

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	758.5 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	-2.0 degrees horizontal

Beam Spread	At 10% of Imax	117.7V x 117.7H
	At 50% of Imax	62.3V x 62.3H
	At 90% of Imax	22.4V x 23.3H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	892.7 lumens per klm.
	To 50% of Imax	488.0 lumens per klm.
	To 90% of Imax	86.7 lumens per klm.

Upward LOR	2.2 %
Downward LOR	97.8 %

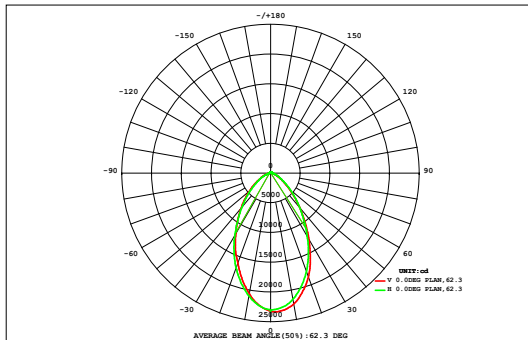
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-05-25

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:218.28V I:1.1321A P:245.11W PF:0.9919 Freq:0Hz Lamp Flux:30767.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:125.53lm/W	
MODEL	FL02	Imax(cd)	23336
NOMINAL POWER(W)	250W	AVAILABILITY(%)	89.4
RATED VOLTAGE(V)		Avai. FLUX(lm)	27501
NOMINAL FLUX(lm)	30767.6	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	30768
TEST VOLTAGE(V)	0	θ @50%(H,V)	62,62DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.15	0.50	0.96	1.51	2.15	2.93	3.74	4.46	4.97	5.21	5.13	4.75	4.12	3.32	2.47	1.65	0.93	0.29	49.2	0.00
90	0.15	0.50	0.96	1.51	2.15	2.93	3.74	4.46	4.97	5.21	5.13	4.75	4.12	3.32	2.47	1.65	0.93	0.29	49.2	0.00
80	0.17	0.77	1.93	3.85	6.52	9.90	13.4	16.4	18.4	19.0	18.1	15.9	12.8	9.29	5.90	3.20	1.39	0.34	158	0.00
70	0.21	1.20	3.73	8.31	14.8	22.9	31.6	39.2	44.1	45.2	42.3	36.0	27.7	19.1	11.4	5.60	2.05	0.40	356	0.00
60	0.25	1.80	6.18	14.3	26.4	42.5	61.6	79.7	91.6	93.7	85.5	69.6	50.7	32.7	18.4	8.59	2.87	0.47	687	394
50	0.30	2.48	8.95	21.5	42.2	72.8	112	149	173	175	157	124	85.7	51.3	26.9	11.9	3.75	0.55	1218	1079
40	0.34	3.17	11.8	29.7	62.9	116	182	247	288	289	253	195	131	74.7	36.6	15.2	4.59	0.62	1941	1846
30	0.38	3.76	14.3	38.1	86.6	167	269	372	435	431	368	273	177	99.3	46.4	18.3	5.33	0.68	2806	2731
	0.41	4.20	16.3	45.4	108	215	359	497	573	561	470	343	217	120	54.7	20.7	5.87	0.72	3610	3545
	0.43	4.44	17.4	49.7	122	248	422	583	670	649	532	382	239	131	59.5	22.1	6.18	0.75	4139	4078
	0.43	4.44	17.4	49.6	122	249	424	591	678	657	534	382	239	131	59.6	22.1	6.18	0.75	4167	4106
	0.42	4.21	16.3	45.2	108	216	365	511	592	574	475	343	217	120	54.9	20.8	5.89	0.73	3669	3605
	0.39	3.77	14.4	37.9	85.9	167	273	382	448	442	371	273	178	99.9	46.7	18.4	5.36	0.68	2849	2774
-30	0.35	3.18	11.8	29.6	62.1	114	183	251	293	294	255	196	132	75.4	36.9	15.4	4.63	0.62	1959	1863
-40	0.30	2.51	9.00	21.6	41.9	71.6	110	149	173	176	158	125	86.9	52.1	27.3	12.0	3.79	0.55	1221	1082
-50	0.26	1.83	6.24	14.4	26.5	42.4	61.3	79.4	91.7	94.3	86.3	70.7	51.7	33.4	18.8	8.73	2.91	0.48	691	400
-60	0.22	1.25	3.82	8.44	15.0	23.2	32.0	39.8	44.9	46.2	43.3	36.9	28.5	19.7	11.7	5.74	2.10	0.41	363	0.00
-70	0.18	0.82	2.06	4.05	6.79	10.2	13.9	17.0	19.1	19.8	18.9	16.6	13.4	9.73	6.16	3.33	1.44	0.35	164	0.00
-80	0.16	0.57	1.11	1.80	2.58	3.40	4.22	4.94	5.45	5.69	5.62	5.23	4.57	3.72	2.73	1.80	0.98	0.30	54.9	0.00
-90	0.15	0.50	0.96	1.51	2.15	2.93	3.74	4.46	4.97	5.21	5.13	4.75	4.12	3.32	2.47	1.65	0.93	0.29	49.2	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	5.37	44.9	164	425	942	1794	2920	4013	4644	4578	3880	2891	1896	1086	527	216	66.2	9.69	30101	---
Φ a	0.00	0.00	0.00	180	761	1624	2757	3853	4486	4423	3721	2732	1733	912	318	0.00	0.00	0.00	---	27501

one-half-peak spread: U:31.6,D:31.1 , L:30.4,R:32.4

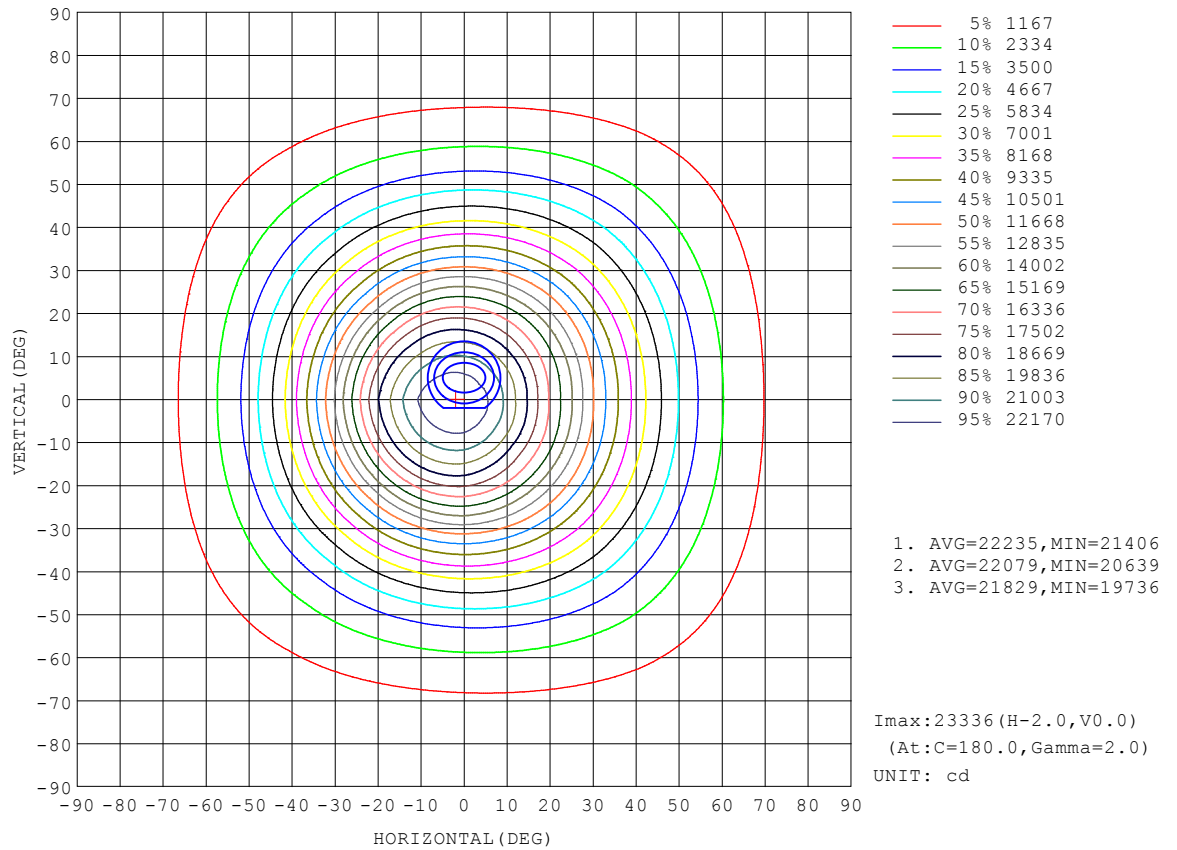
NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-05-25

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:218.28V I:1.1321A P:245.11W PF:0.9919 Freq:0Hz Lamp Flux:30767.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

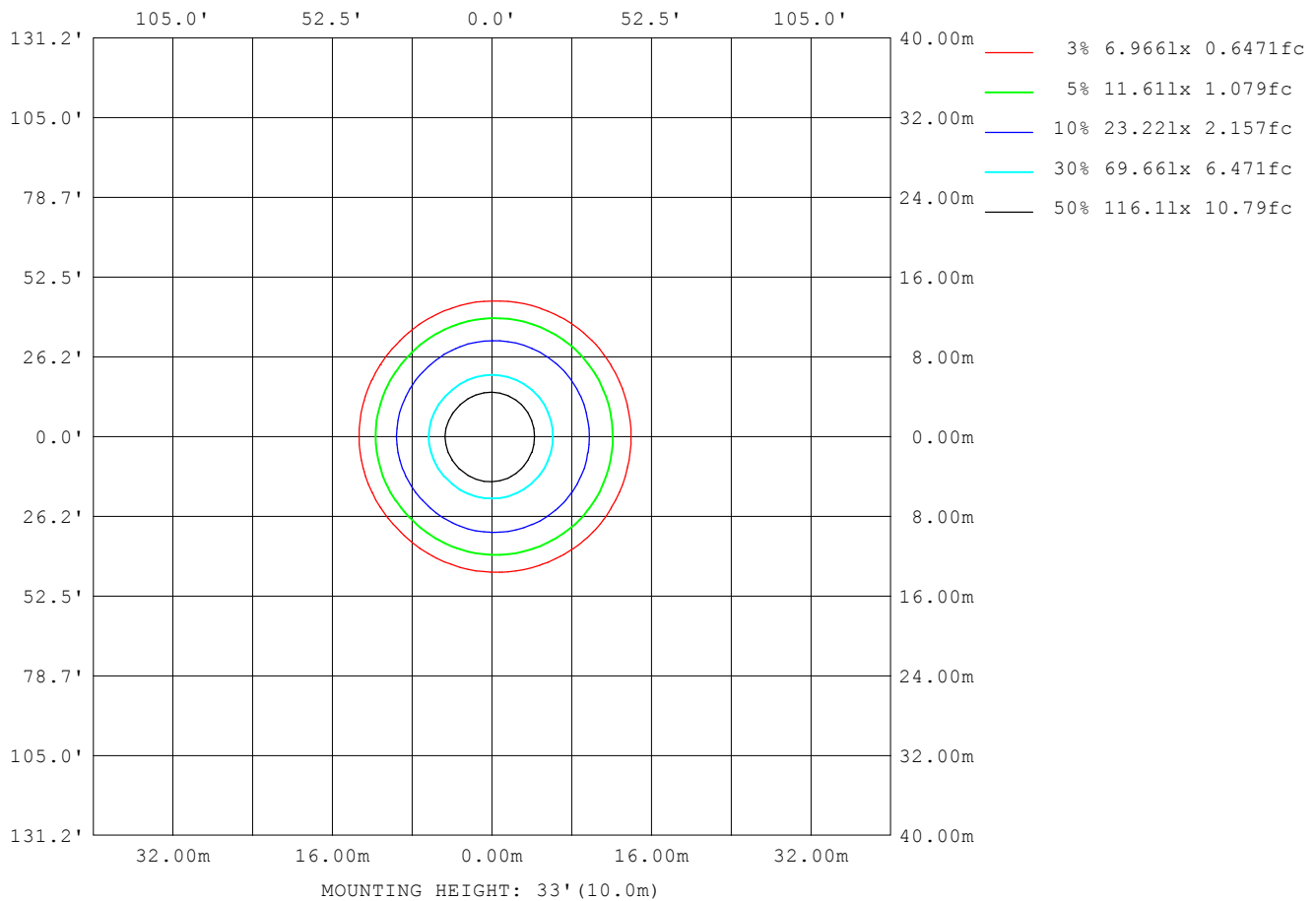


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ISOLUX DIAGRAM

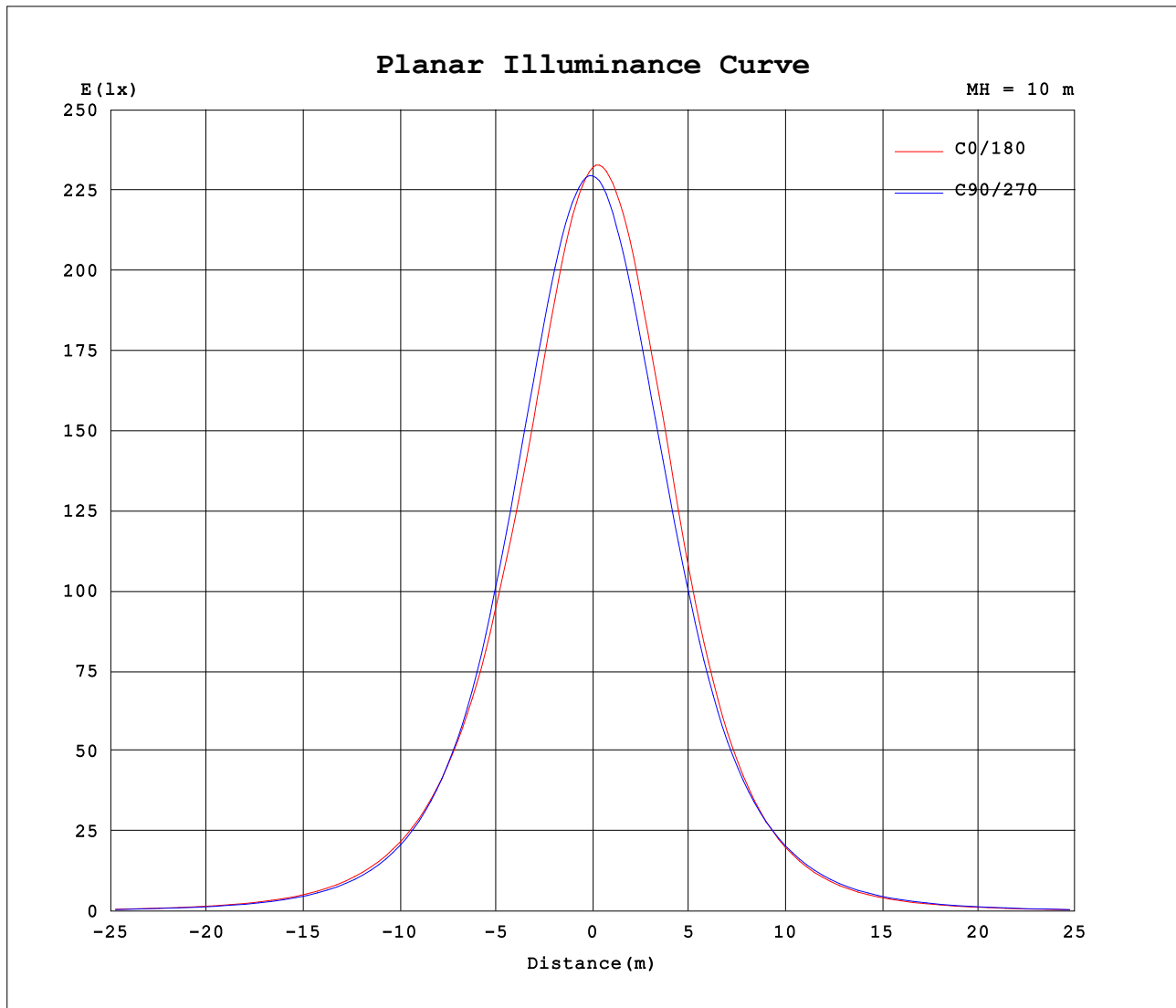
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 γ Interval: 1.0DEG
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Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

Planar Illuminance Curve

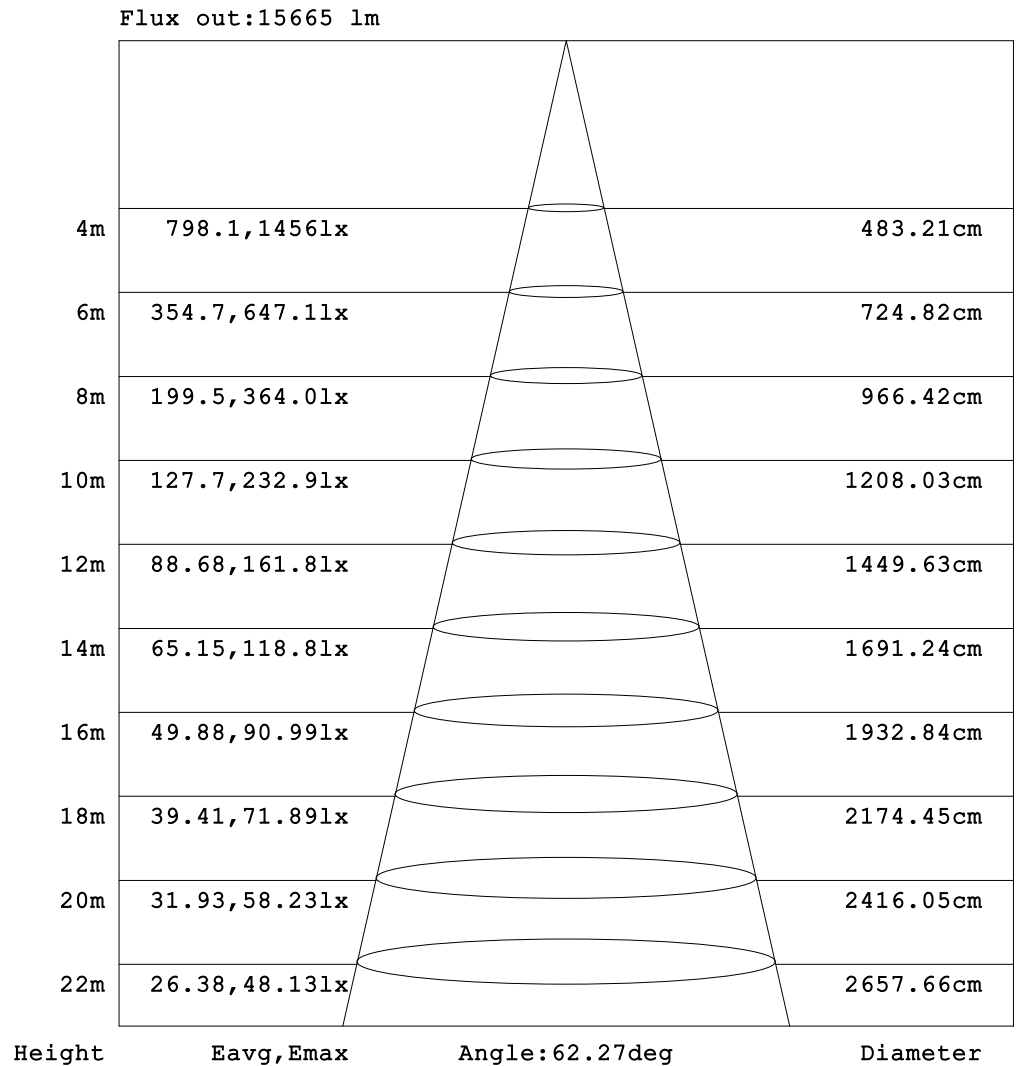


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-05-25

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:

AAI Figure

Test:U:218.28V I:1.1321A P:245.11W PF:0.9919 Freq:0Hz Lamp Flux:30767.6x1 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: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-05-25

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:218.28V I:1.1321A P:245.11W PF:0.9919 Freq:0Hz Lamp Flux:30767.6x1 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	5.62	5.97	6.43	7.00	7.68	8.48	9.40	10.5	11.7	12.9	14.3	15.6	16.9	18.0	19.0	19.9	20.8	21.3	21.6
-170	5.62	6.00	6.46	7.00	7.63	8.38	9.23	10.2	11.3	12.5	13.7	14.9	16.1	17.1	18.0	18.7	19.3	19.9	20.3
-160	5.62	6.02	6.46	6.96	7.52	8.16	8.90	9.73	10.6	11.6	12.6	13.6	14.6	15.5	16.2	16.9	17.3	17.7	17.8
-150	5.62	6.03	6.45	6.88	7.35	7.87	8.46	9.10	9.82	10.6	11.3	12.1	12.8	13.5	14.2	14.9	15.3	15.5	15.6
-140	5.62	6.03	6.42	6.78	7.17	7.56	7.98	8.45	8.94	9.45	9.97	10.5	11.0	11.6	12.1	12.5	12.9	13.1	13.2
-130	5.62	6.03	6.38	6.70	6.99	7.28	7.56	7.85	8.15	8.46	8.76	9.08	9.43	9.76	10.1	10.3	10.5	10.7	10.7
-120	5.62	6.02	6.35	6.63	6.87	7.08	7.27	7.44	7.60	7.75	7.88	8.03	8.19	8.34	8.48	8.60	8.68	8.73	8.75
-110	5.62	6.00	6.32	6.59	6.82	7.00	7.16	7.28	7.39	7.48	7.52	7.54	7.56	7.59	7.62	7.64	7.66	7.67	7.67
-100	5.62	5.98	6.30	6.59	6.84	7.07	7.27	7.45	7.61	7.74	7.73	7.70	7.68	7.66	7.65	7.64	7.64	7.64	7.65
-90	5.62	5.95	6.28	6.62	6.95	7.28	7.61	7.95	8.28	8.61	8.63	8.66	8.68	8.70	8.73	8.75	8.77	8.80	8.82
-80	5.62	5.96	6.98	8.24	9.70	11.3	12.9	14.7	16.5	18.3	20.6	22.8	25.2	27.3	29.4	31.2	32.8	34.0	35.0
-70	5.62	6.66	9.11	12.2	16.3	21.3	27.1	33.6	40.5	47.5	55.2	63.2	71.0	78.2	84.7	90.3	95.0	98.4	101
-60	5.62	7.56	11.7	18.1	26.7	37.6	49.8	63.5	78.1	93.4	109	126	144	160	176	190	201	209	214
-50	5.62	8.49	15.0	25.5	39.9	57.4	77.7	101	126	154	185	219	257	297	335	370	398	418	429
-40	5.62	9.40	18.4	33.5	53.7	78.5	108	143	185	235	293	361	438	518	595	663	716	752	766
-30	5.62	10.2	21.7	40.9	66.7	98.7	139	189	254	337	440	557	684	818	951	1067	1158	1217	1235
-20	5.62	10.8	24.4	47.0	77.2	116	166	233	324	446	595	768	961	1164	1363	1542	1674	1748	1762
-10	5.62	11.2	26.2	50.9	84.1	127	185	266	380	532	718	940	1191	1456	1713	1922	2070	2146	2156
0	5.62	11.3	26.7	52.2	86.3	131	192	278	403	567	770	1015	1293	1582	1862	2072	2237	2319	2322
10	5.62	11.1	26.1	50.9	84.0	127	185	266	381	533	718	936	1180	1438	1684	1876	2007	2094	2101
20	5.62	10.7	24.3	46.9	77.1	116	166	234	327	448	597	765	949	1140	1331	1497	1621	1690	1699
30	5.62	10.1	21.6	40.7	66.5	98.4	139	189	256	341	444	560	684	809	933	1044	1132	1189	1207
40	5.62	9.26	18.2	33.3	53.5	78.2	108	143	186	237	299	368	444	522	596	660	710	743	756
50	5.62	8.33	14.6	25.1	39.5	57.0	77.2	100	126	154	186	221	261	300	338	372	400	418	428
60	5.62	7.39	11.3	17.6	26.2	37.0	49.3	62.9	77.4	92.6	108	125	143	159	175	189	200	208	212
70	5.62	6.44	8.71	11.6	15.6	20.5	26.2	32.7	39.5	46.6	54.2	62.0	69.5	76.4	82.7	88.1	92.4	95.5	97.4
80	5.62	5.65	6.54	7.66	8.87	10.2	11.6	13.2	14.9	16.7	19.0	21.3	23.6	25.7	27.7	29.5	31.0	32.2	33.0
90	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.63	5.63	5.75	5.87	5.99	6.11	6.23	6.36	6.48	6.60	6.72
100	5.62	5.66	5.71	5.76	5.81	5.87	5.92	5.97	6.02	6.06	6.09	6.12	6.15	6.16	6.18	6.18	6.18	6.17	6.16
110	5.62	5.72	5.83	5.95	6.08	6.21	6.35	6.49	6.63	6.76	6.88	6.99	7.10	7.18	7.26	7.31	7.34	7.36	7.34
120	5.62	5.77	5.95	6.15	6.37	6.61	6.86	7.12	7.38	7.65	7.92	8.17	8.40	8.62	8.79	8.93	9.03	9.07	9.07
130	5.62	5.82	6.08	6.36	6.68	7.04	7.42	7.84	8.27	8.73	9.18	9.63	10.0	10.4	10.7	11.0	11.2	11.3	11.3
140	5.62	5.87	6.19	6.56	6.98	7.46	8.00	8.59	9.22	9.89	10.6	11.2	11.8	12.4	12.8	13.2	13.5	13.6	13.6
150	5.62	5.91	6.28	6.73	7.25	7.86	8.55	9.30	10.1	11.0	11.9	12.8	13.6	14.3	15.0	15.5	15.8	16.0	16.0
160	5.62	5.94	6.36	6.87	7.47	8.18	8.99	9.91	10.9	12.0	13.1	14.2	15.2	16.2	17.0	17.6	18.0	18.2	18.2
170	5.62	5.96	6.41	6.96	7.62	8.40	9.29	10.3	11.5	12.7	13.9	15.2	16.4	17.5	18.4	19.2	19.7	20.0	19.9
180	5.62	5.97	6.43	7.00	7.68	8.48	9.40	10.5	11.7	12.9	14.3	15.6	16.9	18.0	19.0	19.9	20.8	21.3	21.4

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NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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	21.3	20.9	20.2	18.5	16.8	16.3	15.4	14.0	12.5	11.2	10.0	9.02	8.28	7.83	7.67	7.82	8.29	10.3	
-170	20.4	20.1	19.4	18.0	16.8	16.0	14.9	13.5	12.2	10.9	9.82	8.90	8.22	7.80	7.67	7.83	8.30	10.3	
-160	17.9	17.8	17.5	16.9	15.9	14.9	13.8	12.6	11.5	10.4	9.42	8.64	8.07	7.75	7.67	7.86	8.33	10.3	
-150	15.7	15.6	15.3	14.7	13.9	13.1	12.2	11.3	10.4	9.59	8.87	8.29	7.89	7.69	7.69	7.92	8.38	10.3	
-140	13.2	13.0	12.7	12.3	11.8	11.2	10.6	9.93	9.33	8.78	8.31	7.95	7.73	7.66	7.74	8.00	8.45	10.3	
-130	10.7	10.6	10.4	10.1	9.80	9.44	9.06	8.70	8.37	8.09	7.86	7.71	7.65	7.69	7.84	8.13	8.54	10.3	
-120	8.73	8.67	8.58	8.46	8.32	8.17	8.01	7.87	7.77	7.69	7.65	7.65	7.70	7.82	8.02	8.29	8.64	10.3	
-110	7.67	7.66	7.65	7.64	7.62	7.61	7.61	7.62	7.63	7.67	7.73	7.81	7.94	8.09	8.28	8.51	8.81	10.3	
-100	7.66	7.69	7.72	7.75	7.79	7.84	7.90	7.97	8.04	8.11	8.19	8.28	8.39	8.50	8.63	8.80	9.20	10.3	
-90	8.97	9.13	9.28	9.43	9.59	9.74	9.89	10.0	10.2	10.2	10.2	10.2	10.3	10.3	10.3	10.3	10.3	10.3	
-80	35.5	35.7	35.6	35.1	34.2	33.0	31.4	29.7	27.8	25.5	23.1	20.7	18.6	16.5	14.7	13.1	11.6	10.3	
-70	101	101	98.8	95.6	91.3	86.0	79.8	73.0	65.5	57.2	49.1	41.2	33.8	27.0	21.3	16.7	13.1	10.3	
-60	215	213	206	196	184	170	154	137	119	102	85.1	69.3	54.6	41.5	30.1	21.0	14.6	10.3	
-50	429	419	401	374	342	306	269	230	193	159	129	102	78.6	57.9	40.3	26.1	16.3	10.3	
-40	760	735	693	639	575	506	433	359	290	230	180	139	104	74.7	50.4	31.2	17.9	10.3	
-30	1209	1149	1061	958	850	737	621	508	404	311	235	175	128	90.3	59.7	35.9	19.3	10.3	
-20	1706	1603	1461	1299	1128	954	796	647	510	388	286	207	148	103	67.2	39.6	20.4	10.3	
-10	2081	1930	1745	1551	1337	1121	922	744	585	443	323	230	162	111	72.1	41.9	21.0	10.3	
0	2230	2063	1851	1618	1406	1171	968	777	611	463	337	238	167	114	73.7	42.8	21.2	10.3	
10	2040	1911	1734	1543	1336	1120	923	742	584	442	322	230	162	111	71.9	41.9	21.0	10.3	
20	1659	1573	1449	1296	1128	955	793	645	508	386	285	206	148	102	67.0	39.4	20.3	10.3	
30	1188	1135	1055	956	846	732	618	505	401	309	233	174	127	89.6	59.3	35.6	19.2	10.3	
40	751	727	687	635	572	502	428	355	287	227	178	137	103	73.9	50.0	30.9	17.8	10.3	
50	427	417	398	371	338	302	264	226	189	157	127	101	77.5	57.1	39.8	25.7	16.1	10.3	
60	213	210	203	193	180	166	150	134	117	99.4	83.2	67.9	53.6	40.7	29.6	20.7	14.4	10.3	
70	98.2	97.6	95.7	92.6	88.3	83.2	77.1	70.5	63.1	55.3	47.5	39.9	32.8	26.2	20.7	16.3	12.9	10.3	
80	33.6	33.8	33.6	33.1	32.2	31.1	29.6	27.9	25.9	23.8	21.6	19.6	17.6	15.7	14.0	12.6	11.4	10.3	
90	6.89	7.07	7.24	7.42	7.59	7.76	7.94	8.11	8.29	8.51	8.74	8.97	9.20	9.42	9.65	9.88	10.1	10.3	
100	6.13	6.10	6.07	6.03	5.98	5.93	5.87	5.81	5.78	6.00	6.25	6.53	6.85	7.22	7.63	8.20	8.99	10.3	
110	7.31	7.25	7.17	7.07	6.95	6.82	6.68	6.53	6.43	6.46	6.53	6.66	6.84	7.10	7.45	7.89	8.52	10.3	
120	9.02	8.92	8.77	8.58	8.35	8.09	7.80	7.51	7.29	7.12	7.00	6.94	6.97	7.11	7.37	7.78	8.35	10.3	
130	11.3	11.1	10.8	10.5	10.1	9.70	9.22	8.76	8.32	7.92	7.58	7.33	7.20	7.20	7.36	7.72	8.28	10.3	
140	13.5	13.3	12.9	12.5	12.0	11.4	10.8	10.1	9.46	8.81	8.24	7.79	7.47	7.33	7.39	7.69	8.25	10.3	
150	15.8	15.5	15.0	14.4	13.8	13.1	12.3	11.5	10.6	9.70	8.90	8.24	7.76	7.49	7.45	7.69	8.23	10.3	
160	17.9	17.4	16.8	16.1	15.4	14.7	13.7	12.6	11.5	10.5	9.47	8.63	8.01	7.63	7.53	7.72	8.23	10.3	
170	19.4	18.7	18.4	17.4	16.4	15.8	14.8	13.5	12.2	11.0	9.86	8.91	8.19	7.75	7.60	7.76	8.25	10.3	
180	21.3	20.9	20.2	18.5	16.8	16.3	15.4	14.0	12.5	11.2	10.0	9.02	8.28	7.83	7.67	7.82	8.29	10.3	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-05-25

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: