

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)		1791.2 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I <sub>max</sub> At 50% of I <sub>max</sub> At 90% of I <sub>max</sub>	83.2V x 81.8H 32.8V x 31.9H 7.5V x 11.7H
Beam Flux	Total To 10% of I <sub>max</sub> To 50% of I <sub>max</sub> To 90% of I <sub>max</sub>	1000.0 lumens per klm. 816.9 lumens per klm. 311.1 lumens per klm. 35.6 lumens per klm.
	Upward LOR Downward LOR	0.0 % 100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

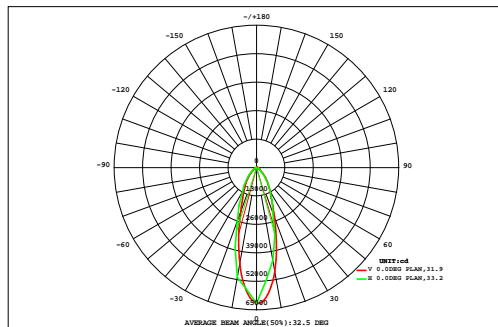
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:30 June 2022

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:11.900m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.2V I:1.125A P:248.9W PF:0.9935 Freq:49.99Hz Lamp Flux:34638.2x1 lm		
NAME: FL250W-07-G11	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:139.14lm/W	
MODEL		Imax(cd)	62043
NOMINAL POWER(W)	250	AVAILABILITY(%)	82.3
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	28520
NOMINAL FLUX(lm)	34638.2	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	34638
TEST VOLTAGE(V)	220	q @50%(H,V)	32,33DEG

VERTICAL( DEG)	AREA FLUX DIAGRAM																UNIT:lm			F t	F a
	72	64	56	48	40	32	24	16	8	0	8	16	24	32	40	48	56	64	72		
72	1.01	2.15	3.83	5.97	8.20	10.4	12.6	14.4	15.6	15.7	14.6	12.8	10.6	8.39	6.15	4.03	2.29	1.08	150	0.00	
64	1.50	3.30	5.94	9.22	12.8	16.8	21.0	24.7	27.1	27.3	25.3	21.7	17.5	13.4	9.80	6.49	3.70	1.72	249	0.00	
56	1.93	4.40	8.07	12.9	19.1	27.0	37.2	47.4	54.3	55.4	50.3	40.7	30.0	21.3	14.5	9.37	5.35	2.51	442	0.00	
48	2.48	5.70	10.6	17.8	29.2	46.2	68.0	88.7	102	104	95.0	76.9	54.7	35.1	21.2	12.5	6.90	3.23	780	107	
40	3.39	7.62	14.3	26.9	49.4	83.1	122	155	174	176	158	126	86.9	52.3	28.7	15.1	7.87	3.57	1290	865	
32	3.97	8.99	18.3	39.0	75.5	126	182	234	274	277	239	186	129	77.1	39.6	18.9	9.37	4.23	1942	1630	
24	4.20	9.80	21.6	49.4	96.6	164	250	366	478	487	383	265	177	107	55.5	24.8	11.3	5.13	2955	2701	
16	4.32	10.2	23.2	55.3	110	191	319	547	800	852	645	383	224	133	70.7	30.9	13.1	5.85	4417	4193	
8	4.62	10.9	25.4	61.8	123	211	370	684	1038	1116	827	462	248	143	76.5	33.1	13.7	6.05	5454	5244	
0	5.27	12.2	29.6	70.8	135	232	424	769	1087	1070	737	401	222	130	67.5	28.7	12.3	5.49	5439	5230	
-8	4.97	11.4	26.3	61.7	119	202	326	525	716	725	539	334	205	121	63.2	27.5	12.2	5.49	4025	3797	
-16	4.28	9.76	20.5	45.8	90.6	153	226	310	399	428	367	266	176	106	56.7	26.1	12.0	5.52	2703	2440	
-24	3.72	8.44	16.6	33.9	65.6	112	167	217	256	264	236	187	133	82.2	44.7	22.1	11.0	5.22	1865	1540	
-32	3.40	7.51	14.3	26.3	46.9	77.3	113	143	160	160	146	120	85.4	53.1	30.2	16.7	9.25	4.50	1217	758	
-40	3.21	6.81	12.3	20.3	32.0	48.7	68.2	84.5	92.0	90.5	81.0	63.8	44.4	29.4	19.2	12.1	7.05	3.45	719	17.1	
-48	2.47	5.09	8.89	13.6	19.0	24.9	31.3	37.8	42.3	42.7	39.0	33.2	27.0	20.7	14.8	9.77	5.72	2.89	381	0.00	
-56	1.71	3.42	5.92	9.10	12.5	16.2	19.8	23.0	25.2	25.9	24.7	21.9	18.2	14.3	10.6	7.21	4.38	2.32	246	0.00	
-64	1.24	2.25	3.71	5.55	7.54	9.49	11.3	12.8	13.7	14.0	13.3	12.1	10.4	8.47	6.49	4.57	2.89	1.64	142	0.00	
-72	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL( DEG)	16	24	32	40	48	56	64	72				
F t	57.7	130	269	565	1053	1751	2768	4283	5756	5930	4619	3012	1900	1156	636	310	150	69.9	34416	---	
F a	0.00	0.00	0.00	59.3	519	1341	2418	3927	5418	5607	4302	2654	1513	671	92.0	0.00	0.00	0.00	---	28520	

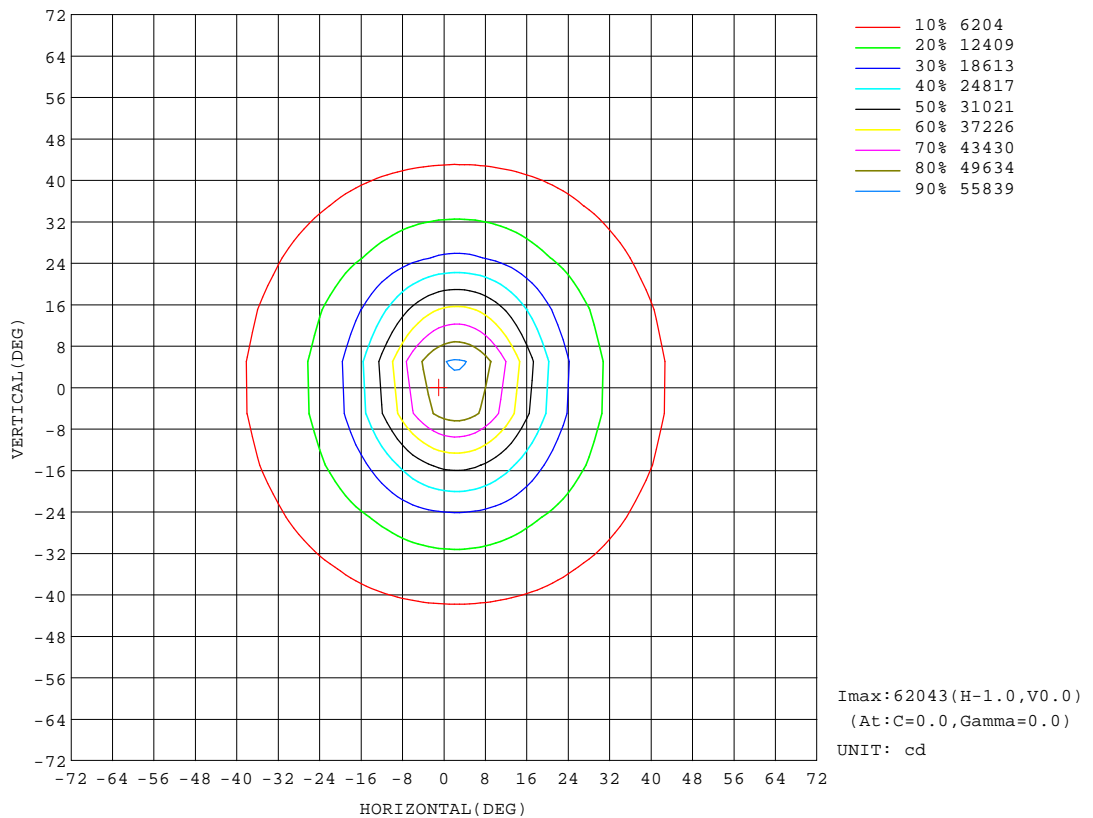
one-half-peak spread: U:15.5,D:17.6 , L:15.8,R:16.4 NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:30 June 2022

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:11.900m [K=1.0000]  
Remarks:

ISOCANDELA DIAGRAM

Test:U:221.2V I:1.125A P:248.9W PF:0.9935 Freq:49.99Hz Lamp Flux:34638.2x1 lm		
NAME: FL250W-07-G11	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

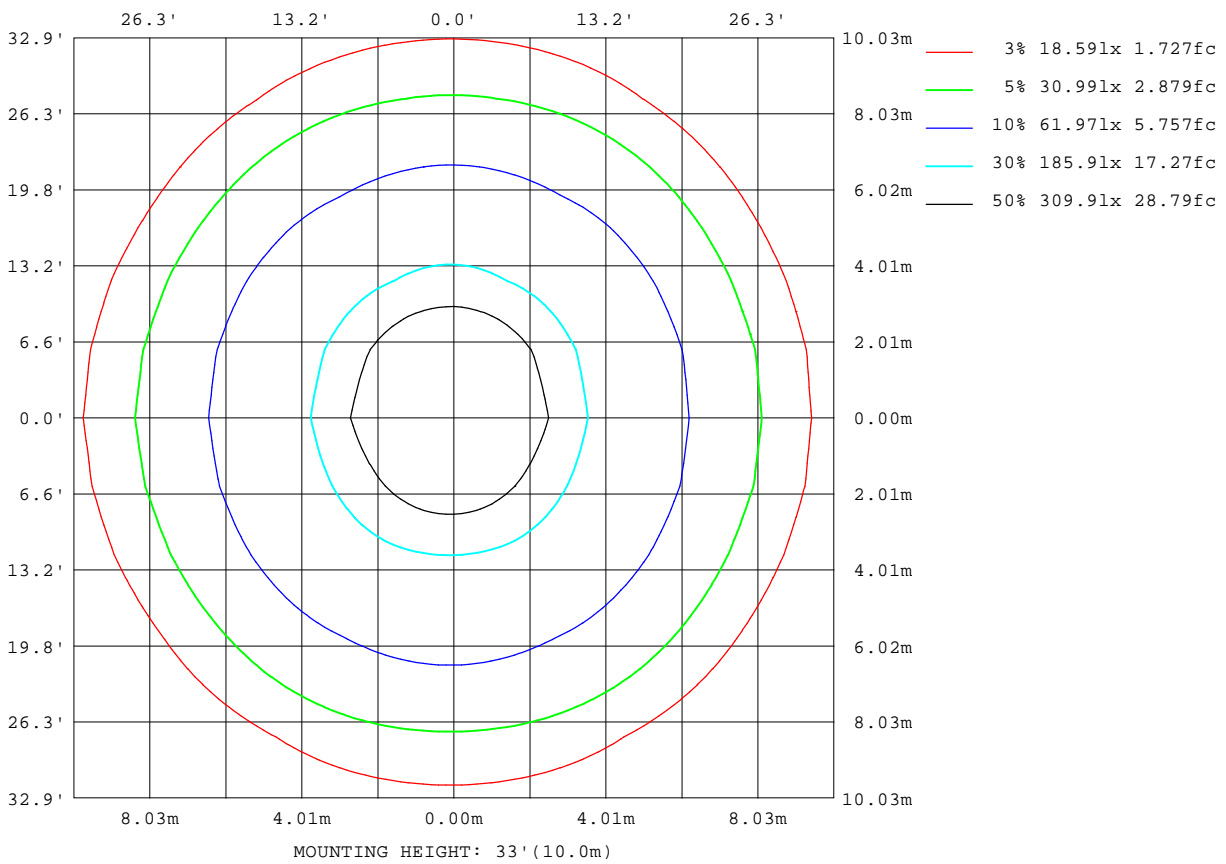


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ISOLUX DIAGRAM

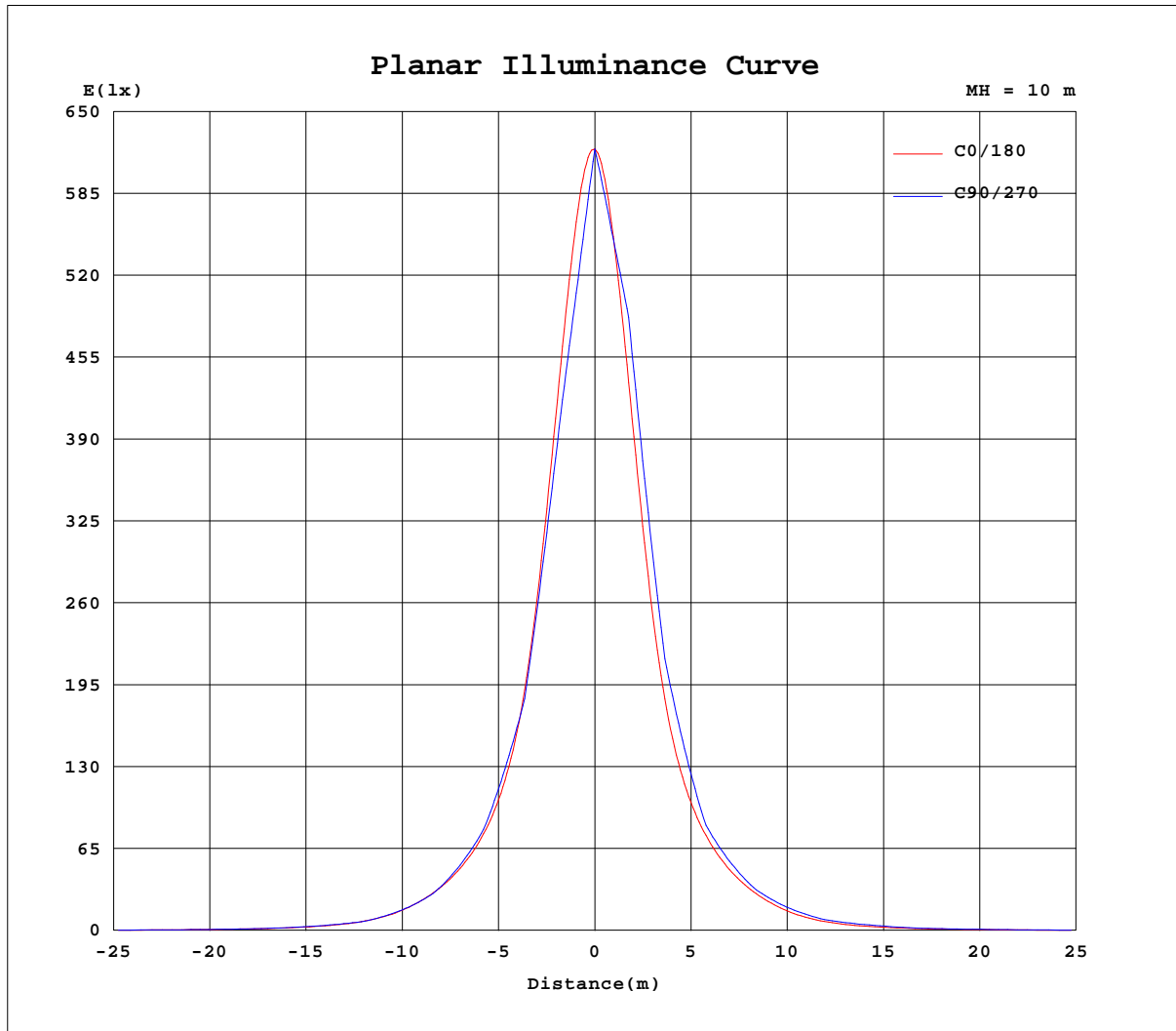
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Remarks:

Planar Illuminance Curve



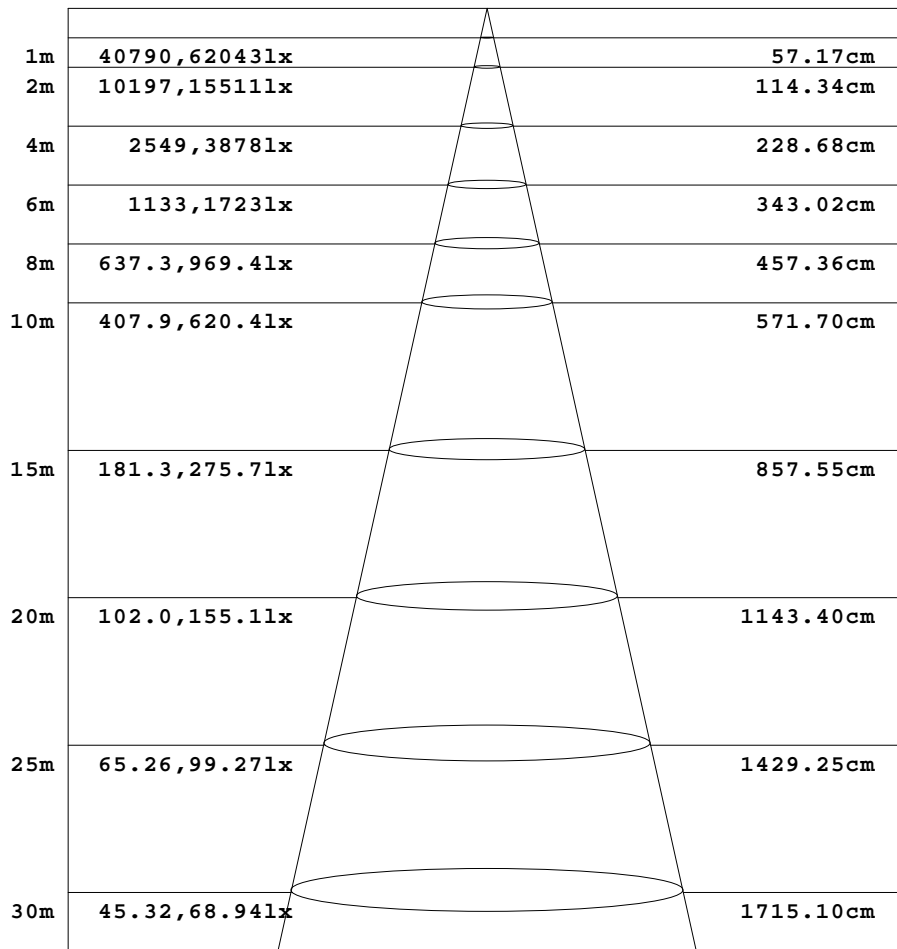
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 Test Speed: HIGH  
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 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
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 Remarks:

**AAI Figure**

Test:U:221.2V I:1.125A P:248.9W PF:0.9935 Freq:49.99Hz Lamp Flux:34638.2x1 lm		
NAME: FL250W-07-G11	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:10536 lm



Height                      Eavg, Emax                      Angle:31.91deg                      Diameter

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

H(β) Range:-90 - 90DEG  
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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.2V I:1.125A P:248.9W PF:0.9935 Freq:49.99Hz Lamp Flux:34638.2x1 lm		
NAME: FL250W-07-G11	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: x10cd

H( DEG) V( DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	8.82	9.90	10.6	10.9	11.3	11.7	12.2	12.9	13.6	14.2	15.0	15.8	16.5	17.1	17.7	18.2	18.7	19.1	19.2
-75	8.58	9.43	10.7	11.6	12.7	14.2	16.0	18.2	20.6	23.2	25.7	28.3	30.7	32.9	35.0	36.8	38.4	39.7	40.6
-70	9.02	10.5	11.8	13.4	15.8	18.7	22.2	26.3	30.7	35.1	39.5	43.8	47.6	51.2	54.6	57.3	59.7	61.6	62.2
-65	8.49	9.51	11.3	13.6	17.0	21.6	26.9	33.1	39.9	47.1	54.4	61.1	67.8	74.4	80.9	86.6	91.4	95.1	97.3
-60	8.82	10.6	13.3	17.6	23.4	30.6	38.7	47.9	57.7	68.0	77.4	86.5	96.0	105	114	122	128	132	133
-55	8.15	9.18	11.7	16.3	23.1	31.7	41.7	53.0	65.6	79.0	93.1	108	124	140	157	174	189	200	206
-50	8.39	10.4	15.1	22.7	32.6	44.4	57.8	72.9	89.4	107	126	148	171	195	221	245	265	277	282
-45	7.73	8.61	12.2	19.4	29.8	42.5	57.4	74.7	94.3	117	146	181	224	274	328	379	422	452	467
-40	7.77	10.2	17.1	28.0	41.7	57.8	77.3	99.4	126	161	207	264	336	417	498	568	619	649	656
-35	6.99	7.67	12.4	22.3	36.1	52.7	72.3	95.8	125	168	228	307	403	515	633	741	833	904	943
-30	6.66	9.49	18.4	32.3	49.8	70.2	94.7	125	172	242	340	460	602	755	901	1029	1138	1215	1237
-25	5.91	6.45	12.3	24.5	41.4	61.7	85.8	115	160	234	343	478	638	823	1019	1216	1420	1607	1717
-20	5.43	8.73	19.6	36.1	56.5	81.0	111	153	231	349	502	680	891	1125	1372	1647	1937	2156	2218
-15	4.93	5.36	12.0	26.1	45.3	68.6	96.2	132	196	304	461	643	858	1117	1429	1836	2363	2893	3221
-10	4.60	7.95	19.9	38.3	61.2	87.9	121	177	279	439	633	855	1125	1467	1945	2638	3450	4096	4297
-5	4.25	4.58	11.6	26.7	47.3	72.3	102	142	220	352	540	752	999	1317	1775	2497	3497	4513	5169
0	3.99	7.35	19.9	38.7	62.6	90.7	126	189	303	483	696	933	1232	1668	2394	3515	4807	5849	6197
5	3.76	4.03	10.9	26.0	46.8	71.8	101	142	221	355	545	759	1009	1333	1812	2596	3698	4823	5554
10	3.57	6.62	18.5	37.0	60.1	87.0	121	178	282	446	645	872	1151	1519	2082	2950	3987	4820	5093
15	3.48	3.69	9.98	24.1	43.6	67.1	94.9	131	197	309	472	660	882	1150	1489	1975	2646	3344	3791
20	3.39	6.16	16.9	33.5	54.4	79.2	109	153	233	359	518	704	923	1165	1433	1772	2171	2497	2602
25	3.46	3.60	8.98	21.3	38.4	59.2	83.5	113	159	238	354	496	665	857	1059	1274	1520	1768	1926
30	3.52	5.62	14.5	28.5	46.4	67.3	91.6	122	172	248	356	484	634	791	937	1064	1177	1261	1289
35	3.73	3.79	7.94	18.0	32.0	49.1	68.9	92.0	121	167	233	320	427	549	673	784	879	954	998
40	3.90	5.39	12.3	23.4	37.5	54.0	73.4	94.8	121	160	211	280	363	457	547	623	677	710	719
45	4.14	4.15	6.98	14.4	25.2	38.2	53.5	70.9	90.0	114	144	184	234	293	358	419	470	505	524
50	4.32	5.13	9.71	17.7	28.0	40.4	54.2	69.4	85.4	103	123	146	174	207	244	280	309	327	333
55	4.55	4.54	6.13	10.9	18.2	27.4	38.1	50.0	62.9	76.2	90.5	106	123	143	167	190	211	227	236
60	4.72	5.07	7.59	12.4	19.1	27.0	36.0	45.9	56.3	66.7	76.1	85.6	96.0	107	117	127	135	140	142
65	4.96	4.95	5.63	8.04	12.1	17.4	23.8	31.0	38.9	46.9	54.9	62.2	69.4	77.1	84.7	91.8	98.0	103	106
70	5.17	5.27	6.13	8.18	11.3	15.2	20.1	25.4	31.1	37.1	42.5	47.3	52.0	56.6	60.8	64.4	67.5	69.7	70.3
75	5.40	5.39	5.57	6.33	7.80	9.90	12.7	15.8	19.3	23.1	26.9	30.3	33.6	36.8	39.7	42.3	44.6	46.4	47.5
80	5.62	5.62	5.76	6.07	6.71	7.66	8.88	10.3	11.9	13.7	15.5	17.2	19.0	20.6	21.9	23.1	24.0	24.8	25.0
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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V<sub>(B)</sub> Range:-80 - 80DEG  
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Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
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Test Distance:11.900m [K=1.0000]  
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SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2

UNIT: x10cd

H( DEG) V( DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	19.2	19.0	18.7	18.3	17.8	17.1	16.5	15.7	15.0	14.3	13.6	13.0	12.4	12.0	11.6	11.3	10.5	9.45
-75	40.7	40.1	39.0	37.7	36.0	34.1	32.0	29.7	27.2	24.7	22.2	19.8	17.5	15.6	14.0	12.8	11.9	10.5
-70	61.6	59.9	57.8	55.1	51.9	48.5	44.8	40.6	36.5	32.0	27.8	23.7	20.2	17.2	14.8	13.2	11.7	10.2
-65	97.5	95.6	92.3	87.8	82.4	76.2	69.8	63.4	56.8	49.9	42.7	35.9	29.7	24.1	19.4	15.8	13.3	11.3
-60	132	128	122	114	105	96.2	87.1	78.1	68.9	59.1	49.4	40.4	32.2	25.1	19.4	15.2	12.4	10.7
-55	207	201	190	175	159	143	127	111	96.6	82.9	69.6	57.1	45.6	35.4	26.7	19.5	14.6	11.7
-50	276	262	241	217	193	170	148	126	108	90.6	74.5	59.4	46.3	34.8	24.9	17.4	12.8	10.8
-45	467	451	421	378	327	274	226	184	150	122	98.9	79.5	62.2	47.2	34.3	23.3	15.6	11.7
-40	642	607	552	478	397	319	252	200	157	124	99.5	78.1	59.5	43.7	29.8	19.1	12.6	10.5
-35	941	899	827	736	628	512	402	307	230	171	129	101	77.5	57.8	40.8	26.5	16.1	11.0
-30	1198	1110	997	868	720	570	434	317	228	164	123	94.7	71.4	50.8	33.8	20.2	11.9	9.62
-25	1711	1589	1399	1197	1004	812	629	471	337	233	162	119	90.1	66.2	45.7	28.6	16.0	10.0
-20	2101	1849	1556	1294	1056	830	629	459	312	210	144	107	79.5	56.3	36.5	20.5	10.9	8.69
-15	3209	2861	2319	1794	1396	1092	840	630	448	296	195	134	99.3	72.5	49.3	30.0	15.6	9.01
-10	3967	3242	2426	1786	1356	1041	790	578	390	251	163	116	85.6	59.9	38.2	20.8	10.2	8.04
-5	5145	4451	3417	2420	1717	1275	968	729	520	338	216	143	104	75.5	50.9	30.3	15.1	8.17
0	5613	4451	3161	2133	1502	1119	848	625	420	266	170	119	86.8	60.5	38.0	20.0	9.31	7.34
5	5535	4774	3633	2530	1760	1292	978	735	524	339	217	142	103	74.6	49.8	29.2	14.1	7.36
10	4681	3763	2724	1914	1405	1065	804	588	395	252	162	115	83.8	57.9	36.0	18.7	8.42	6.58
15	3787	3333	2628	1951	1465	1127	862	644	456	298	194	131	96.2	69.4	46.1	26.8	12.6	6.49
20	2438	2079	1683	1359	1096	859	648	470	317	209	140	102	75.0	51.9	31.9	16.3	7.19	5.65
25	1924	1764	1515	1267	1051	847	655	487	343	231	157	113	84.2	60.5	40.0	23.1	10.7	5.49
30	1250	1158	1042	910	759	600	453	326	225	159	115	87.1	63.8	43.7	26.9	13.6	5.88	4.78
35	999	955	880	785	672	546	423	317	228	165	121	92.0	69.5	49.8	32.8	18.8	8.67	4.64
40	705	668	609	528	435	342	261	196	150	114	89.9	69.2	50.8	34.8	21.2	10.6	4.79	4.21
45	524	506	471	420	358	293	233	183	143	114	90.1	71.0	53.8	38.7	25.4	14.5	7.00	4.24
50	325	305	275	238	201	169	143	120	99.7	83.0	67.1	51.7	38.1	26.2	16.0	8.37	4.42	4.16
55	236	228	212	191	168	144	124	107	91.1	77.0	63.8	50.7	38.5	27.8	18.5	10.9	5.94	4.32
60	140	134	126	116	106	94.7	84.2	74.7	65.3	55.1	44.8	34.9	25.7	17.9	11.3	6.71	4.58	4.46
65	106	103	98.3	92.2	85.3	77.7	70.0	62.7	55.5	47.9	39.8	31.9	24.5	17.9	12.3	8.05	5.46	4.73
70	69.5	67.3	63.8	60.2	56.0	51.5	47.0	42.1	36.7	31.0	25.3	20.0	15.0	11.0	7.88	5.84	5.04	4.99
75	47.6	46.6	44.8	42.6	40.1	37.3	34.2	31.0	27.6	24.0	20.2	16.5	13.3	10.3	8.02	6.37	5.46	5.24
80	24.8	24.1	23.1	22.1	20.9	19.3	17.6	15.9	14.2	12.3	10.6	9.11	7.80	6.74	6.02	5.65	5.49	5.47
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:30 June 2022

V(B) Range:-80 - 80DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:11.900m [K=1.0000]  
Remarks: