

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	814.9 cd per klm.
(Luminaire orientation as tested.)	-42.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	140.6V x 134.5H
	At 50% of Imax	30.4V x 112.1H
	At 90% of Imax	12.3V x 106.8H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	867.9 lumens per klm.
	To 50% of Imax	360.5 lumens per klm.
	To 90% of Imax	174.4 lumens per klm.

Upward LOR	2.5 %
Downward LOR	97.5 %

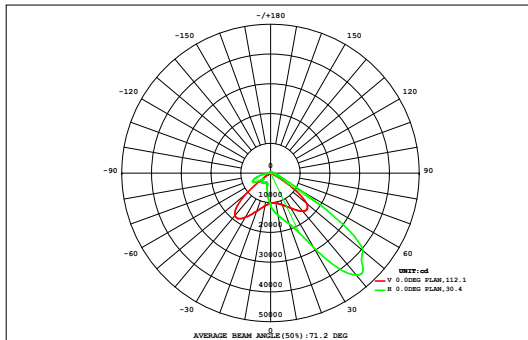
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2024-11-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:234.80V I:1.3883A P:320.37W PF:0.9828 Freq:50.03Hz Lamp Flux:55956.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:174.66lm/W	
MODEL		Imax(cd)	45598
NOMINAL POWER(W)	320	AVAILABILITY(%)	88.0
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	49224
NOMINAL FLUX(lm)	55956.7	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	55957
TEST VOLTAGE(V)	220	θ @50% (H,V)	112,30DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.50	1.90	4.00	6.82	10.3	14.4	19.0	23.4	26.9	26.8	23.0	18.5	13.8	9.69	6.22	3.54	1.68	0.46	211	0.00
90	0.60	2.77	6.95	15.1	30.0	51.0	75.1	98.8	118	118	98.5	74.7	50.4	29.3	14.3	6.24	2.28	0.50	793	139
80	0.70	3.69	12.2	31.4	59.9	94.0	129	162	188	187	161	129	93.4	59.5	30.9	11.5	3.19	0.55	1356	866
70	0.79	4.87	18.2	42.7	75.9	117	156	165	149	137	134	123	104	73.9	42.2	17.7	4.38	0.61	1366	685
60	0.86	6.09	21.6	48.4	104	186	217	199	153	149	180	164	108	71.8	46.4	21.2	5.61	0.68	1683	1227
50	0.92	6.80	22.8	61.6	185	270	271	222	157	166	242	277	221	94.0	44.9	22.1	6.38	0.74	2270	2015
40	0.96	6.94	22.6	98.7	262	314	274	210	145	157	246	323	323	180	45.8	21.3	6.58	0.78	2638	2419
30	0.98	6.61	22.0	142	313	334	282	230	179	190	266	346	383	264	59.3	19.2	6.28	0.79	3045	2925
20	0.97	5.93	20.9	173	350	360	316	282	270	282	322	390	433	320	74.5	16.2	5.58	0.78	3623	3541
10	0.97	5.68	20.8	189	397	427	379	352	361	372	393	453	501	368	90.9	16.1	5.33	0.78	4331	4251
0	0.97	5.90	21.1	182	448	544	495	449	466	476	486	559	594	399	99.2	18.3	5.56	0.78	5250	5163
-10	0.95	5.89	19.7	137	457	660	709	662	655	667	698	758	669	374	84.0	18.4	5.54	0.77	6579	6482
-20	0.91	5.65	17.8	75.5	364	682	895	1017	1099	1108	1038	901	633	273	58.8	17.1	5.24	0.73	8192	8071
-30	0.86	5.17	15.4	41.4	165	495	827	1068	1250	1246	1049	774	418	133	39.3	15.0	4.69	0.68	7546	7380
-40	0.78	4.46	12.8	28.6	62.4	157	357	599	782	770	568	325	143	60.4	28.0	12.3	3.97	0.61	3916	3638
-50	0.69	3.60	9.86	20.4	36.4	60.0	92.8	134	172	171	133	91.9	59.4	36.0	19.8	9.19	3.09	0.54	1054	423
-60	0.60	2.71	6.70	13.1	22.0	32.9	44.8	56.4	65.9	65.9	56.2	44.4	32.3	21.3	12.4	5.99	2.22	0.49	486	0.00
-70	0.50	1.87	3.88	6.59	9.96	13.8	17.8	21.6	24.6	24.5	21.3	17.4	13.2	9.31	5.98	3.43	1.65	0.46	198	0.00
-80	0.50	1.87	3.88	6.59	9.96	13.8	17.8	21.6	24.6	24.5	21.3	17.4	13.2	9.31	5.98	3.43	1.65	0.46	198	0.00
-90	0.50	1.87	3.88	6.59	9.96	13.8	17.8	21.6	24.6	24.5	21.3	17.4	13.2	9.31	5.98	3.43	1.65	0.46	198	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	14.5	86.5	279	1315	3350	4811	5556	5950	6260	6314	6116	5768	4792	2776	803	255	79.3	11.7	54536	---
Φ a	0.00	0.00	0.00	911	2986	4463	5280	5703	5864	5898	5783	5392	4330	2324	288	0.00	0.00	0.00	---	49224

one-half-peak spread: U:14.5,D:16.2 , L:14.7,R:16.5

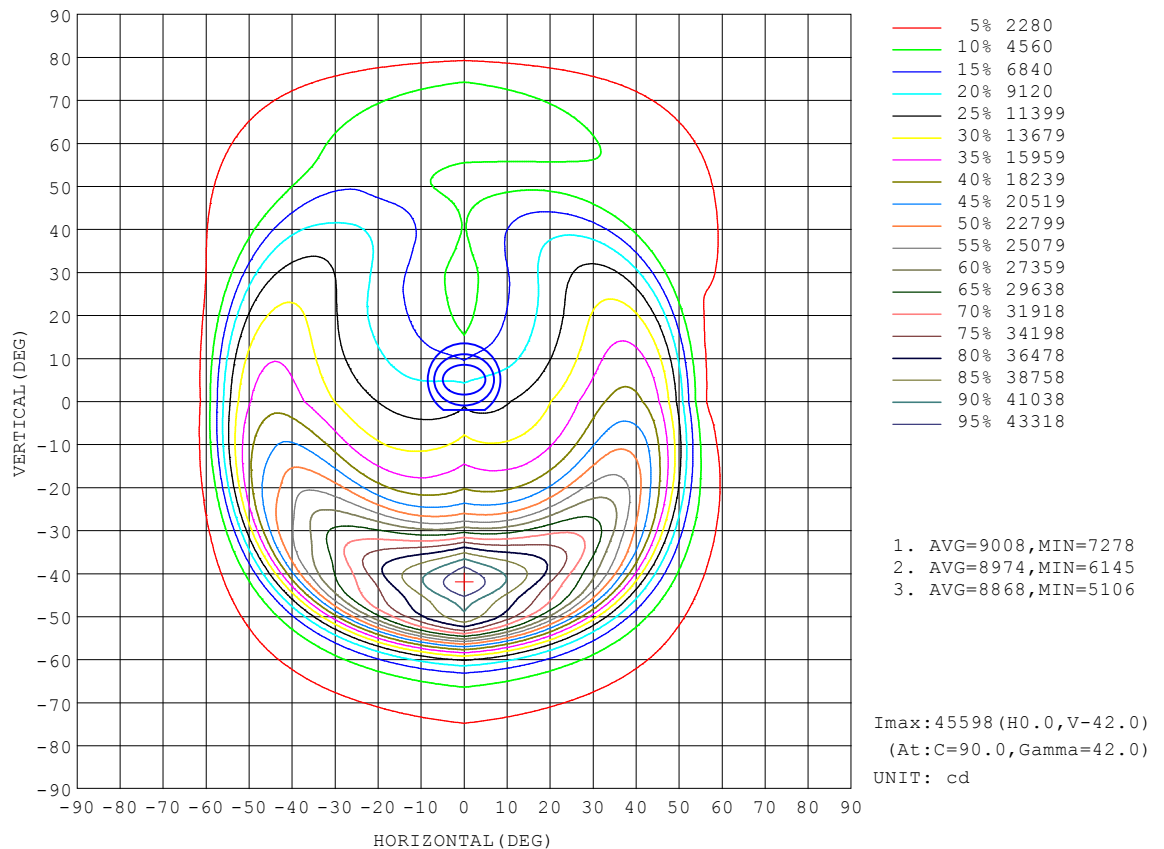
NEMA Beam Type: Type 7

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2024-11-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:234.80V I:1.3883A P:320.37W PF:0.9828 Freq:50.03Hz Lamp Flux:55956.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

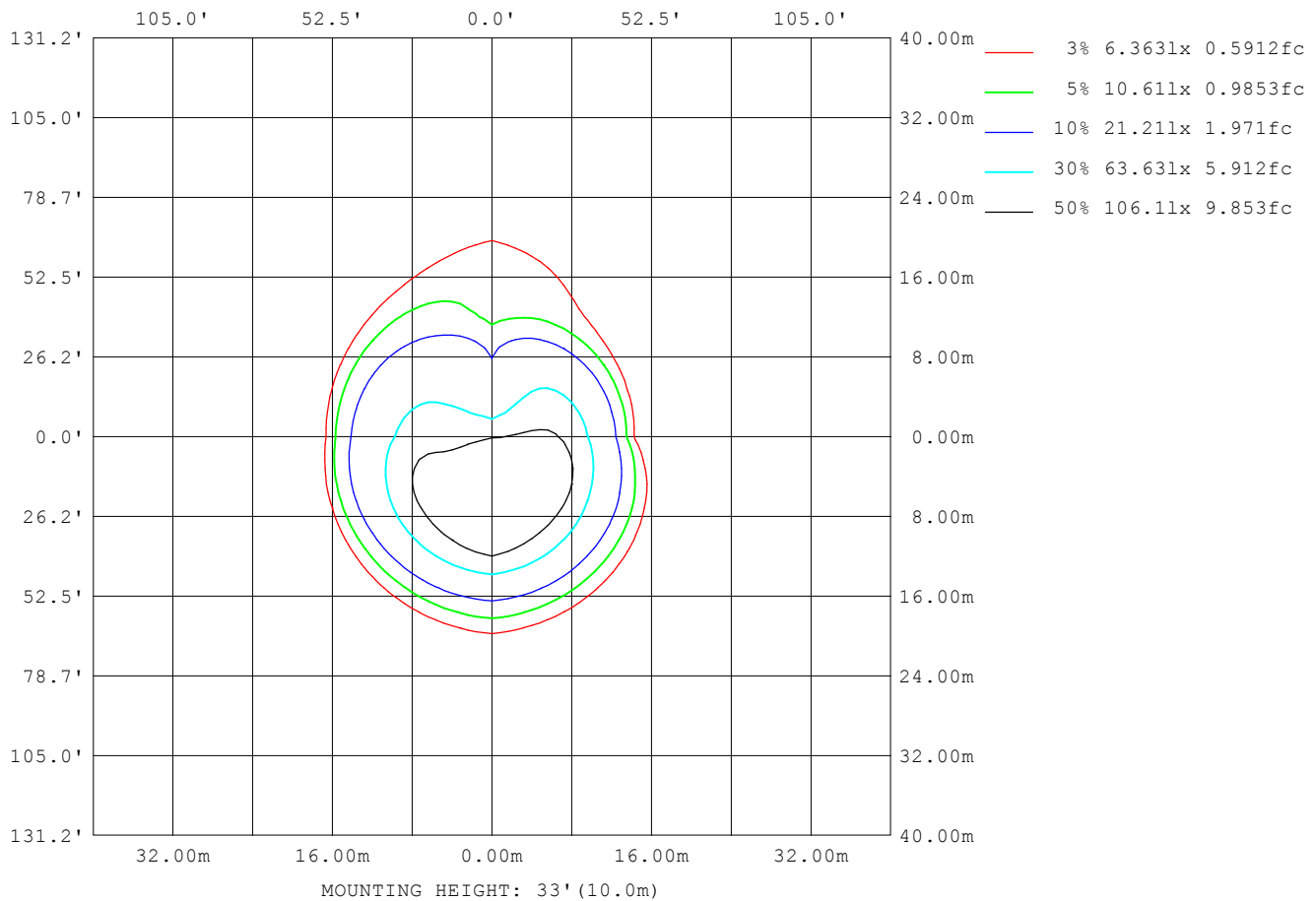


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ISOLUX DIAGRAM

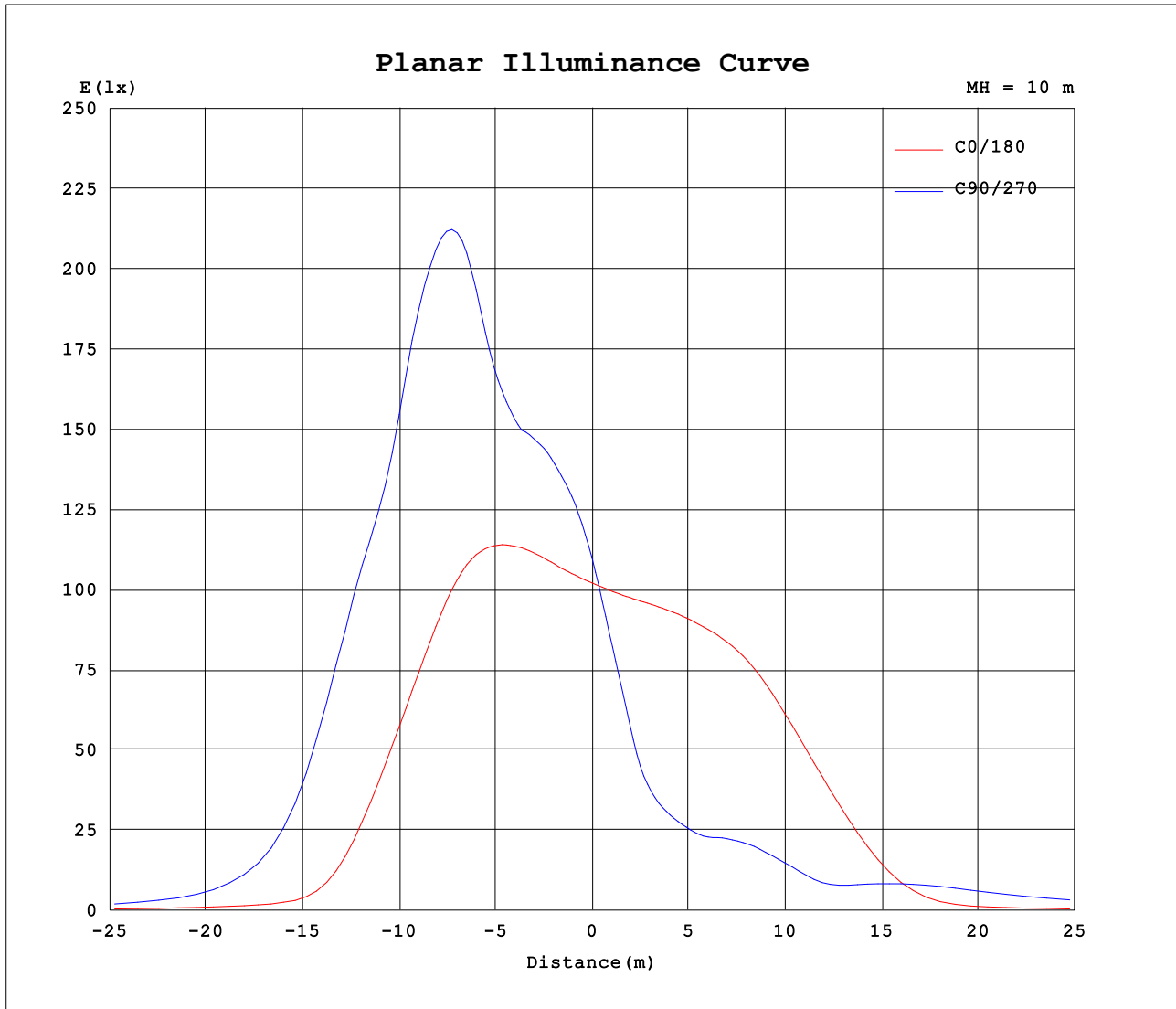
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Remarks:

Planar Illuminance Curve

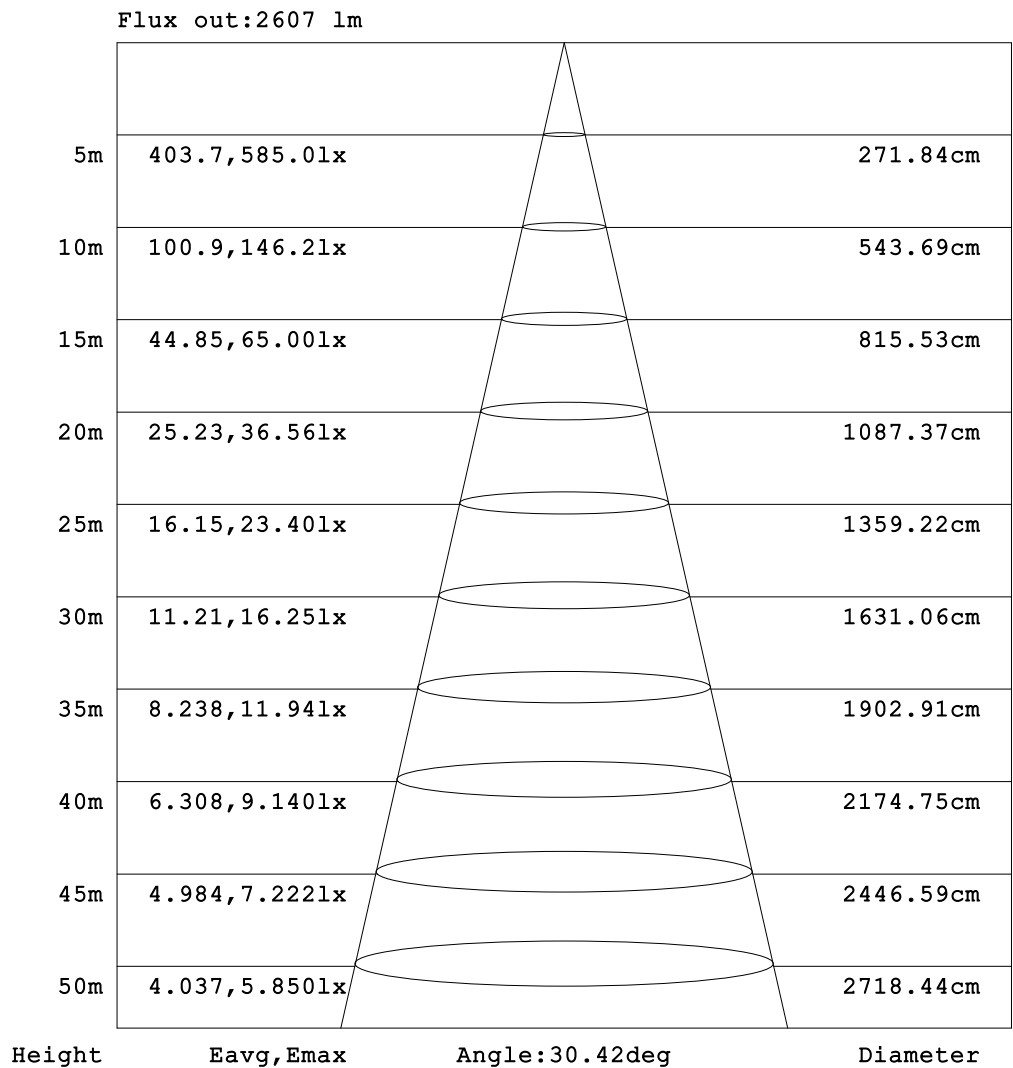


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Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.200m [K=1.0000]
Remarks:

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.

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Jason
 Test Date: 2024-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 9.200m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:234.80V I:1.3883A P:320.37W PF:0.9828 Freq:50.03Hz Lamp Flux:55956.7x1 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	15.5	8.95	10.1	11.8	13.6	15.4	17.7	21.1	24.5	26.8	28.4	29.9	31.3	32.9	34.4	35.0	35.1	34.8	34.4
-170	15.5	9.12	10.3	12.0	13.7	15.4	17.3	20.2	23.1	25.1	26.3	27.3	28.0	28.6	29.1	28.7	27.4	24.9	21.1
-160	15.5	9.30	10.5	12.0	13.6	15.1	16.6	18.8	21.2	23.0	24.0	24.5	24.7	24.6	24.2	23.5	22.2	20.2	17.7
-150	15.5	9.47	10.5	12.0	13.4	14.7	15.9	17.2	18.9	20.5	21.5	21.9	21.8	21.5	20.9	19.9	18.6	17.1	15.4
-140	15.5	9.66	10.5	11.9	13.2	14.3	15.3	16.1	17.0	18.0	18.8	19.3	19.3	19.0	18.5	17.7	16.8	15.7	14.6
-130	15.5	9.94	10.6	11.8	12.9	13.9	14.8	15.4	16.0	16.4	16.7	17.0	17.1	17.1	16.7	16.3	15.6	14.9	14.2
-120	15.5	10.7	10.7	11.6	12.7	13.6	14.4	15.1	15.6	16.0	16.3	16.4	16.5	16.5	16.4	16.3	16.1	16.0	15.8
-110	15.5	12.0	11.1	11.8	12.6	13.5	14.3	15.0	15.7	16.2	16.6	17.0	17.3	17.6	17.8	18.1	18.3	18.5	18.8
-100	15.5	14.1	13.2	13.0	13.4	14.1	14.9	15.7	16.5	17.3	18.0	18.7	19.4	20.1	20.7	21.4	22.0	22.7	23.5
-90	15.5	16.7	17.9	19.0	20.2	21.3	22.5	23.7	24.8	26.0	27.2	28.3	29.5	30.6	31.8	33.0	34.1	35.3	36.5
-80	15.5	19.3	23.5	28.3	33.7	39.9	46.8	54.4	62.7	71.6	80.8	90.2	99.7	109	118	127	135	142	148
-70	15.5	21.9	29.4	38.6	49.8	63.1	78.6	95.4	113	133	154	176	198	221	245	269	292	311	327
-60	15.5	24.4	35.1	49.0	66.6	86.8	109	136	168	210	263	326	410	525	672	831	982	1102	1179
-50	15.5	26.5	40.2	58.7	80.9	106	139	188	256	384	663	1142	1763	2395	2925	3311	3625	3853	4050
-40	15.5	28.2	44.5	66.4	91.0	124	175	263	539	1183	2011	2641	2971	3243	3584	3844	4049	4244	4469
-30	15.5	29.5	47.5	70.8	97.3	139	210	490	1257	2068	2498	2784	2997	3033	2974	2873	2786	2776	2876
-20	15.5	30.3	49.2	72.0	99.9	145	270	873	1725	2175	2414	2472	2355	2128	1896	1764	1712	1728	1805
-10	15.5	30.6	49.3	70.5	97.7	140	339	1089	1748	2003	2071	1948	1734	1525	1395	1331	1316	1346	1439
0	15.5	30.3	48.0	66.7	90.2	123	331	1053	1574	1733	1679	1523	1361	1233	1136	1067	1025	1011	1021
10	15.5	30.6	50.1	76.3	108	148	311	924	1412	1580	1540	1387	1213	1067	949	850	776	734	660
20	15.5	30.4	50.4	82.6	120	165	250	663	1157	1385	1414	1315	1157	991	849	729	616	505	388
30	15.5	29.6	48.6	83.6	125	174	228	382	778	1082	1210	1216	1135	1006	864	725	593	472	357
40	15.5	28.4	45.0	76.7	121	171	225	282	400	646	857	941	961	931	859	763	659	552	445
50	15.5	26.7	40.6	63.3	106	154	207	262	317	374	455	563	646	666	633	572	499	417	329
60	15.5	24.6	35.5	50.0	74.5	117	166	217	270	324	375	426	473	516	552	579	597	612	629
70	15.5	22.1	30.0	39.2	50.7	67.1	91.5	129	174	219	264	309	355	399	441	481	518	552	583
80	15.5	19.4	23.9	29.1	34.9	41.2	48.1	55.7	64.3	73.8	85.1	97.9	113	129	144	158	171	182	191
90	15.5	16.6	17.6	18.6	19.6	20.6	21.7	22.7	23.7	24.7	25.7	26.8	27.8	28.8	29.8	30.8	31.9	32.9	33.9
100	15.5	13.8	12.3	11.5	11.3	11.6	12.0	12.5	13.1	13.8	14.4	15.1	15.7	16.4	17.0	17.6	18.2	18.8	19.3
110	15.5	11.6	10.1	10.4	11.1	12.0	13.0	14.0	15.0	16.0	16.9	17.9	18.8	19.7	20.5	21.3	22.0	22.7	23.3
120	15.5	10.3	9.83	10.7	11.9	13.1	14.4	15.7	17.0	18.3	19.7	21.2	22.9	24.6	26.3	27.9	29.3	30.6	31.6
130	15.5	9.53	9.90	11.2	12.6	14.1	15.7	17.3	19.2	21.4	23.9	26.4	28.7	30.6	32.4	33.8	35.1	36.2	37.2
140	15.5	9.34	10.1	11.6	13.2	15.0	16.8	19.0	21.7	24.8	27.5	29.9	31.9	33.3	34.4	35.3	36.1	36.9	37.7
150	15.5	9.22	10.2	11.9	13.7	15.6	17.7	20.5	23.9	27.0	29.5	31.2	32.4	33.4	34.4	35.5	36.7	37.9	38.8
160	15.5	9.13	10.3	12.0	13.9	15.9	18.3	21.6	25.0	27.9	29.8	31.2	32.4	33.8	35.6	37.3	38.3	38.9	39.6
170	15.5	9.04	10.2	12.0	13.8	15.8	18.3	21.8	25.2	27.7	29.4	30.8	32.3	34.1	35.6	36.2	36.0	35.0	34.1
180	15.5	8.95	10.1	11.8	13.6	15.4	17.7	21.1	24.5	26.8	28.4	29.9	31.3	32.9	34.4	35.0	35.1	34.8	34.4

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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	33.9	33.5	32.9	32.1	30.4	28.1	27.2	27.4	27.2	25.1	22.3	19.9	18.4	17.2	16.1	15.3	14.9	15.4	
-170	24.4	26.3	27.3	27.5	26.5	25.3	25.3	25.8	25.5	23.7	21.4	19.5	18.3	17.2	16.2	15.5	15.0	15.4	
-160	19.9	21.5	22.4	22.7	22.6	23.0	23.7	24.1	23.4	21.9	20.1	18.9	18.0	17.1	16.3	15.6	15.1	15.4	
-150	16.8	17.9	18.9	19.8	20.7	21.5	22.1	21.8	21.1	20.0	18.9	18.3	17.6	17.0	16.3	15.7	15.3	15.4	
-140	15.7	16.7	17.7	18.6	19.2	19.6	19.6	19.4	18.9	18.5	18.2	17.8	17.4	16.8	16.3	15.8	15.4	15.4	
-130	15.0	15.7	16.4	17.0	17.4	17.7	17.8	17.9	18.0	17.9	17.8	17.5	17.2	16.8	16.4	15.9	15.5	15.4	
-120	16.1	16.4	16.8	17.1	17.3	17.6	17.8	17.9	17.9	17.9	17.7	17.5	17.3	16.9	16.5	16.1	15.7	15.4	
-110	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.6	18.5	18.4	18.2	17.9	17.6	17.2	16.8	16.4	15.9	15.4	
-100	23.0	22.6	22.3	21.9	21.6	21.2	20.9	20.6	20.2	19.8	19.4	18.9	18.4	18.0	17.4	16.8	16.2	15.4	
-90	35.3	34.1	33.0	31.8	30.6	29.4	28.3	27.1	25.9	24.8	23.6	22.4	21.3	20.1	18.9	17.8	16.6	15.4	
-80	142	134	126	117	107	97.4	87.4	77.5	67.8	58.5	49.7	41.5	34.0	27.9	23.1	19.5	17.1	15.4	
-70	311	291	269	245	220	197	175	152	130	109	90.8	73.8	57.9	43.9	31.9	22.7	17.7	15.4	
-60	1090	963	810	656	515	404	321	258	206	166	134	106	81.5	60.9	42.7	27.9	18.6	15.4	
-50	3814	3540	3168	2717	2135	1500	958	583	365	248	183	137	104	75.4	52.5	33.3	19.5	15.4	
-40	4259	4073	3860	3571	3167	2789	2310	1569	850	436	249	168	121	87.7	59.9	37.7	20.5	15.4	
-30	2816	2866	2989	3111	3158	3060	2724	2241	1570	779	354	197	133	95.3	64.9	40.9	21.7	15.4	
-20	1765	1790	1889	2072	2350	2581	2616	2384	1872	1119	450	215	136	97.0	67.1	42.4	22.5	15.4	
-10	1379	1391	1456	1579	1776	2036	2225	2189	1845	1209	455	198	128	93.2	66.3	42.4	22.7	15.4	
0	1057	1124	1226	1362	1532	1724	1876	1867	1622	1044	324	141	109	85.0	62.7	41.0	22.4	15.4	
10	767	851	976	1134	1318	1515	1664	1658	1422	873	291	170	136	104	72.1	43.2	22.7	15.4	
20	542	694	854	1026	1213	1383	1459	1385	1082	551	239	195	156	117	77.7	43.7	22.5	15.4	
30	512	673	841	1002	1131	1197	1156	953	584	300	246	214	168	123	77.7	42.0	21.8	15.4	
40	567	683	780	846	855	779	610	415	314	297	268	218	169	118	70.2	38.3	20.7	15.4	
50	378	413	430	425	405	383	379	375	355	309	257	205	151	100	57.2	33.6	19.7	15.4	
60	601	578	558	536	506	466	421	371	320	268	215	162	112	68.8	43.7	28.3	18.8	15.4	
70	552	517	480	440	398	354	308	262	216	170	124	86.7	61.8	44.7	32.5	23.3	17.9	15.4	
80	182	170	157	142	127	111	95.1	81.8	70.1	60.1	51.0	42.8	35.4	29.0	23.8	19.9	17.2	15.4	
90	32.9	31.8	30.8	29.8	28.8	27.7	26.7	25.7	24.7	23.6	22.6	21.6	20.6	19.5	18.5	17.5	16.5	15.4	
100	19.1	18.8	18.5	18.2	17.9	17.6	17.3	17.0	16.7	16.4	16.2	16.0	15.9	15.9	15.9	16.0	15.9	15.4	
110	22.9	22.5	22.0	21.4	20.8	20.2	19.6	18.9	18.3	17.7	17.1	16.6	16.1	15.7	15.4	15.4	15.5	15.4	
120	30.7	29.6	28.4	27.0	25.5	24.0	22.6	21.3	20.2	19.2	18.4	17.5	16.8	16.1	15.6	15.2	15.2	15.4	
130	36.3	35.2	34.0	32.6	31.0	29.2	27.2	25.1	23.0	21.1	19.7	18.5	17.4	16.5	15.8	15.3	15.1	15.4	
140	36.8	36.0	35.2	34.4	33.5	32.1	30.3	28.1	25.8	23.3	21.1	19.4	18.0	16.9	16.0	15.3	15.0	15.4	
150	37.5	36.0	34.5	33.4	32.7	32.1	31.4	29.9	27.6	24.9	22.3	20.1	18.5	17.2	16.2	15.4	15.0	15.4	
160	38.5	37.6	36.2	34.2	31.9	30.7	30.4	30.0	28.3	25.8	22.9	20.5	18.7	17.4	16.3	15.4	15.0	15.4	
170	34.5	34.9	34.8	34.0	32.0	29.6	28.9	28.8	28.1	25.8	22.9	20.4	18.7	17.4	16.2	15.4	14.9	15.4	
180	33.9	33.5	32.9	32.1	30.4	28.1	27.2	27.4	27.2	25.1	22.3	19.9	18.4	17.2	16.1	15.3	14.9	15.4	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2024-11-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.200m [K=1.0000]
Remarks: