

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	740.7 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	118.1V x 118.6H
	At 50% of Imax	62.9V x 63.6H
	At 90% of Imax	24.1V x 24.1H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	896.8 lumens per klm.
	To 50% of Imax	502.2 lumens per klm.
	To 90% of Imax	96.4 lumens per klm.

Upward LOR	2.2 %
Downward LOR	97.8 %

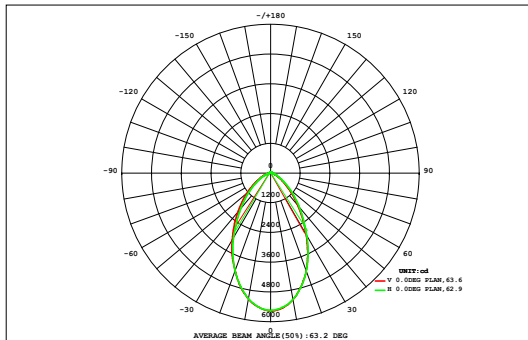
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-05-29

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:218.80V I:0.2395A P:51.127W PF:0.9759 Freq:49.99Hz Lamp Flux:7509.03x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:146.87lm/W	
MODEL	FL02	Imax(cd)	5562
NOMINAL POWER(W)	50W	AVAILABILITY(%)	89.7
RATED VOLTAGE(V)		Avai. FLUX(lm)	6738
NOMINAL FLUX(lm)	7509.03	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	7509
TEST VOLTAGE(V)	0	θ @50% (H,V)	64,63DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.04	0.11	0.19	0.30	0.44	0.63	0.83	1.02	1.17	1.25	1.26	1.18	1.03	0.83	0.60	0.39	0.22	0.07	11.6	0.00
90	0.04	0.11	0.19	0.30	0.44	0.63	0.83	1.02	1.17	1.25	1.26	1.18	1.03	0.83	0.60	0.39	0.22	0.07	11.6	0.00
80	0.04	0.14	0.36	0.79	1.45	2.31	3.21	4.01	4.55	4.77	4.64	4.15	3.39	2.48	1.55	0.81	0.33	0.08	39.0	0.00
70	0.04	0.21	0.76	1.87	3.50	5.51	7.67	9.61	10.9	11.4	10.8	9.31	7.30	5.11	3.04	1.47	0.52	0.09	89.1	0.00
60	0.04	0.34	1.35	3.33	6.26	10.2	14.9	19.5	22.7	23.6	21.8	18.0	13.3	8.65	4.92	2.28	0.74	0.11	172	107
50	0.05	0.49	2.02	5.03	9.94	17.3	26.9	36.3	42.8	44.2	40.3	32.2	22.5	13.5	7.14	3.17	0.98	0.13	305	274
40	0.06	0.65	2.69	6.92	14.7	27.3	43.4	59.7	70.8	72.8	65.1	51.1	34.5	19.7	9.68	4.06	1.21	0.15	485	463
30	0.06	0.79	3.29	8.81	20.0	38.7	62.9	88.9	106	108	95.1	71.9	46.8	26.3	12.3	4.88	1.41	0.17	697	680
	0.07	0.89	3.75	10.4	24.8	49.2	82.7	117	139	140	121	89.9	57.3	31.7	14.5	5.52	1.56	0.18	890	875
	0.07	0.94	4.00	11.3	27.5	55.7	95.6	135	160	160	136	99.8	63.3	34.7	15.8	5.89	1.64	0.19	1008	995
	0.07	0.94	3.99	11.3	27.4	55.6	95.4	135	160	161	136	99.4	62.9	34.6	15.8	5.89	1.64	0.19	1007	994
	0.07	0.88	3.74	10.3	24.5	48.8	82.3	117	140	140	120	88.4	56.4	31.3	14.4	5.51	1.55	0.18	886	871
	0.06	0.78	3.27	8.72	19.7	38.1	62.2	87.8	105	107	92.8	69.6	45.7	25.9	12.2	4.86	1.40	0.17	686	668
-30	0.06	0.64	2.65	6.83	14.3	26.4	42.3	58.3	68.9	70.5	62.9	49.3	33.5	19.4	9.62	4.04	1.20	0.15	471	449
-40	0.05	0.49	1.97	4.95	9.73	16.7	25.9	35.1	41.3	42.6	38.9	31.3	22.0	13.4	7.08	3.14	0.98	0.13	296	263
-50	0.04	0.34	1.31	3.23	6.10	9.90	14.4	18.8	21.9	22.8	21.2	17.6	13.1	8.55	4.85	2.26	0.74	0.11	167	100
-60	0.04	0.22	0.75	1.80	3.33	5.25	7.34	9.19	10.4	10.9	10.4	9.03	7.11	4.99	2.99	1.47	0.52	0.10	85.8	0.00
-70	0.04	0.15	0.38	0.81	1.42	2.17	2.97	3.66	4.13	4.36	4.32	3.93	3.27	2.46	1.56	0.84	0.35	0.08	36.9	0.00
-80	0.04	0.13	0.24	0.38	0.54	0.70	0.85	0.98	1.06	1.14	1.21	1.19	1.09	0.92	0.67	0.43	0.23	0.07	11.9	0.00
-90	0.04	0.13	0.24	0.38	0.54	0.70	0.85	0.98	1.06	1.14	1.21	1.19	1.09	0.92	0.67	0.43	0.23	0.07	11.9	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.94	9.09	36.7	97.0	216	410	672	938	1112	1127	984	747	495	285	139	56.9	17.2	2.36	7345	---
Φ a	0.00	0.00	0.00	37.9	172	370	634	901	1075	1090	948	711	457	245	93.2	4.16	0.00	0.00	---	6738

one-half-peak spread: U:31.4,D:32.0 , L:31.0,R:33.2

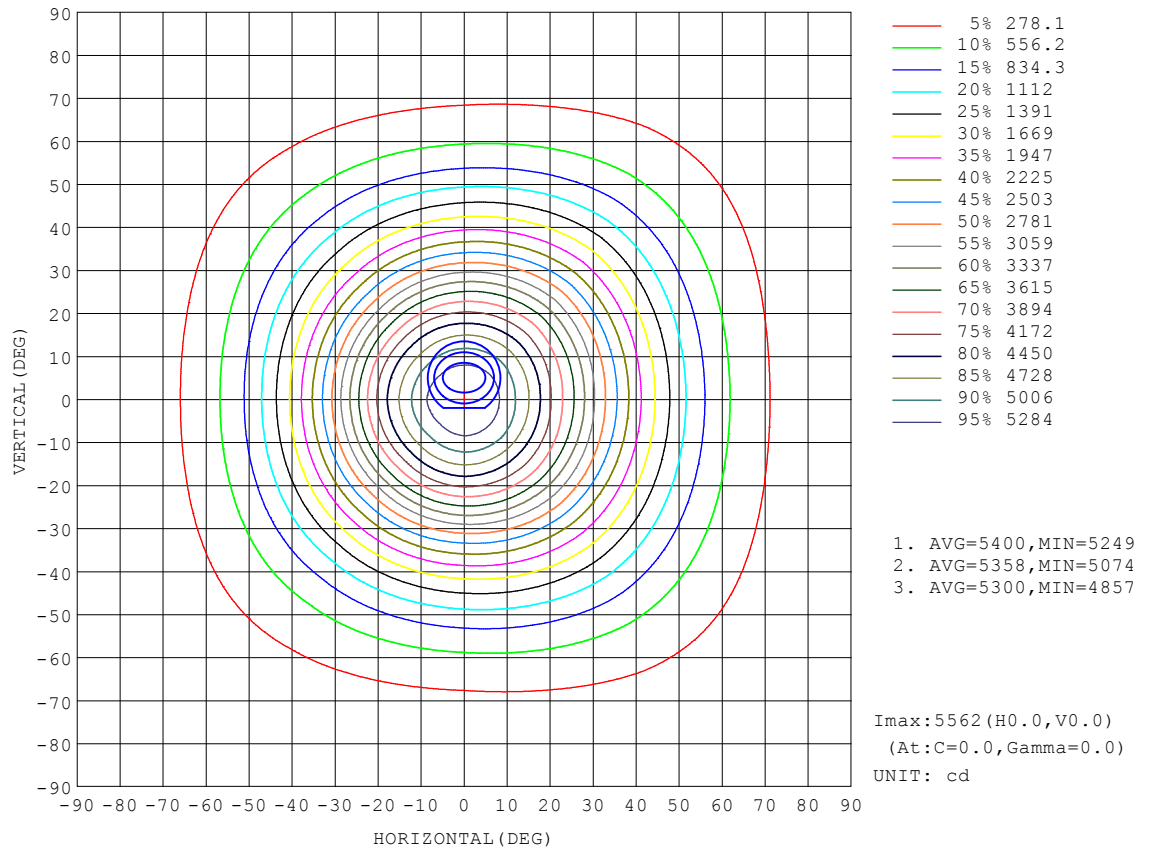
NEMA Beam Type: Type 6

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:218.80V I:0.2395A P:51.127W PF:0.9759 Freq:49.99Hz Lamp Flux:7509.03x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

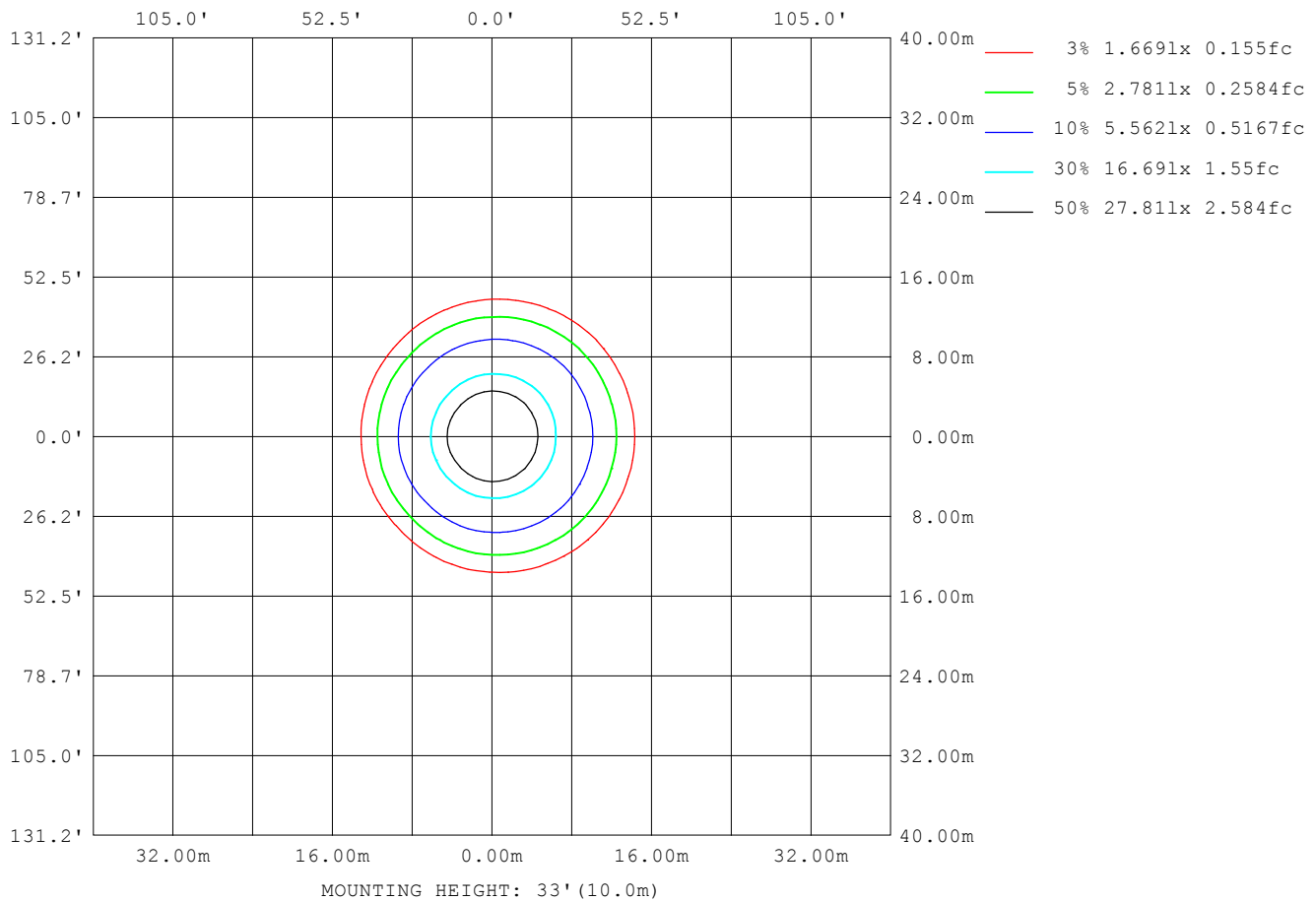


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Test Distance: 9.250m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

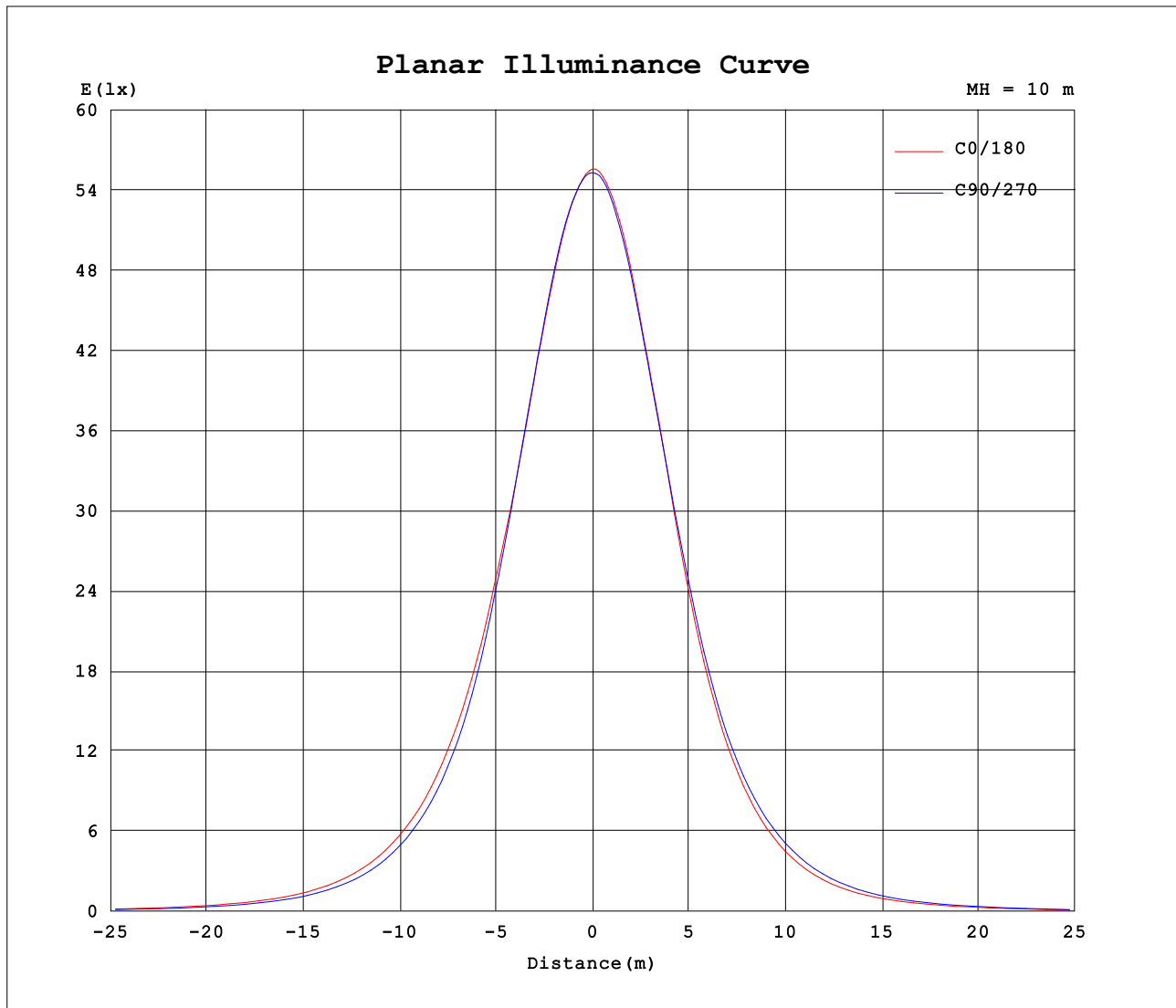
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

Planar Illuminance Curve

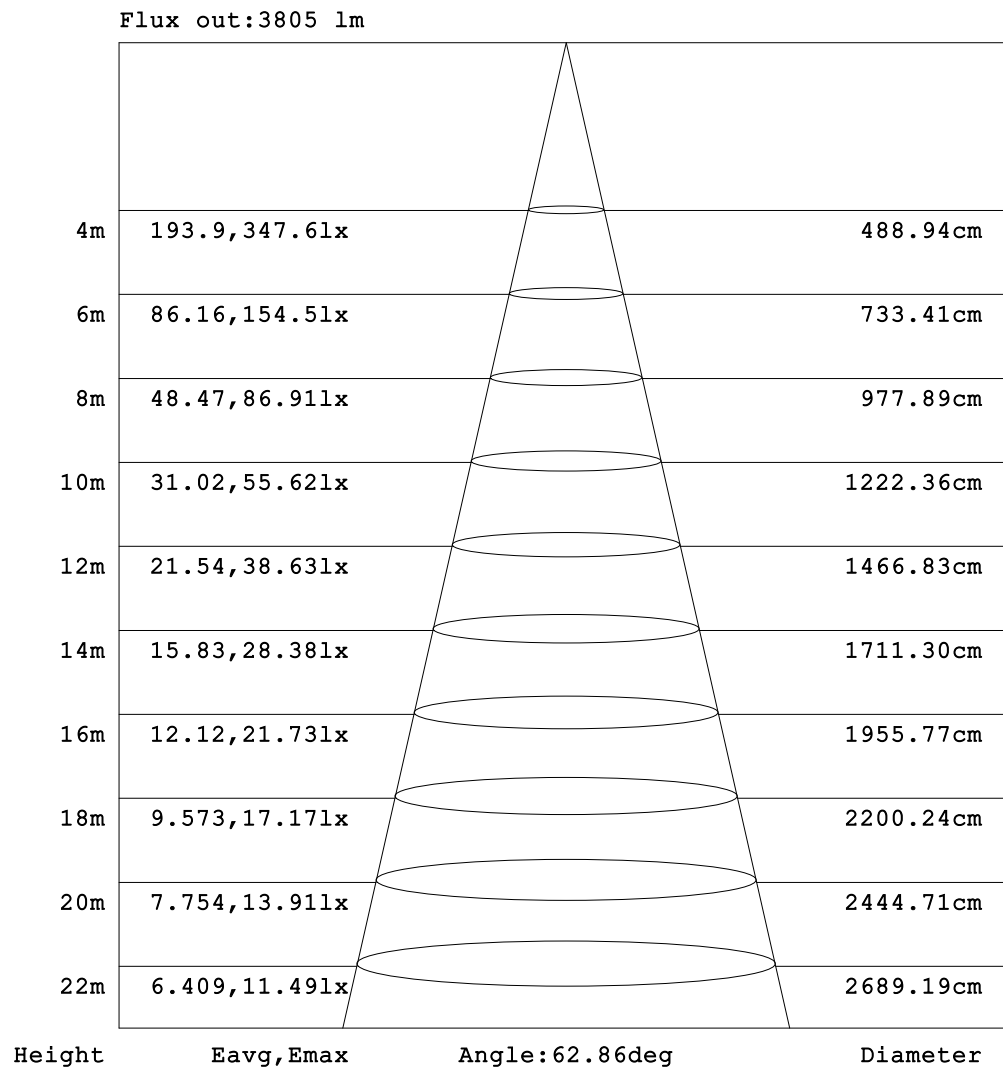


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-05-29

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:

AAI Figure

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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.

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 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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:218.80V I:0.2395A P:51.127W PF:0.9759 Freq:49.99Hz Lamp Flux:7509.03x1 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	13.7	14.6	15.9	17.4	19.2	21.3	23.8	26.6	29.7	33.0	36.3	39.6	42.9	46.0	48.8	51.3	53.2	54.5	55.2
-170	13.7	14.7	15.9	17.4	19.1	21.1	23.3	25.9	28.8	31.8	34.9	37.9	40.9	43.6	46.1	48.0	49.1	50.3	50.8
-160	13.7	14.8	15.9	17.2	18.8	20.5	22.4	24.6	27.1	29.7	32.3	34.9	37.3	39.6	41.5	42.9	43.6	44.2	44.0
-150	13.7	14.8	15.8	17.0	18.3	19.7	21.3	23.0	24.9	26.9	28.9	31.0	32.8	34.6	36.3	37.8	38.7	39.0	38.9
-140	13.7	14.8	15.7	16.7	17.8	18.9	20.0	21.2	22.5	23.9	25.3	26.6	28.1	29.5	30.7	31.7	32.4	32.8	32.8
-130	13.7	14.7	15.6	16.5	17.3	18.1	18.9	19.6	20.4	21.2	22.0	22.8	23.7	24.5	25.2	25.8	26.2	26.4	26.4
-120	13.7	14.7	15.5	16.2	16.8	17.5	18.0	18.5	18.9	19.3	19.7	20.0	20.4	20.7	21.0	21.3	21.4	21.5	21.5
-110	13.7	14.6	15.4	16.1	16.6	17.1	17.5	17.9	18.2	18.5	18.6	18.6	18.7	18.7	18.7	18.8	18.8	18.7	18.7
-100	13.7	14.6	15.3	16.0	16.6	17.1	17.6	18.0	18.4	18.7	18.7	18.7	18.6	18.6	18.6	18.6	18.5	18.5	18.5
-90	13.7	14.5	15.3	16.0	16.8	17.5	18.3	19.1	19.8	20.6	20.7	20.8	20.8	20.9	21.0	21.1	21.1	21.2	21.3
-80	13.7	14.4	15.2	16.3	18.1	20.6	23.8	27.9	32.6	37.4	41.8	46.2	50.6	54.7	58.7	62.2	65.1	67.3	68.8
-70	13.7	14.3	16.1	20.6	28.8	40.2	53.7	68.6	84.9	102	120	139	157	174	189	203	213	221	226
-60	13.7	14.4	19.0	31.4	51.0	75.8	106	139	175	211	249	291	333	374	411	446	475	496	509
-50	13.7	14.8	24.3	47.3	80.4	123	173	228	291	359	431	512	603	699	792	877	948	1000	1030
-40	13.7	15.5	31.0	64.9	113	174	246	330	428	544	681	839	1018	1209	1392	1555	1686	1777	1821
-30	13.7	16.3	37.8	81.8	144	223	319	436	584	774	1010	1280	1571	1876	2184	2463	2695	2856	2927
-20	13.7	16.9	43.6	96.0	170	265	382	533	740	1016	1355	1744	2175	2632	3090	3531	3884	4117	4214
-10	13.7	17.1	47.2	105	187	292	424	605	860	1203	1620	2111	2669	3278	3880	4395	4792	5067	5183
0	13.7	17.1	48.2	108	192	301	439	630	904	1275	1724	2259	2881	3546	4215	4743	5194	5466	5562
10	13.7	17.1	47.2	106	187	293	426	609	867	1211	1631	2119	2677	3293	3892	4401	4773	5050	5149
20	13.7	16.7	43.5	96.7	172	266	384	538	751	1032	1376	1763	2191	2648	3122	3555	3901	4121	4201
30	13.7	16.1	37.6	82.6	146	226	322	440	594	794	1036	1312	1610	1905	2218	2506	2747	2918	2999
40	13.7	15.2	30.6	65.4	115	178	250	335	435	557	704	873	1057	1250	1438	1606	1740	1835	1885
50	13.7	14.4	23.8	47.1	81.9	126	178	234	296	365	441	527	624	725	823	911	984	1037	1067
60	13.7	13.9	18.3	30.6	50.9	77.7	109	145	182	220	259	301	344	386	426	462	493	515	529
70	13.7	13.6	15.2	19.5	27.5	39.1	53.5	70.4	88.7	108	128	148	168	186	202	216	228	237	242
80	13.7	13.6	13.7	14.5	16.2	18.5	21.5	25.4	29.8	34.4	40.6	46.9	53.3	59.3	65.1	70.4	74.9	78.7	81.6
90	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.6	13.6	13.8	14.0	14.1	14.3	14.4	14.6	14.8	14.9	15.1	
100	13.7	13.9	14.0	14.1	14.2	14.3	14.5	14.6	14.7	14.8	14.9	14.9	15.0	15.0	15.0	15.0	15.0	14.9	14.9
110	13.7	14.0	14.3	14.6	14.9	15.2	15.6	15.9	16.2	16.6	16.9	17.1	17.4	17.5	17.7	17.8	17.8	17.8	17.7
120	13.7	14.1	14.6	15.1	15.7	16.3	16.9	17.6	18.2	18.9	19.6	20.2	20.7	21.2	21.5	21.8	22.0	22.0	21.9
130	13.7	14.3	14.9	15.6	16.5	17.4	18.4	19.5	20.6	21.7	22.8	23.9	24.9	25.7	26.4	27.0	27.3	27.5	27.5
140	13.7	14.4	15.2	16.2	17.3	18.6	20.0	21.5	23.1	24.7	26.4	28.0	29.5	30.8	32.0	32.9	33.5	33.8	33.8
150	13.7	14.5	15.5	16.6	18.0	19.6	21.4	23.4	25.5	27.7	29.9	32.1	34.1	36.0	37.6	39.0	39.9	40.4	40.4
160	13.7	14.6	15.7	17.0	18.6	20.5	22.6	25.0	27.6	30.3	33.0	35.7	38.3	40.7	42.8	44.4	45.6	46.1	46.0
170	13.7	14.6	15.8	17.3	19.0	21.1	23.4	26.1	29.1	32.1	35.3	38.4	41.4	44.2	46.7	48.7	49.9	50.3	49.8
180	13.7	14.6	15.9	17.4	19.2	21.3	23.8	26.6	29.7	33.0	36.3	39.6	42.9	46.0	48.8	51.3	53.2	54.5	55.0

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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	54.0	52.0	49.7	44.7	40.6	39.5	36.7	33.1	29.6	26.4	23.6	21.4	19.8	18.8	18.7	19.2	20.6	24.7	
-170	50.7	49.7	47.4	43.8	41.0	38.8	35.6	32.2	28.9	25.8	23.2	21.2	19.7	18.8	18.7	19.2	20.6	24.7	
-160	44.2	43.7	42.8	41.1	38.6	35.9	32.9	30.0	27.1	24.6	22.4	20.6	19.4	18.7	18.7	19.3	20.7	24.7	
-150	38.9	38.5	37.4	35.7	33.7	31.5	29.2	26.9	24.8	22.8	21.2	19.9	19.0	18.7	18.8	19.5	20.8	24.7	
-140	32.6	32.0	31.1	29.9	28.4	26.8	25.2	23.7	22.3	21.0	20.0	19.2	18.7	18.7	19.0	19.7	21.0	24.7	
-130	26.2	25.8	25.3	24.5	23.6	22.7	21.8	20.9	20.2	19.5	19.0	18.7	18.7	18.8	19.3	20.1	21.2	24.7	
-120	21.4	21.2	20.9	20.6	20.2	19.8	19.5	19.2	18.9	18.7	18.7	18.7	18.8	19.2	19.8	20.5	21.5	24.7	
-110	18.7	18.7	18.7	18.6	18.6	18.6	18.6	18.6	18.7	18.8	18.9	19.2	19.5	20.0	20.5	21.1	22.0	24.7	
-100	18.6	18.7	18.8	18.9	19.0	19.2	19.4	19.5	19.8	20.0	20.2	20.4	20.7	21.0	21.4	21.9	22.9	24.7	
-90	21.6	21.9	22.2	22.5	22.8	23.1	23.4	23.7	24.0	24.1	24.2	24.2	24.3	24.4	24.5	24.6	24.6	24.7	
-80	72.5	75.2	77.1	78.0	78.0	77.3	75.7	73.6	70.6	64.5	58.2	51.6	45.4	39.4	34.2	30.0	27.0	24.7	
-70	231	233	232	227	220	210	197	183	166	146	125	105	85.5	67.9	52.3	39.1	29.9	24.7	
-60	517	514	502	482	456	424	387	349	305	261	219	179	141	106	75.9	51.3	33.5	24.7	
-50	1039	1023	985	928	856	772	683	587	494	410	334	266	205	150	103	65.0	37.5	24.7	
-40	1827	1788	1706	1588	1442	1278	1099	918	748	596	468	362	272	196	130	78.6	41.7	24.7	
-30	2913	2810	2632	2401	2146	1873	1587	1306	1043	809	613	459	337	238	156	91.2	45.7	24.7	
-20	4154	3974	3686	3313	2895	2458	2054	1678	1327	1015	752	546	392	273	176	101	48.8	24.7	
-10	5097	4846	4436	3980	3468	2922	2415	1947	1536	1166	853	609	431	297	190	108	50.7	24.7	
0	5438	5158	4735	4197	3676	3099	2564	2061	1621	1228	894	633	446	306	196	110	51.3	24.7	
10	5076	4853	4461	4004	3505	2956	2444	1964	1547	1172	855	610	431	297	191	108	50.6	24.7	
20	4161	4003	3747	3397	2968	2524	2094	1707	1345	1023	755	547	393	274	177	101	48.6	24.7	
30	2989	2892	2722	2492	2225	1930	1633	1335	1058	816	616	461	339	239	156	91.1	45.4	24.7	
40	1891	1849	1765	1646	1495	1320	1127	934	756	600	471	365	274	197	131	78.3	41.4	24.7	
50	1075	1058	1017	955	877	788	693	595	499	414	338	269	207	151	103	64.4	37.1	24.7	
60	535	531	518	495	466	432	394	355	310	266	223	181	142	106	75.2	50.4	33.1	24.7	
70	246	247	245	239	230	219	205	189	170	148	126	105	84.9	66.6	50.8	38.1	29.5	24.7	
80	83.9	85.2	85.5	84.8	83.1	80.6	77.0	72.8	67.8	61.4	54.9	48.6	42.7	37.3	32.7	29.1	26.5	24.7	
90	15.6	16.1	16.6	17.1	17.6	18.1	18.6	19.1	19.6	20.2	20.8	21.3	21.9	22.5	23.0	23.6	24.2	24.7	
100	14.8	14.8	14.7	14.6	14.5	14.3	14.2	14.1	14.0	14.6	15.2	16.0	16.8	17.8	19.0	20.5	22.3	24.7	
110	17.6	17.5	17.3	17.0	16.7	16.4	16.1	15.7	15.5	15.6	15.8	16.2	16.7	17.5	18.4	19.6	21.3	24.7	
120	21.8	21.5	21.1	20.7	20.1	19.4	18.8	18.0	17.5	17.1	16.9	16.8	16.9	17.4	18.1	19.2	20.8	24.7	
130	27.2	26.8	26.1	25.3	24.3	23.2	22.1	21.0	19.9	19.0	18.2	17.6	17.4	17.5	18.0	19.1	20.6	24.7	
140	33.4	32.8	31.8	30.6	29.1	27.5	25.9	24.2	22.6	21.0	19.7	18.7	18.0	17.8	18.1	18.9	20.5	24.7	
150	39.9	38.9	37.6	35.9	33.9	31.9	29.7	27.4	25.2	23.1	21.2	19.7	18.6	18.1	18.2	18.9	20.4	24.7	
160	45.2	44.0	42.4	40.5	38.4	35.9	33.1	30.3	27.4	24.8	22.5	20.6	19.2	18.4	18.3	19.0	20.4	24.7	
170	48.6	47.0	45.9	42.9	40.7	38.7	35.6	32.3	29.0	26.0	23.3	21.2	19.6	18.7	18.5	19.1	20.5	24.7	
180	54.0	52.0	49.7	44.7	40.6	39.5	36.7	33.1	29.6	26.4	23.6	21.4	19.8	18.8	18.7	19.2	20.6	24.7	

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