

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	521.1 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	-3.0 degrees horizontal

Beam Spread	At 10% of Imax	105.7V x 106.1H
	At 50% of Imax	92.9V x 92.8H
	At 90% of Imax	62.2V x 64.0H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	938.6 lumens per klm.
	To 50% of Imax	858.3 lumens per klm.
	To 90% of Imax	453.5 lumens per klm.

Upward LOR	2.2 %
Downward LOR	97.8 %

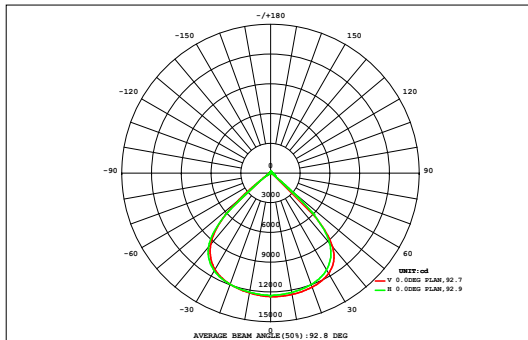
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-05-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:218.54V I:0.7028A P:151.68W PF:0.9875 Freq:49.99Hz Lamp Flux:23936.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:157.81lm/W	
MODEL	FL-02	Imax(cd)	12472
NOMINAL POWER(W)	150W	AVAILABILITY(%)	93.8
RATED VOLTAGE(V)		Avai. FLUX(lm)	22456
NOMINAL FLUX(lm)	23936.8	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	23937
TEST VOLTAGE(V)	220	θ @50%(H,V)	93,93DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.10	0.28	0.47	0.66	0.86	1.08	1.29	1.47	1.59	1.64	1.61	1.51	1.34	1.14	0.98	0.76	0.48	0.17	17.4	0.00
90	0.10	0.30	0.60	1.02	1.52	2.12	2.75	3.31	3.70	3.80	3.58	3.15	2.59	2.04	1.61	1.11	0.61	0.18	34.1	0.00
80	0.10	0.37	0.89	1.66	2.63	3.98	5.54	6.93	7.80	7.93	7.30	6.10	4.66	3.39	2.46	1.56	0.76	0.20	64.3	0.00
70	0.10	0.47	1.26	2.54	4.72	8.10	12.7	20.8	31.7	35.2	27.5	15.7	9.04	5.70	3.58	2.09	0.94	0.22	182	61.4
60	0.11	0.58	1.67	3.88	8.47	21.3	80.2	163	212	218	184	118	43.5	10.4	5.13	2.66	1.13	0.24	1075	1010
50	0.12	0.69	2.13	5.73	18.1	108	235	299	323	322	298	246	151	37.4	7.22	3.28	1.31	0.26	2057	2015
40	0.12	0.79	2.60	7.96	57.6	212	299	339	355	352	332	292	220	93.9	11.5	3.89	1.47	0.28	2581	2549
30	0.13	0.86	3.02	10.7	109	256	321	354	367	364	345	310	249	137	20.2	4.43	1.60	0.29	2854	2825
20	0.13	0.90	3.26	13.7	137	271	330	361	374	370	353	319	260	155	27.1	4.79	1.69	0.30	2982	2955
10	0.13	0.91	3.31	13.5	135	269	329	360	373	372	355	320	259	154	26.7	4.84	1.71	0.30	2978	2950
0	0.13	0.90	3.15	10.7	102	251	319	353	367	366	348	311	246	132	19.3	4.60	1.65	0.29	2836	2806
-10	0.13	0.85	2.83	8.21	50.4	198	292	336	354	352	332	289	213	86.4	11.3	4.16	1.55	0.28	2532	2496
-20	0.12	0.77	2.42	6.25	16.6	87.8	213	287	315	314	289	233	136	32.3	7.90	3.63	1.41	0.27	1947	1898
-30	0.12	0.67	1.99	4.59	9.34	18.8	62.6	137	187	194	162	99.5	35.5	11.3	6.00	3.05	1.23	0.25	936	858
-40	0.11	0.56	1.57	3.30	6.03	9.64	13.7	19.4	26.7	29.4	23.9	15.9	11.0	7.29	4.49	2.46	1.04	0.23	177	35.2
-50	0.11	0.45	1.16	2.30	3.85	5.66	7.48	8.99	9.91	10.1	9.53	8.28	6.62	4.85	3.24	1.89	0.86	0.21	85.5	0.00
-60	0.11	0.37	0.82	1.50	2.36	3.26	4.15	4.90	5.42	5.56	5.29	4.72	3.93	3.06	2.19	1.36	0.69	0.19	49.9	0.00
-70	0.11	0.35	0.66	1.02	1.43	1.78	2.09	2.33	2.50	2.56	2.52	2.37	2.12	1.79	1.39	0.96	0.56	0.18	26.7	0.00
-80	0.11	0.35	0.66	1.02	1.43	1.78	2.09	2.33	2.50	2.56	2.52	2.37	2.12	1.79	1.39	0.96	0.56	0.18	26.7	0.00
-90	0.11	0.35	0.66	1.02	1.43	1.78	2.09	2.33	2.50	2.56	2.52	2.37	2.12	1.79	1.39	0.96	0.56	0.18	26.7	0.00
HORIZONTAL (DEG)																				
Φ t	2.05	11.1	33.8	99.3	667	1727	2531	3058	3317	3321	3079	2595	1854	879	162	51.5	20.7	4.36	23413	---
Φ a	0.00	0.00	0.00	9.47	586	1656	2467	2996	3256	3261	3020	2536	1792	809	67.0	0.00	0.00	0.00	---	22456

one-half-peak spread: U:45.9,D:47.1 , L:42.7,R:50.2

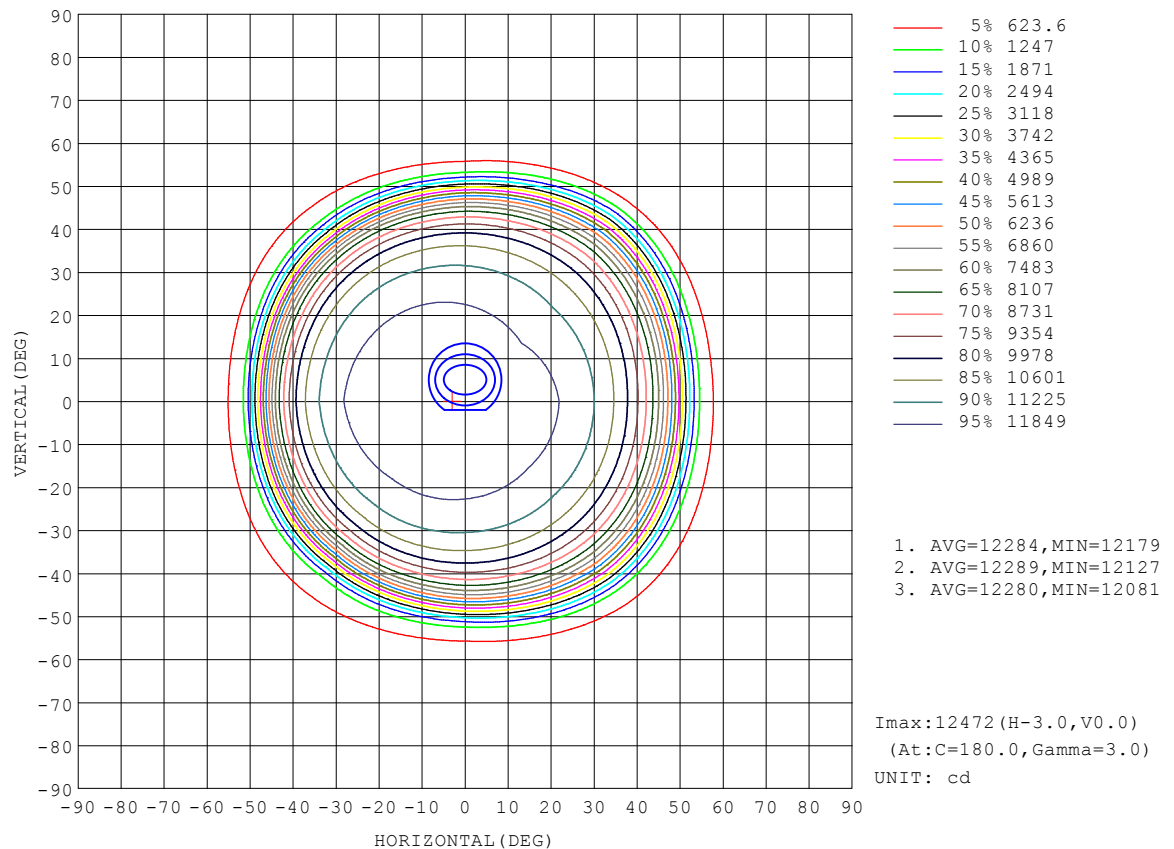
NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-05-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:218.54V I:0.7028A P:151.68W PF:0.9875 Freq:49.99Hz Lamp Flux:23936.8x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

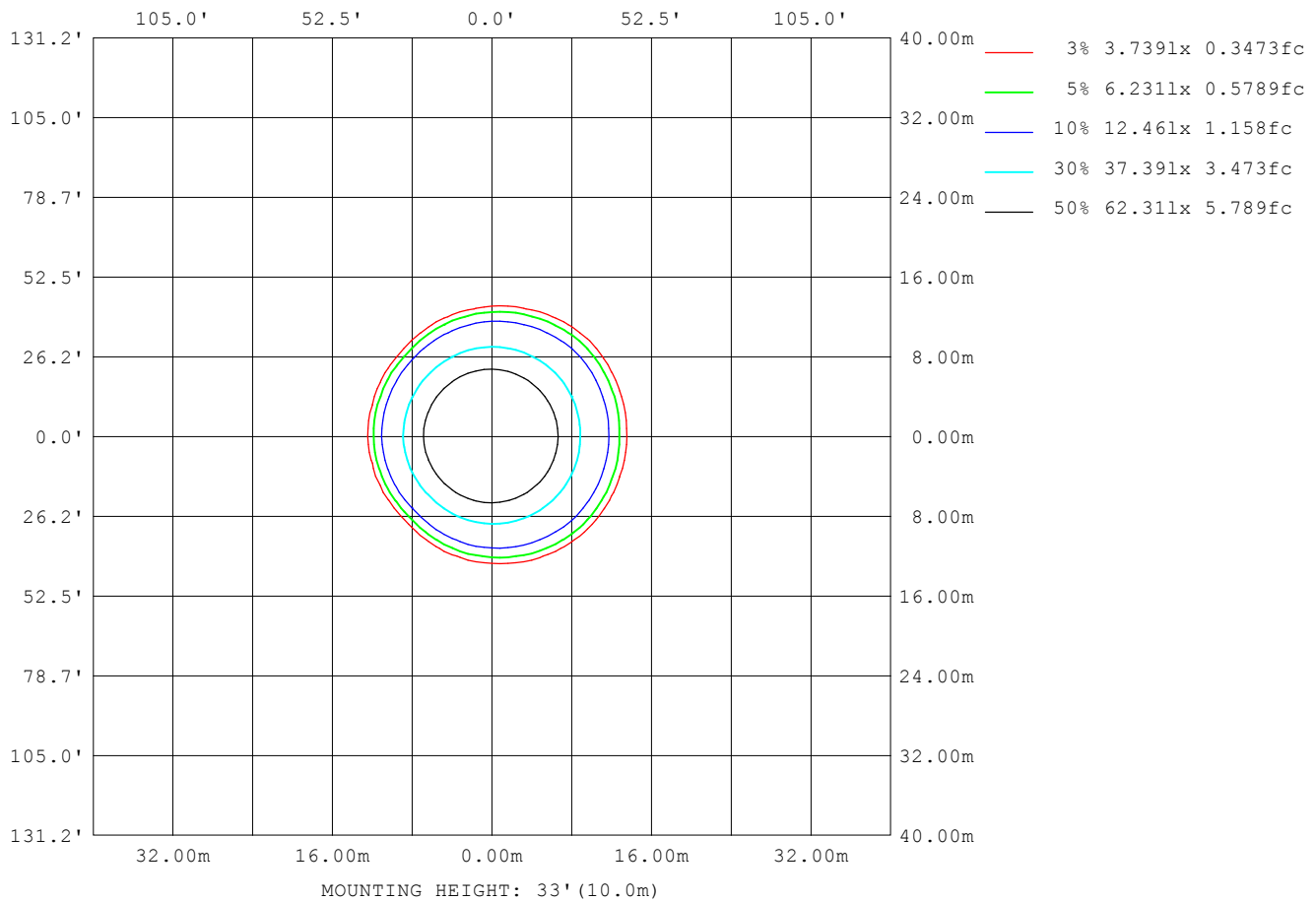


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Remarks:

ISOLUX DIAGRAM

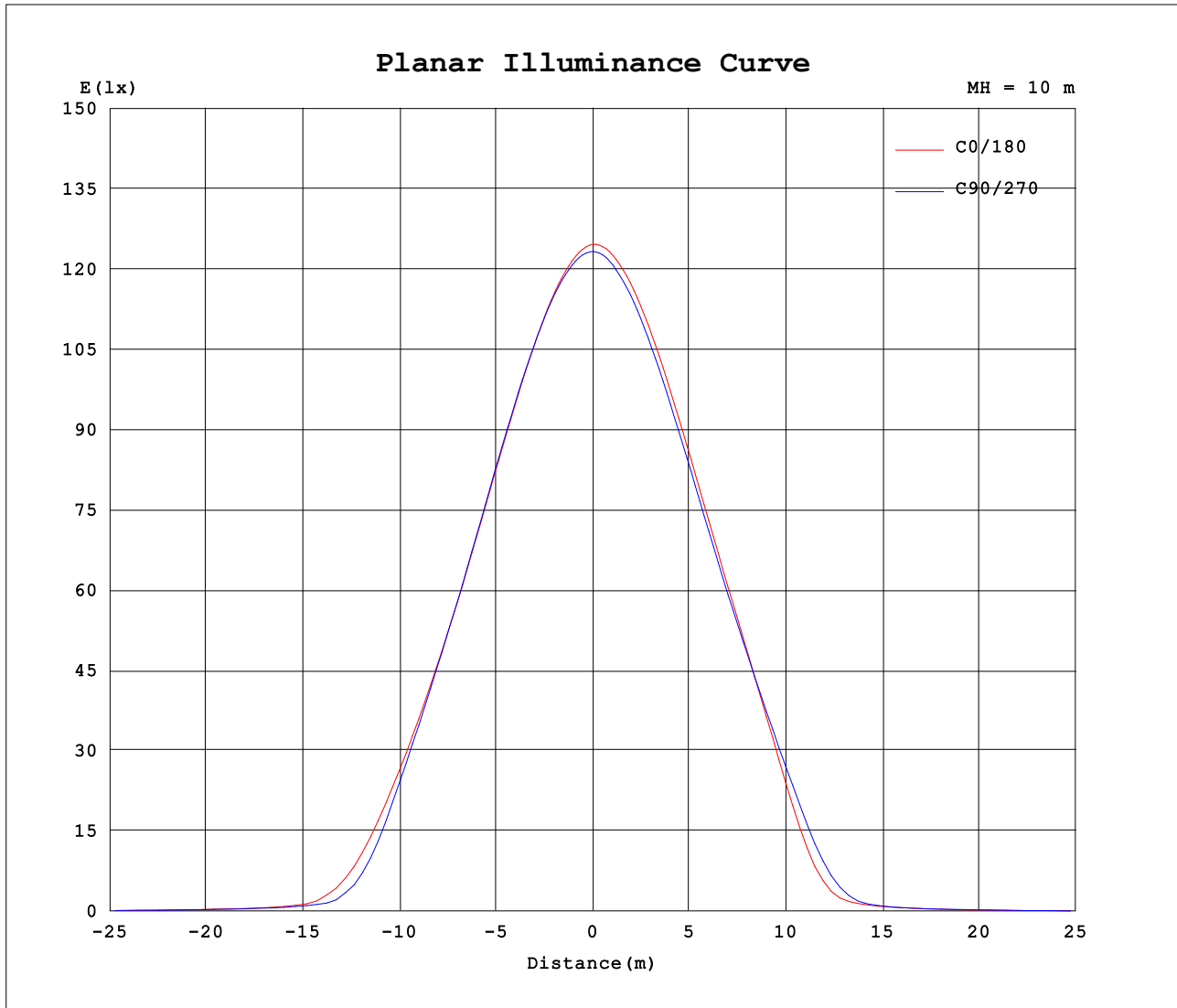
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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.200m [K=1.0000]
 Remarks:

Planar Illuminance Curve

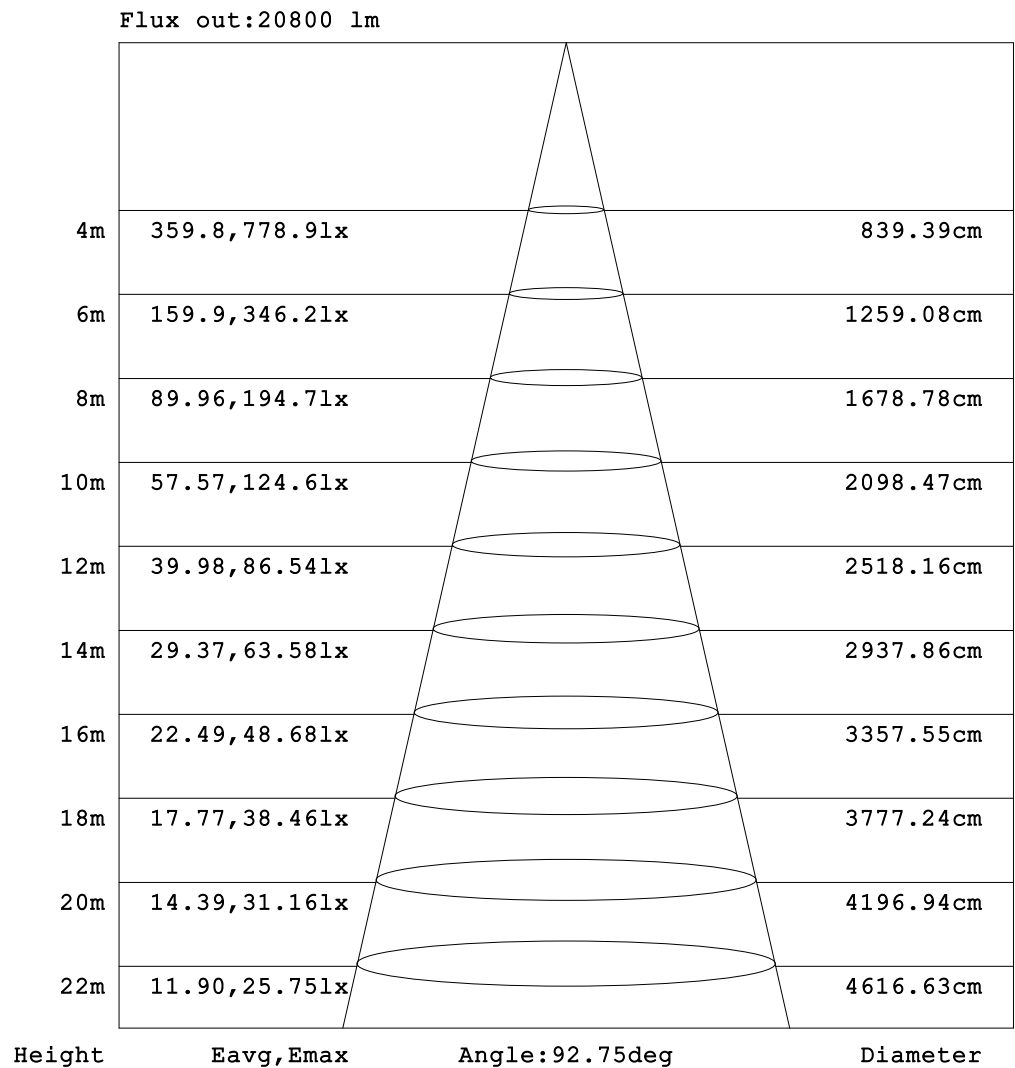


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-05-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

AAI Figure

Test:U:218.54V I:0.7028A P:151.68W PF:0.9875 Freq:49.99Hz Lamp Flux:23936.8x1 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: 2024-05-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:218.54V I:0.7028A P:151.68W PF:0.9875 Freq:49.99Hz Lamp Flux:23936.8x1 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	3.69	4.15	4.73	5.37	6.07	6.77	7.50	8.52	9.71	10.8	11.8	12.6	13.5	14.5	15.7	16.6	17.1	17.4	17.4
-170	3.69	4.16	4.73	5.35	6.02	6.69	7.40	8.33	9.41	10.5	11.4	12.2	12.9	13.7	14.6	15.2	15.6	16.0	16.2
-160	3.69	4.16	4.70	5.27	5.89	6.51	7.15	7.92	8.83	9.76	10.6	11.4	12.0	12.5	13.1	13.5	13.9	14.3	14.4
-150	3.69	4.15	4.63	5.15	5.69	6.24	6.80	7.39	8.09	8.82	9.54	10.2	10.8	11.2	11.7	12.0	12.1	12.0	11.9
-140	3.69	4.12	4.55	4.99	5.44	5.90	6.36	6.82	7.31	7.83	8.35	8.81	9.29	9.78	10.2	10.6	10.8	11.0	11.0
-130	3.69	4.09	4.46	4.82	5.17	5.53	5.88	6.23	6.57	6.91	7.25	7.58	7.90	8.18	8.42	8.63	8.78	8.87	8.89
-120	3.69	4.06	4.37	4.65	4.91	5.17	5.42	5.66	5.88	6.09	6.29	6.48	6.66	6.83	6.97	7.08	7.16	7.20	7.20
-110	3.69	4.02	4.29	4.51	4.71	4.88	5.04	5.19	5.32	5.45	5.55	5.63	5.71	5.77	5.83	5.88	5.91	5.92	5.92
-100	3.69	3.98	4.23	4.44	4.62	4.78	4.91	5.02	5.12	5.21	5.21	5.20	5.20	5.19	5.19	5.19	5.18	5.18	5.17
-90	3.69	3.93	4.18	4.42	4.67	4.91	5.16	5.40	5.65	5.89	5.91	5.93	5.95	5.97	5.99	6.01	6.03	6.05	6.07
-80	3.69	3.89	4.14	4.47	4.88	5.39	5.97	6.66	7.42	8.20	8.79	9.34	9.87	10.4	10.8	11.3	11.6	11.9	12.1
-70	3.69	3.85	4.22	4.93	6.11	7.51	9.01	10.6	12.3	14.0	15.6	17.2	18.7	20.1	21.4	22.5	23.4	24.1	24.5
-60	3.69	3.83	4.50	6.13	8.07	10.3	13.0	15.7	18.7	22.1	25.8	29.2	32.5	35.7	38.5	41.0	42.8	43.9	44.4
-50	3.69	3.83	5.11	7.39	10.3	13.6	17.3	21.9	27.6	34.3	41.9	49.9	58.2	69.3	90.5	137	191	242	272
-40	3.69	3.86	5.77	8.56	12.4	16.6	22.3	29.9	40.1	52.5	69.3	112	277	511	696	811	879	914	928
-30	3.69	3.91	6.27	9.78	14.1	19.6	27.8	39.9	56.5	91.8	295	618	845	975	1051	1093	1116	1127	1128
-20	3.69	3.95	6.59	10.7	15.3	22.2	33.3	49.9	83.9	324	716	949	1066	1128	1162	1182	1193	1197	1197
-10	3.69	3.94	6.73	11.1	16.0	23.8	37.3	59.1	161	579	913	1067	1143	1183	1205	1217	1221	1223	1223
0	3.69	3.90	6.67	11.0	15.9	23.9	38.2	63.0	217	679	974	1105	1170	1205	1224	1236	1243	1247	1246
10	3.69	3.89	6.58	10.8	15.4	23.1	36.5	58.9	173	605	930	1077	1149	1187	1209	1221	1226	1226	1220
20	3.69	3.84	6.30	10.1	14.3	20.8	31.6	48.8	86.6	367	767	981	1086	1140	1171	1188	1196	1198	1194
30	3.69	3.75	5.87	8.99	12.7	17.5	25.3	37.4	55.5	102	363	707	909	1020	1080	1112	1130	1138	1138
40	3.69	3.66	5.30	7.63	10.9	14.2	19.1	26.2	36.4	50.0	69.9	161	377	624	789	882	937	965	975
50	3.69	3.60	4.59	6.41	8.65	11.1	13.8	17.5	22.5	28.6	36.4	45.5	56.4	72.6	111	184	262	322	355
60	3.69	3.57	3.94	5.19	6.56	8.16	9.94	11.6	13.5	15.9	18.7	22.1	25.6	28.9	32.0	34.8	36.9	38.1	38.6
70	3.69	3.58	3.63	4.00	4.81	5.69	6.54	7.44	8.38	9.20	10.2	11.3	12.5	13.6	14.6	15.5	16.3	16.9	17.2
80	3.69	3.63	3.58	3.59	3.66	3.81	4.04	4.38	4.73	5.07	5.48	5.88	6.29	6.68	7.07	7.43	7.74	8.01	8.22
90	3.69	3.68	3.68	3.68	3.68	3.67	3.67	3.67	3.66	3.66	3.66	3.65	3.65	3.65	3.64	3.64	3.63	3.63	3.63
100	3.69	3.75	3.82	3.89	3.96	4.04	4.11	4.18	4.25	4.32	4.37	4.41	4.44	4.47	4.49	4.51	4.51	4.50	4.49
110	3.69	3.82	3.98	4.14	4.31	4.49	4.66	4.83	5.00	5.15	5.29	5.42	5.53	5.62	5.69	5.74	5.78	5.79	5.77
120	3.69	3.90	4.13	4.40	4.68	4.96	5.25	5.53	5.81	6.07	6.30	6.51	6.69	6.85	6.97	7.07	7.14	7.16	7.15
130	3.69	3.96	4.29	4.66	5.04	5.44	5.84	6.23	6.60	6.95	7.29	7.65	8.02	8.36	8.65	8.87	9.02	9.10	9.11
140	3.69	4.02	4.43	4.89	5.37	5.87	6.37	6.85	7.33	7.91	8.57	9.17	9.71	10.2	10.6	10.9	11.2	11.3	11.3
150	3.69	4.07	4.55	5.09	5.66	6.24	6.82	7.41	8.16	9.03	9.84	10.6	11.2	11.8	12.2	12.5	12.8	12.9	12.9
160	3.69	4.11	4.65	5.24	5.87	6.52	7.16	7.95	8.95	9.95	10.9	11.7	12.3	13.0	13.6	14.1	14.6	14.9	14.9
170	3.69	4.14	4.70	5.34	6.01	6.70	7.40	8.35	9.48	10.6	11.5	12.3	13.1	14.0	15.0	15.8	16.3	16.6	16.6
180	3.69	4.15	4.73	5.37	6.07	6.77	7.50	8.52	9.71	10.8	11.8	12.6	13.5	14.5	15.7	16.6	17.1	17.4	17.3

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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	17.0	16.4	15.6	14.6	12.8	12.1	12.0	11.2	10.1	8.96	8.05	7.25	6.54	5.93	5.44	5.24	5.63	6.55	
-170	16.2	15.8	15.1	14.0	12.8	12.2	11.9	11.0	9.82	8.80	7.94	7.17	6.48	5.90	5.42	5.24	5.64	6.55	
-160	14.3	14.0	13.6	13.1	12.4	11.9	11.2	10.2	9.24	8.40	7.63	6.94	6.32	5.79	5.37	5.25	5.67	6.55	
-150	12.0	12.1	12.1	11.8	11.4	10.7	9.96	9.18	8.48	7.81	7.19	6.60	6.09	5.64	5.30	5.28	5.72	6.55	
-140	11.0	10.8	10.5	10.2	9.66	9.14	8.65	8.14	7.62	7.13	6.65	6.20	5.80	5.46	5.24	5.35	5.79	6.55	
-130	8.85	8.74	8.57	8.35	8.08	7.77	7.44	7.11	6.76	6.42	6.09	5.78	5.50	5.28	5.24	5.46	5.87	6.55	
-120	7.18	7.12	7.03	6.90	6.75	6.57	6.38	6.17	5.97	5.77	5.57	5.39	5.25	5.23	5.36	5.63	5.97	6.55	
-110	5.91	5.88	5.84	5.78	5.71	5.62	5.54	5.44	5.35	5.27	5.22	5.22	5.28	5.42	5.61	5.84	6.11	6.55	
-100	5.17	5.18	5.18	5.19	5.20	5.22	5.25	5.30	5.36	5.43	5.51	5.60	5.71	5.83	5.95	6.10	6.29	6.55	
-90	6.11	6.15	6.19	6.23	6.27	6.31	6.35	6.40	6.44	6.45	6.46	6.47	6.49	6.50	6.51	6.52	6.54	6.55	
-80	12.3	12.3	12.3	12.2	12.0	11.8	11.6	11.3	10.9	10.4	9.92	9.38	8.82	8.28	7.75	7.26	6.86	6.55	
-70	24.6	24.5	24.1	23.5	22.8	21.8	20.6	19.2	17.9	16.6	15.3	13.9	12.4	11.0	9.61	8.36	7.27	6.55	
-60	44.8	44.4	43.3	41.4	39.1	36.4	33.4	30.5	27.4	24.6	21.9	19.2	16.7	14.3	11.7	9.59	7.77	6.55	
-50	276	253	212	153	100.0	68.8	57.2	48.5	40.8	34.6	29.4	25.1	21.2	17.6	14.1	10.8	8.27	6.55	
-40	920	895	848	775	664	506	309	126	64.0	48.5	38.6	31.2	25.5	20.7	16.3	12.0	8.72	6.55	
-30	1122	1107	1081	1042	983	892	749	520	238	74.0	49.4	37.8	29.6	23.5	18.2	13.2	9.12	6.55	
-20	1192	1182	1165	1139	1101	1042	948	794	532	203	64.2	43.9	33.2	25.7	19.7	14.1	9.43	6.55	
-10	1221	1213	1200	1181	1152	1104	1030	909	699	355	86.6	48.4	35.7	27.1	20.7	14.7	9.62	6.55	
0	1239	1227	1213	1194	1167	1123	1053	942	749	415	102	50.0	36.7	27.7	21.1	15.0	9.69	6.55	
10	1212	1201	1192	1175	1149	1105	1035	918	713	369	89.1	47.3	34.8	26.5	20.3	14.5	9.55	6.55	
20	1187	1176	1158	1135	1103	1051	965	819	565	224	63.1	41.7	31.5	24.4	19.0	13.8	9.30	6.55	
30	1130	1115	1092	1058	1007	926	793	574	276	77.3	45.9	34.8	27.1	21.8	17.3	12.7	8.94	6.55	
40	966	942	900	834	734	586	379	168	61.8	43.3	34.0	27.4	22.6	18.8	15.2	11.5	8.50	6.55	
50	356	328	274	202	133	74.2	51.1	40.7	33.8	28.4	24.2	20.9	18.2	15.6	12.9	10.2	8.01	6.55	
60	38.6	37.9	36.3	33.9	31.2	28.2	25.1	22.0	20.0	18.4	16.9	15.5	14.0	12.4	10.6	8.95	7.49	6.55	
70	17.2	17.1	16.7	16.1	15.5	14.7	13.8	12.7	12.0	11.8	11.4	11.0	10.2	9.38	8.56	7.73	6.98	6.55	
80	8.26	8.24	8.17	8.06	7.91	7.74	7.55	7.33	7.12	7.22	7.24	7.20	7.09	6.96	6.80	6.65	6.57	6.55	
90	3.65	3.68	3.70	3.72	3.75	3.77	3.80	3.82	3.85	4.15	4.45	4.75	5.05	5.35	5.65	5.95	6.25	6.55	
100	4.47	4.44	4.40	4.35	4.30	4.24	4.17	4.10	4.04	4.14	4.28	4.45	4.66	4.91	5.21	5.58	6.02	6.55	
110	5.75	5.69	5.62	5.53	5.42	5.29	5.14	4.98	4.84	4.75	4.69	4.66	4.70	4.83	5.06	5.40	5.86	6.55	
120	7.12	7.05	6.95	6.81	6.64	6.45	6.22	5.97	5.74	5.51	5.30	5.10	4.94	4.89	4.99	5.29	5.76	6.55	
130	9.03	8.87	8.64	8.33	7.98	7.62	7.28	6.96	6.64	6.29	5.94	5.61	5.31	5.07	5.00	5.21	5.69	6.55	
140	11.2	11.0	10.7	10.3	9.81	9.23	8.63	8.02	7.50	7.03	6.56	6.11	5.68	5.32	5.08	5.17	5.64	6.55	
150	12.8	12.5	12.2	11.9	11.4	10.8	10.1	9.24	8.44	7.72	7.12	6.55	6.02	5.55	5.20	5.16	5.61	6.55	
160	14.6	14.1	13.6	12.9	12.3	11.9	11.2	10.3	9.27	8.36	7.58	6.90	6.28	5.74	5.31	5.18	5.60	6.55	
170	16.3	15.8	15.0	13.9	12.7	12.2	11.9	11.0	9.85	8.80	7.91	7.15	6.46	5.87	5.40	5.21	5.61	6.55	
180	17.0	16.4	15.6	14.6	12.8	12.1	12.0	11.2	10.1	8.96	8.05	7.25	6.54	5.93	5.44	5.24	5.63	6.55	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-05-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks: