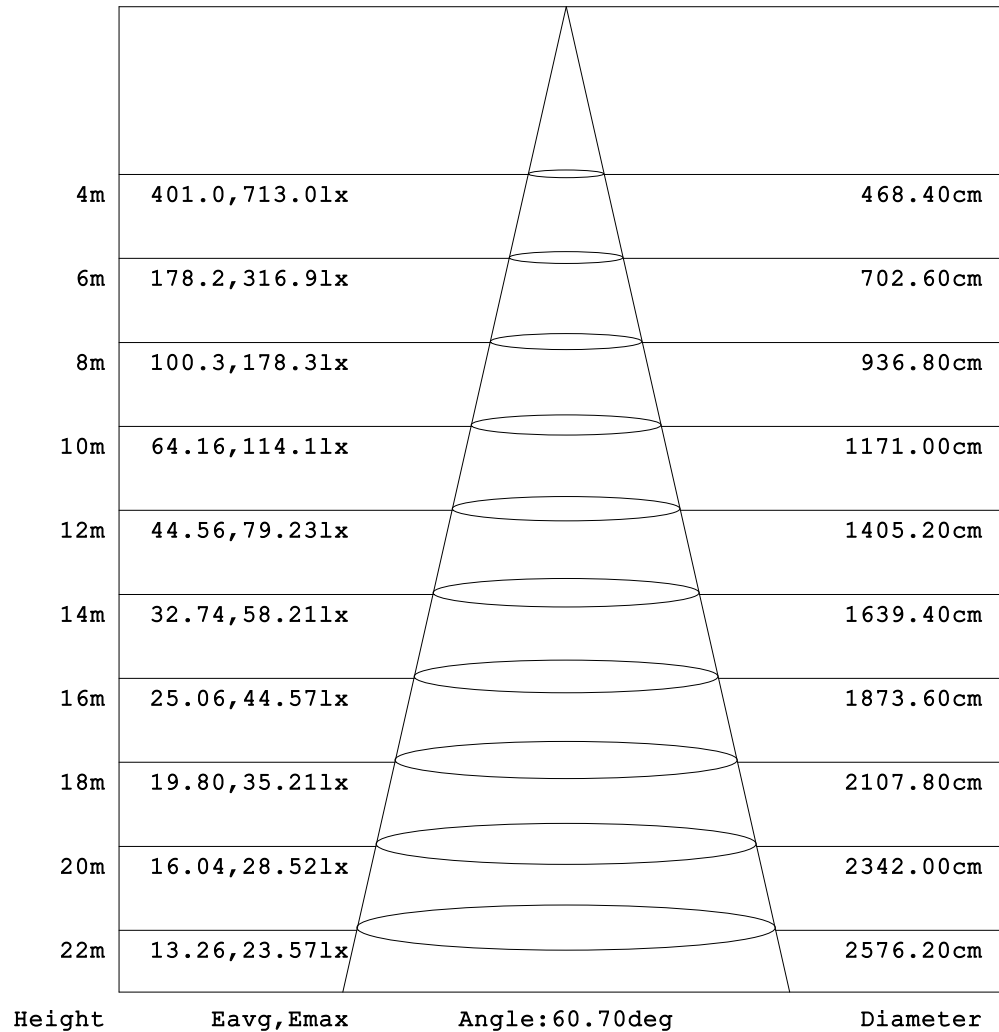
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Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.250m [K=1.0000]
Remarks:

AAI Figure

Test:U:218.73V I:0.4682A P:100.81W PF:0.9843 Freq:49.99Hz Lamp Flux:14757.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:7278 lm



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

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
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 Operators: DAMIN
 Test Date: 2024-05-29

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 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 9.250m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:218.73V I:0.4682A P:100.81W PF:0.9843 Freq:49.99Hz Lamp Flux:14757.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: ×10cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	2.68	2.85	3.08	3.35	3.68	4.06	4.51	5.03	5.62	6.25	6.92	7.61	8.32	9.01	9.66	10.2	10.7	10.9	11.0
-170	2.68	2.87	3.09	3.35	3.66	4.01	4.41	4.88	5.41	5.97	6.57	7.18	7.79	8.37	8.89	9.28	9.50	9.88	10.1
-160	2.68	2.88	3.10	3.33	3.60	3.90	4.24	4.63	5.06	5.53	6.01	6.49	6.97	7.40	7.77	8.12	8.38	8.59	8.65
-150	2.68	2.89	3.09	3.30	3.52	3.76	4.03	4.32	4.64	4.98	5.33	5.68	6.00	6.33	6.73	7.07	7.32	7.45	7.50
-140	2.68	2.89	3.08	3.26	3.44	3.62	3.81	4.01	4.22	4.44	4.66	4.87	5.12	5.39	5.64	5.86	6.04	6.15	6.20
-130	2.68	2.88	3.06	3.22	3.36	3.50	3.62	3.75	3.87	3.99	4.10	4.23	4.39	4.54	4.68	4.80	4.90	4.96	4.98
-120	2.68	2.88	3.04	3.18	3.30	3.40	3.50	3.57	3.64	3.69	3.74	3.80	3.86	3.92	3.98	4.03	4.07	4.10	4.11
-110	2.68	2.87	3.03	3.17	3.28	3.37	3.44	3.51	3.56	3.61	3.62	3.62	3.63	3.63	3.64	3.65	3.65	3.65	3.65
-100	2.68	2.86	3.02	3.16	3.29	3.40	3.50	3.59	3.67	3.74	3.73	3.72	3.71	3.70	3.69	3.68	3.68	3.68	3.68
-90	2.68	2.84	3.01	3.18	3.34	3.51	3.67	3.84	4.01	4.17	4.18	4.19	4.21	4.22	4.23	4.24	4.25	4.26	4.27
-80	2.68	2.83	3.05	3.37	3.81	4.39	5.04	5.80	6.60	7.40	8.35	9.32	10.3	11.3	12.2	13.0	13.7	14.2	14.6
-70	2.68	2.87	3.45	4.63	6.36	8.56	11.2	14.1	17.3	20.5	24.1	27.9	31.5	35.0	38.1	40.8	43.0	44.6	45.6
-60	2.68	2.98	4.37	7.08	11.0	15.8	21.5	27.9	34.8	42.1	49.8	58.0	66.3	74.3	81.8	88.6	94.3	98.4	101
-50	2.68	3.17	5.71	10.3	16.8	24.9	34.5	45.4	57.6	71.1	85.8	102	121	141	160	177	192	202	208
-40	2.68	3.43	7.19	13.9	23.2	34.7	48.7	65.4	85.3	109	138	172	211	253	295	333	364	385	394
-30	2.68	3.72	8.63	17.3	29.1	44.2	63.1	86.9	118	158	209	271	341	418	494	562	615	649	661
-20	2.68	3.95	9.82	20.0	34.0	52.1	75.7	107	151	211	288	382	490	607	724	825	897	937	945
-10	2.68	4.08	10.6	21.8	37.2	57.4	84.6	123	177	252	349	469	606	751	892	1007	1086	1113	1111
0	2.68	4.11	10.8	22.4	38.3	59.2	87.7	128	187	268	373	500	646	796	938	1038	1107	1132	1118
10	2.68	4.07	10.6	21.8	37.2	57.5	84.8	123	177	250	343	452	574	700	817	904	957	989	979
20	2.68	3.93	9.82	20.1	34.0	52.2	75.9	108	152	209	281	362	450	538	622	693	741	760	748
30	2.68	3.68	8.62	17.3	29.3	44.3	63.3	87.4	119	159	207	262	319	375	429	473	505	522	521
40	2.68	3.37	7.16	13.9	23.3	34.9	48.9	65.8	86.1	111	140	172	207	242	275	302	322	334	337
50	2.68	3.09	5.65	10.3	17.0	25.1	34.7	45.6	57.9	71.6	86.9	104	123	142	160	176	188	197	201
60	2.68	2.88	4.26	7.02	10.9	15.9	21.8	28.2	35.1	42.5	50.2	58.5	67.0	75.1	82.8	89.7	95.4	99.5	102
70	2.68	2.73	3.27	4.45	6.22	8.50	11.2	14.3	17.6	20.9	24.6	28.5	32.2	35.6	38.7	41.4	43.7	45.3	46.4
80	2.68	2.66	2.77	3.03	3.44	3.98	4.66	5.44	6.27	7.12	8.27	9.43	10.6	11.7	12.8	13.7	14.5	15.2	15.7
90	2.68	2.68	2.68	2.69	2.69	2.69	2.69	2.70	2.70	2.70	2.74	2.77	2.80	2.83	2.87	2.90	2.93	2.96	3.00
100	2.68	2.70	2.73	2.76	2.79	2.81	2.84	2.87	2.89	2.92	2.93	2.95	2.96	2.97	2.97	2.98	2.97	2.97	2.96
110	2.68	2.73	2.79	2.85	2.92	2.98	3.05	3.13	3.20	3.27	3.33	3.39	3.44	3.48	3.52	3.55	3.57	3.57	3.57
120	2.68	2.76	2.85	2.95	3.06	3.18	3.30	3.44	3.58	3.72	3.86	3.99	4.12	4.23	4.32	4.40	4.45	4.48	4.48
130	2.68	2.78	2.91	3.05	3.21	3.39	3.58	3.80	4.02	4.26	4.51	4.74	4.96	5.17	5.34	5.49	5.59	5.66	5.68
140	2.68	2.81	2.96	3.15	3.35	3.60	3.87	4.16	4.49	4.84	5.21	5.56	5.89	6.21	6.49	6.72	6.89	7.00	7.03
150	2.68	2.83	3.01	3.23	3.49	3.78	4.13	4.51	4.94	5.40	5.87	6.35	6.82	7.26	7.65	7.96	8.18	8.30	8.32
160	2.68	2.84	3.05	3.29	3.59	3.93	4.33	4.79	5.31	5.85	6.43	7.02	7.61	8.18	8.68	9.05	9.34	9.50	9.53
170	2.68	2.85	3.07	3.33	3.65	4.03	4.47	4.97	5.54	6.16	6.80	7.47	8.15	8.80	9.38	9.85	10.2	10.3	10.2
180	2.68	2.85	3.08	3.35	3.68	4.06	4.51	5.03	5.62	6.25	6.92	7.61	8.32	9.01	9.66	10.2	10.7	10.9	11.0

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NAME:	TYPE:	WEIGHT:
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MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2

UNIT: ×10cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	10.9	10.7	10.3	9.28	8.43	8.28	7.72	6.96	6.20	5.49	4.86	4.34	3.95	3.71	3.63	3.70	3.92	4.61	
-170	10.3	10.2	9.72	8.98	8.44	8.03	7.38	6.68	5.98	5.33	4.75	4.28	3.92	3.70	3.63	3.70	3.92	4.61	
-160	8.80	8.76	8.63	8.31	7.84	7.31	6.74	6.15	5.56	5.00	4.53	4.13	3.85	3.68	3.63	3.72	3.94	4.61	
-150	7.57	7.54	7.38	7.09	6.73	6.33	5.90	5.45	5.00	4.60	4.24	3.96	3.76	3.65	3.64	3.75	3.96	4.61	
-140	6.22	6.16	6.04	5.84	5.60	5.32	5.01	4.72	4.44	4.18	3.96	3.79	3.67	3.63	3.67	3.79	4.00	4.61	
-130	4.99	4.95	4.87	4.75	4.61	4.45	4.28	4.13	3.98	3.85	3.74	3.67	3.64	3.65	3.72	3.85	4.04	4.61	
-120	4.10	4.08	4.05	4.00	3.94	3.87	3.81	3.75	3.70	3.67	3.65	3.64	3.66	3.72	3.81	3.93	4.09	4.61	
-110	3.65	3.65	3.65	3.64	3.64	3.64	3.64	3.64	3.65	3.67	3.69	3.73	3.78	3.85	3.93	4.03	4.17	4.61	
-100	3.69	3.70	3.71	3.73	3.75	3.77	3.80	3.83	3.86	3.89	3.92	3.95	4.00	4.05	4.10	4.17	4.31	4.61	
-90	4.30	4.32	4.35	4.38	4.41	4.43	4.46	4.49	4.52	4.53	4.54	4.55	4.56	4.57	4.58	4.59	4.60	4.61	
-80	15.0	15.3	15.3	15.2	14.9	14.5	14.0	13.3	12.6	11.4	10.3	9.17	8.14	7.20	6.34	5.60	5.01	4.61	
-70	46.2	46.1	45.4	44.0	42.1	39.7	36.9	33.7	30.1	26.3	22.4	18.8	15.4	12.2	9.47	7.25	5.60	4.61	
-60	102	101	97.6	93.0	87.3	80.5	73.0	65.1	56.4	47.8	39.7	32.1	25.1	19.0	13.7	9.36	6.31	4.61	
-50	208	203	194	181	165	148	130	111	92.2	75.7	61.0	48.0	36.6	26.7	18.4	11.7	7.06	4.61	
-40	388	371	346	316	283	247	211	174	140	111	86.0	65.6	48.7	34.7	23.2	14.2	7.80	4.61	
-30	637	596	541	481	421	361	302	246	195	150	113	83.5	60.4	42.1	27.6	16.4	8.48	4.61	
-20	898	828	741	648	552	460	381	310	245	187	138	99.6	70.4	48.3	31.2	18.1	9.02	4.61	
-10	1053	966	857	745	631	525	431	350	278	213	156	111	77.1	52.4	33.5	19.2	9.35	4.61	
0	1061	971	855	736	629	527	438	358	286	221	162	115	79.5	53.8	34.3	19.6	9.47	4.61	
10	944	866	772	676	583	493	411	339	273	211	155	111	77.0	52.3	33.5	19.2	9.34	4.61	
20	725	679	617	549	483	416	354	295	239	185	137	99.3	70.2	48.2	31.1	18.1	9.00	4.61	
30	510	486	451	410	367	324	281	236	190	149	112	83.2	60.2	42.0	27.5	16.3	8.45	4.61	
40	334	324	308	286	261	232	201	169	138	110	85.5	65.2	48.5	34.6	23.1	14.1	7.76	4.61	
50	201	197	188	176	162	145	127	109	91.4	75.1	60.6	47.7	36.4	26.6	18.3	11.7	7.01	4.61	
60	102	101	97.8	93.0	86.9	80.1	72.4	64.4	55.8	47.3	39.3	31.9	25.0	18.8	13.5	9.27	6.25	4.61	
70	46.8	46.5	45.6	44.1	42.1	39.5	36.6	33.4	29.8	26.0	22.2	18.6	15.1	12.0	9.32	7.14	5.53	4.61	
80	15.9	16.0	15.9	15.6	15.1	14.6	13.8	13.0	12.1	11.0	9.92	8.86	7.87	6.96	6.15	5.46	4.93	4.61	
90	3.07	3.15	3.22	3.30	3.38	3.45	3.53	3.60	3.68	3.78	3.89	3.99	4.09	4.20	4.30	4.40	4.51	4.61	
100	2.95	2.93	2.92	2.90	2.87	2.85	2.82	2.79	2.77	2.87	2.98	3.11	3.27	3.43	3.63	3.88	4.19	4.61	
110	3.55	3.52	3.47	3.42	3.36	3.30	3.23	3.15	3.10	3.10	3.12	3.17	3.25	3.37	3.53	3.74	4.03	4.61	
120	4.45	4.40	4.32	4.21	4.09	3.95	3.81	3.65	3.53	3.43	3.36	3.32	3.32	3.38	3.50	3.68	3.95	4.61	
130	5.63	5.54	5.40	5.23	5.02	4.79	4.54	4.30	4.06	3.84	3.65	3.51	3.43	3.42	3.49	3.65	3.92	4.61	
140	6.96	6.82	6.62	6.36	6.05	5.71	5.37	5.01	4.64	4.30	3.99	3.74	3.57	3.49	3.50	3.64	3.90	4.61	
150	8.21	8.02	7.76	7.44	7.06	6.64	6.19	5.70	5.22	4.75	4.33	3.97	3.71	3.56	3.53	3.64	3.89	4.61	
160	9.31	8.99	8.62	8.23	7.89	7.47	6.93	6.32	5.71	5.13	4.61	4.17	3.83	3.63	3.56	3.65	3.89	4.61	
170	9.83	9.46	9.33	8.79	8.38	8.05	7.46	6.77	6.06	5.39	4.80	4.30	3.92	3.68	3.60	3.67	3.90	4.61	
180	10.9	10.7	10.3	9.28	8.43	8.28	7.72	6.96	6.20	5.49	4.86	4.34	3.95	3.71	3.63	3.70	3.92	4.61	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-05-29

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks: