

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	320.2 cd per klm.
(Luminaire orientation as tested.)	-22.0 degrees vertical
	20.5 degrees horizontal

Beam Spread	At 10% of Imax	128.4V x 128.4H
	At 50% of Imax	121.8V x 121.8H
	At 90% of Imax	100.8V x 103.2H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	951.3 lumens per klm.
	To 50% of Imax	924.2 lumens per klm.
	To 90% of Imax	596.2 lumens per klm.

Upward LOR	2.2 %
Downward LOR	97.8 %

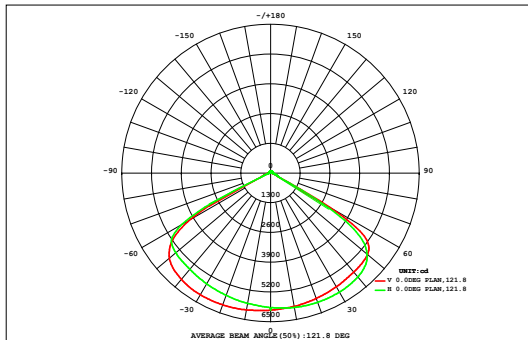
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-05-25

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:218.51V I:0.7180A P:150.57W PF:0.9597 Freq:49.99Hz Lamp Flux:19238x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:127.77lm/W	
MODEL	FL02	Imax(cd)	6160
NOMINAL POWER(W)	150W	AVAILABILITY(%)	95.1
RATED VOLTAGE(V)		Avai. FLUX(lm)	18299
NOMINAL FLUX(lm)	19238	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	19238
TEST VOLTAGE(V)	0	θ @50% (H,V)	122,122DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.09	0.26	0.45	0.66	0.90	1.17	1.44	1.68	1.84	1.91	1.86	1.71	1.47	1.20	1.00	0.76	0.49	0.17	19.0	0.00
90	0.09	0.30	0.68	1.32	2.29	3.43	4.52	5.37	5.83	5.98	5.82	5.23	4.31	3.17	2.07	1.23	0.62	0.19	52.5	0.00
80	0.09	0.41	1.21	2.81	5.27	7.90	14.8	32.1	47.5	51.7	43.3	26.0	10.9	6.19	3.84	1.98	0.83	0.21	257	184
70	0.10	0.57	1.96	4.75	12.0	58.7	116	145	156	157	149	130	91.0	31.8	6.02	2.86	1.07	0.23	1063	1033
60	0.11	0.76	2.80	9.00	71.0	129	149	160	165	166	162	151	132	93.7	23.4	3.80	1.32	0.25	1421	1403
50	0.12	0.94	3.59	35.4	110	136	151	162	168	169	165	155	139	114	57.6	5.44	1.56	0.27	1574	1562
40	0.13	1.09	4.54	64.5	117	138	153	164	171	172	168	158	144	121	78.3	10.9	1.76	0.29	1667	1656
30	0.14	1.20	7.02	79.8	119	140	156	167	174	175	171	162	147	125	87.0	17.5	1.92	0.31	1730	1720
	0.14	1.24	9.47	85.0	120	141	158	171	177	178	176	167	151	127	90.3	20.9	2.01	0.32	1776	1767
	0.14	1.24	8.97	83.8	121	142	160	172	178	182	179	169	152	128	90.0	20.1	2.01	0.32	1791	1782
	0.14	1.19	6.14	75.3	120	142	159	172	180	183	180	170	152	127	85.3	15.3	1.93	0.31	1770	1760
-30	0.13	1.09	4.25	54.8	116	141	159	172	181	183	180	169	150	123	72.6	8.56	1.78	0.30	1718	1706
-40	0.13	0.94	3.52	23.5	100.0	137	157	171	180	182	178	166	145	111	45.0	4.90	1.58	0.28	1608	1593
-50	0.12	0.78	2.72	6.76	42.0	111	147	165	174	176	170	155	127	73.0	13.7	3.89	1.35	0.26	1369	1346
-60	0.11	0.61	1.94	4.55	8.12	25.3	71.9	112	131	135	124	96.8	53.2	15.0	5.98	2.93	1.12	0.24	790	749
-70	0.10	0.46	1.29	2.77	4.99	7.38	9.53	13.0	17.9	20.3	17.6	12.1	8.76	6.51	3.99	2.09	0.89	0.22	130	37.5
-80	0.10	0.37	0.83	1.56	2.52	3.58	4.58	5.37	5.81	6.03	6.00	5.52	4.65	3.52	2.36	1.42	0.70	0.20	55.1	0.00
-90	0.10	0.34	0.65	1.02	1.44	1.77	2.07	2.30	2.45	2.53	2.51	2.38	2.13	1.80	1.39	0.97	0.57	0.18	26.6	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	2.07	13.8	62.0	537	1074	1467	1774	1993	2116	2145	2077	1901	1617	1211	670	126	23.5	4.53	18816	---
Φ a	0.00	0.00	18.9	501	1040	1433	1743	1963	2086	2116	2048	1872	1586	1179	635	78.9	0.00	0.00	---	18299

one-half-peak spread: U:33.1,D:62.9 , L:86.9,R:33.9

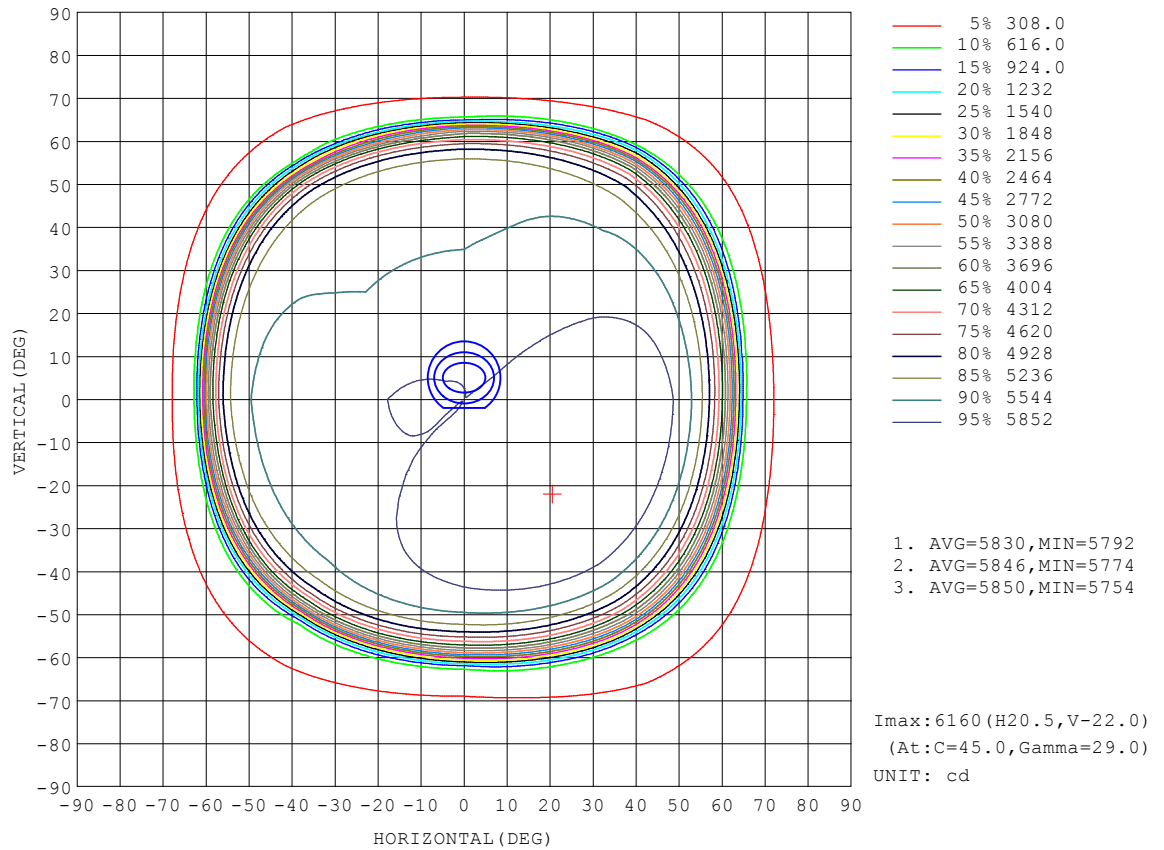
NEMA Beam Type: Type 6

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:218.51V I:0.7180A P:150.57W PF:0.9597 Freq:49.99Hz Lamp Flux:19238x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

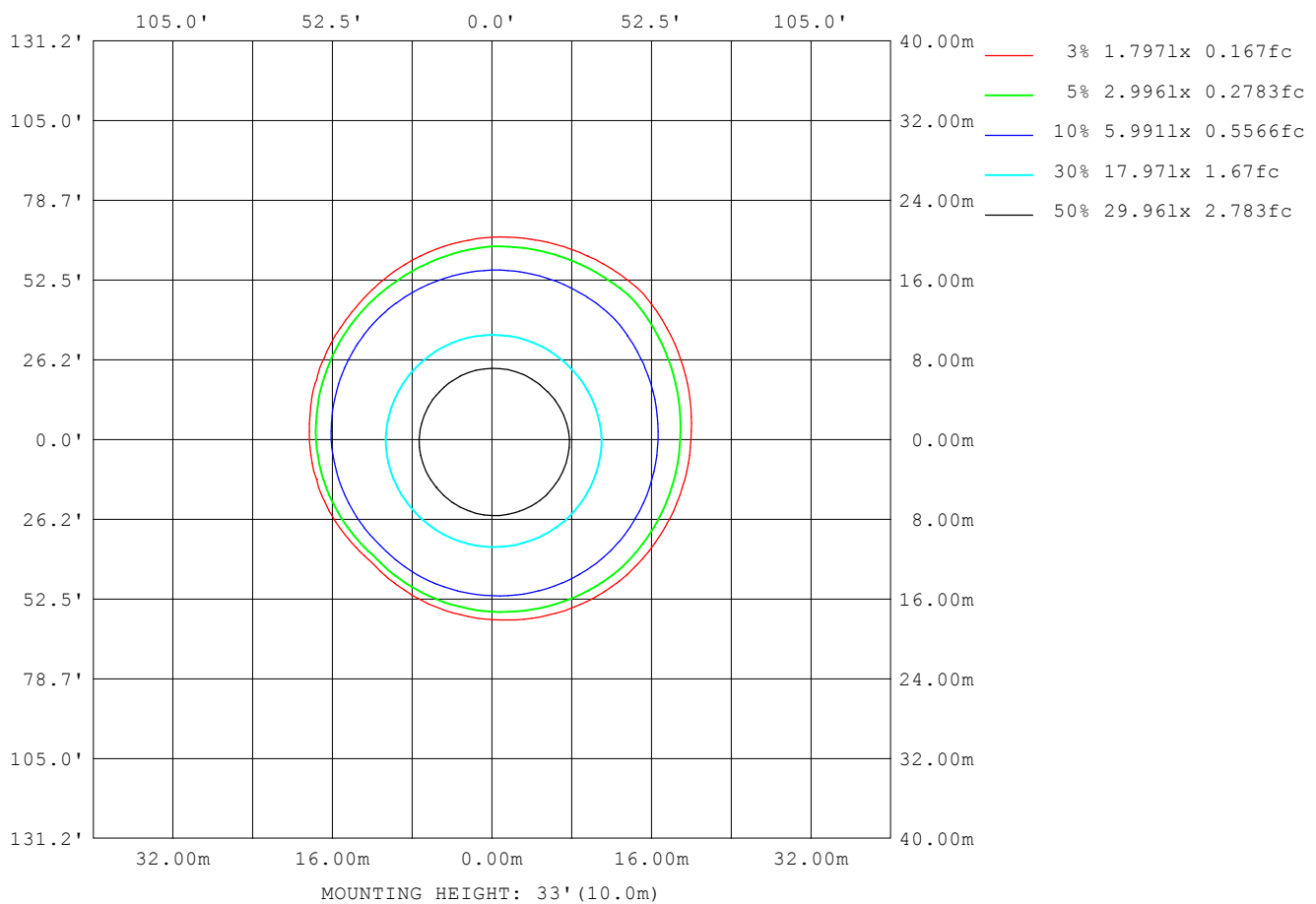


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C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-05-25

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:

ISOLUX DIAGRAM

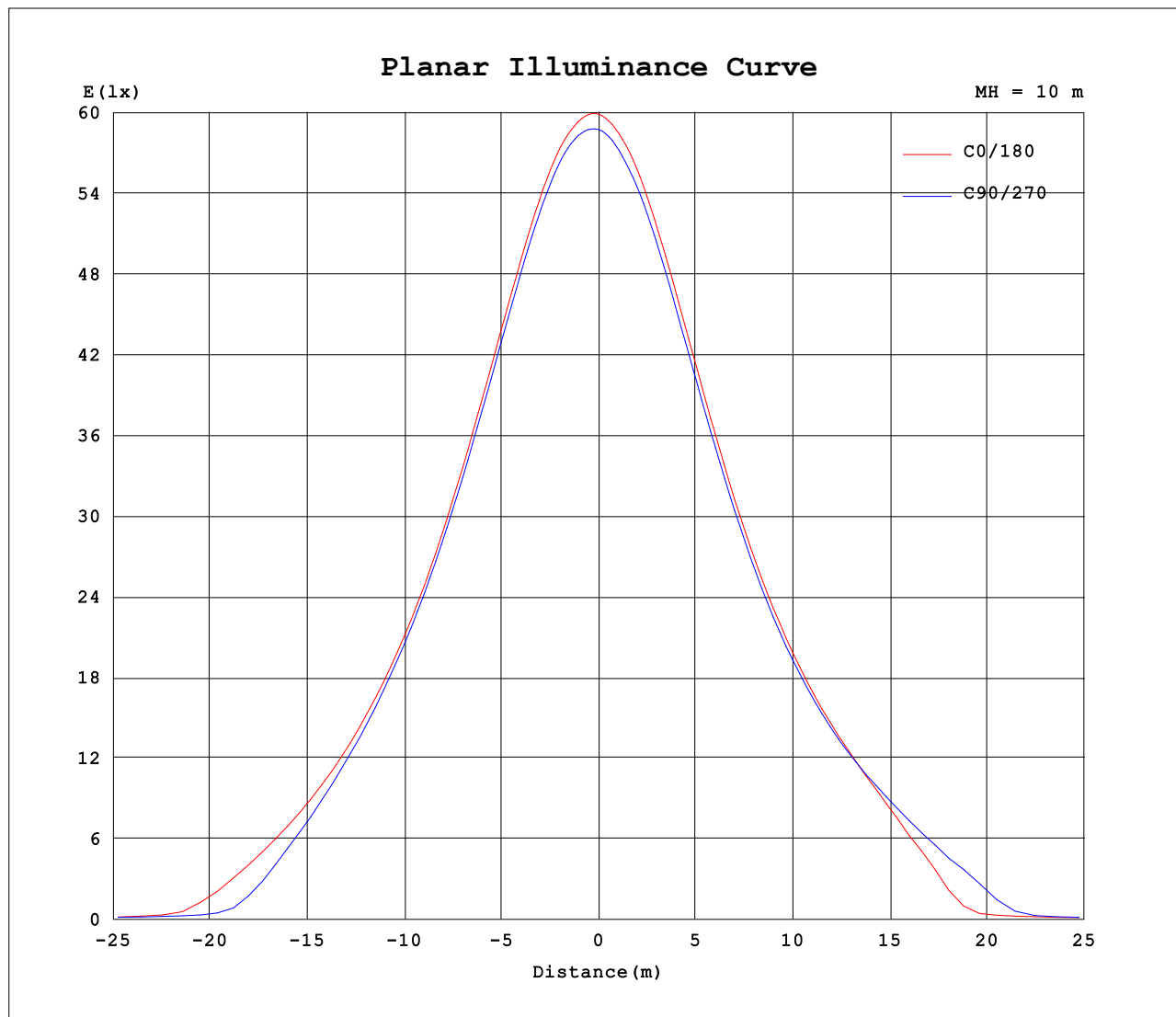
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Remarks:

Planar Illuminance Curve



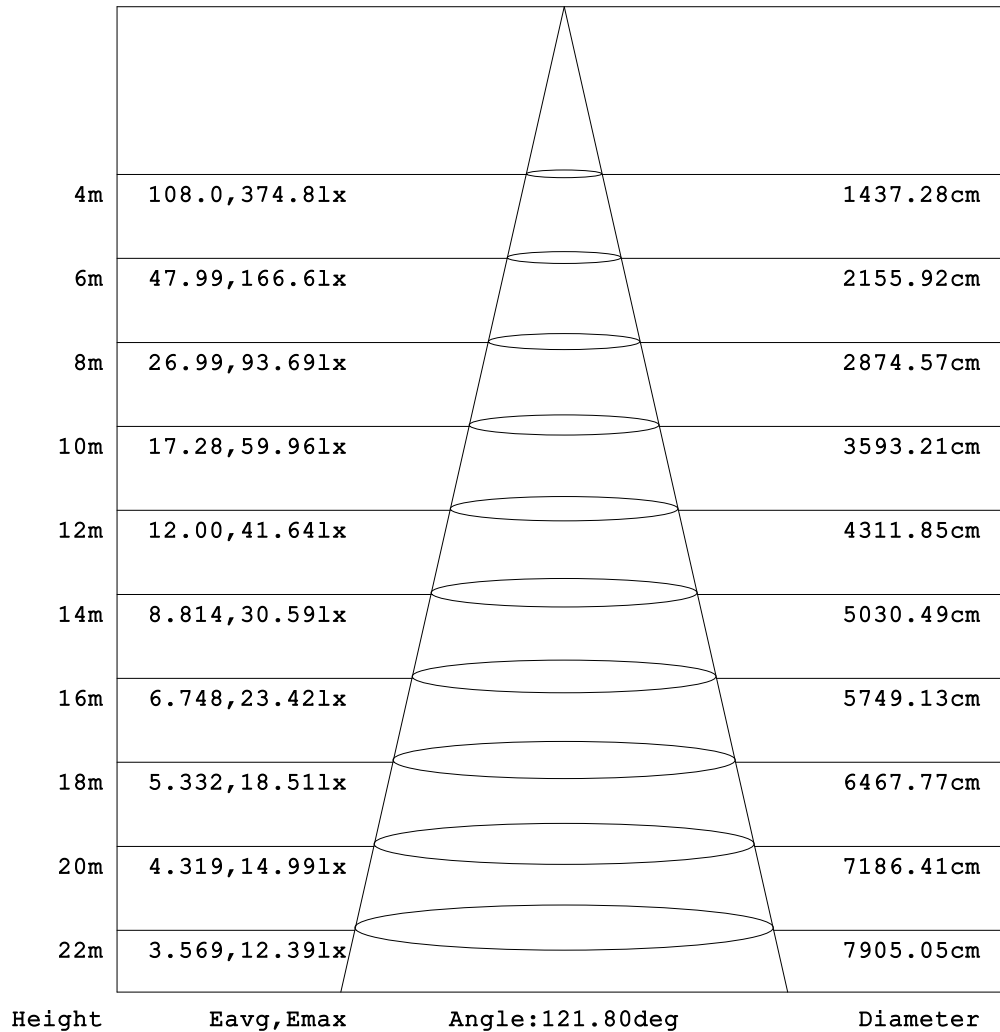
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-05-25

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:218.51V I:0.7180A P:150.57W PF:0.9597 Freq:49.99Hz Lamp Flux:19238x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:17664 lm



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:218.51V I:0.7180A P:150.57W PF:0.9597 Freq:49.99Hz Lamp Flux:19238x1 lm									
NAME:					TYPE:				
SPEC.:					DIM.:				
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	33.8	37.4	41.6	46.0	51.8	61.3	69.5	75.8	80.2	83.5	87.3	93.5	98.9	102	103	104	104	104	103
-170	33.8	37.7	42.1	46.5	52.0	60.7	68.4	74.5	78.7	81.6	84.6	88.8	93.3	95.6	96.7	96.8	95.7	96.5	97.1
-160	33.8	38.0	42.3	46.6	51.3	58.8	66.0	72.0	76.2	79.0	81.0	83.3	86.1	88.1	88.9	89.9	90.6	91.2	91.0
-150	33.8	38.1	42.3	46.4	50.4	56.1	62.5	67.9	72.6	75.6	77.4	78.5	79.7	81.0	83.0	84.6	85.2	85.1	84.6
-140	33.8	38.1	42.2	46.0	49.6	53.3	58.4	62.9	67.0	70.7	73.2	74.6	75.5	76.5	77.5	78.5	79.2	79.7	79.9
-130	33.8	38.0	41.9	45.4	48.6	51.6	54.6	58.1	61.2	63.6	66.1	68.5	70.6	72.1	73.1	73.8	74.2	74.4	74.4
-120	33.8	37.8	41.4	44.7	47.7	50.3	52.7	54.8	56.9	59.0	60.5	61.3	62.0	62.7	63.6	64.5	65.1	65.5	65.5
-110	33.8	37.5	40.9	44.0	46.8	49.4	51.6	53.6	55.4	57.0	57.7	57.8	58.0	58.1	58.2	58.3	58.4	58.4	58.3
-100	33.8	37.2	40.4	43.3	46.1	48.7	51.2	53.5	55.7	57.7	57.8	57.7	57.6	57.5	57.5	57.4	57.4	57.3	57.3
-90	33.8	36.8	39.8	42.8	45.8	48.8	51.9	54.9	57.9	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8
-80	33.8	36.4	39.6	43.5	48.2	53.7	59.8	66.7	74.1	81.6	87.7	93.6	99.6	105	110	115	119	122	124
-70	33.8	36.3	41.2	49.9	62.3	78.1	96.4	116	139	164	187	208	227	244	258	269	277	281	282
-60	33.8	36.5	45.7	63.7	89.2	120	158	202	253	306	350	380	401	461	676	1169	1678	2059	2278
-50	33.8	37.1	52.8	82.5	122	173	239	318	374	439	1053	2932	4167	4800	5118	5295	5402	5468	5501
-40	33.8	38.0	61.0	102	157	235	332	400	1522	3896	4927	5317	5509	5633	5720	5787	5844	5890	5929
-30	33.8	39.1	68.9	120	191	300	388	2066	4507	5282	5522	5631	5699	5750	5804	5858	5910	5960	6010
-20	33.8	40.0	75.2	133	221	339	871	4190	5283	5543	5642	5697	5737	5773	5798	5844	5899	5952	6009
-10	33.8	40.3	78.9	141	241	358	2276	4919	5477	5609	5663	5704	5749	5786	5819	5841	5844	5898	5965
0	33.8	40.0	79.4	142	245	366	2999	5139	5532	5619	5652	5693	5742	5787	5831	5879	5919	5948	5991
10	33.8	39.8	78.3	141	242	359	2601	5048	5490	5579	5608	5633	5665	5697	5728	5754	5765	5787	5781
20	33.8	39.0	73.9	134	224	339	1246	4608	5382	5518	5558	5569	5580	5591	5600	5633	5665	5683	5688
30	33.8	37.7	66.7	120	195	306	413	3185	5017	5403	5484	5507	5512	5513	5531	5550	5568	5581	5589
40	33.8	36.1	58.0	101	159	242	336	478	3131	4855	5309	5411	5443	5464	5478	5486	5490	5493	5492
50	33.8	34.8	49.0	78.2	122	177	250	329	377	1130	3460	4706	5151	5305	5366	5393	5407	5413	5414
60	33.8	33.9	41.0	57.6	83.0	119	160	211	269	326	360	402	716	1789	2791	3605	4058	4325	4455
70	33.8	33.3	35.7	42.2	53.1	67.6	86.2	111	137	165	194	218	241	262	281	295	306	312	314
80	33.8	33.3	33.4	34.5	36.5	39.6	43.7	48.8	54.4	60.3	67.4	74.6	81.7	88.2	94.3	99.4	104	107	109
90	33.8	33.7	33.6	33.5	33.4	33.3	33.3	33.2	33.1	33.0	33.1	33.1	33.2	33.2	33.3	33.4	33.4	33.5	33.5
100	33.8	34.2	34.7	35.2	35.6	36.1	36.5	36.9	37.3	37.7	37.9	38.1	38.3	38.4	38.5	38.5	38.5	38.3	38.2
110	33.8	34.8	35.9	37.0	38.2	39.3	40.4	41.5	42.5	43.4	44.2	45.0	45.6	46.1	46.5	46.7	46.9	46.8	46.6
120	33.8	35.4	37.1	39.0	40.8	42.7	44.5	46.2	48.1	50.3	53.0	55.5	57.8	59.6	60.9	61.9	62.4	62.5	62.2
130	33.8	35.9	38.3	40.8	43.4	45.9	48.7	52.8	57.5	61.8	65.2	68.0	70.3	72.2	73.5	74.2	74.7	74.9	74.8
140	33.8	36.4	39.3	42.5	45.7	49.2	55.0	61.2	66.4	70.5	73.9	76.1	77.8	79.2	80.3	81.0	81.5	81.6	81.4
150	33.8	36.8	40.2	43.9	47.7	53.6	61.2	67.6	72.6	76.4	79.0	81.1	83.1	85.2	87.8	90.3	91.7	92.1	91.7
160	33.8	37.1	40.9	45.0	49.6	57.5	65.6	71.9	76.7	80.0	82.6	85.6	89.9	94.6	96.9	97.6	97.7	97.4	96.8
170	33.8	37.3	41.4	45.7	51.1	60.2	68.3	74.6	79.0	82.3	85.6	90.4	96.4	99.2	100	101	100	99.4	98.3
180	33.8	37.4	41.6	46.0	51.8	61.3	69.5	75.8	80.2	83.5	87.3	93.5	98.9	102	103	104	104	104	102

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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	102	101	99.2	93.2	86.3	86.2	84.7	81.2	78.4	75.7	71.0	64.6	61.3	59.4	59.1	59.7	61.9	68.0	
-170	98.4	98.5	96.7	91.9	87.9	86.3	83.4	80.2	77.6	74.8	70.0	64.0	61.1	59.3	59.1	59.7	61.9	68.0	
-160	91.7	91.4	90.8	89.1	86.3	83.6	80.6	78.1	75.9	72.6	67.5	62.9	60.5	59.1	59.1	59.8	62.1	68.0	
-150	85.2	85.4	84.8	83.2	81.1	79.0	77.2	75.3	72.7	68.7	64.0	61.5	59.7	59.0	59.1	60.1	62.3	68.0	
-140	79.7	79.2	78.4	77.4	76.2	74.7	72.9	70.5	67.0	63.6	61.7	60.0	59.0	58.9	59.3	60.4	62.7	68.0	
-130	74.2	73.8	73.1	72.0	70.4	68.2	65.6	63.4	62.0	60.7	59.6	58.9	58.8	59.0	59.7	60.9	63.2	68.0	
-120	65.1	64.5	63.6	62.7	61.9	61.2	60.5	59.7	59.1	58.7	58.7	58.7	59.0	59.5	60.4	61.7	63.8	68.0	
-110	58.3	58.3	58.3	58.2	58.2	58.2	58.2	58.4	58.5	58.7	58.9	59.3	59.9	60.6	61.6	62.9	64.6	68.0	
-100	57.5	57.7	58.0	58.2	58.5	58.8	59.2	59.6	60.0	60.4	60.8	61.3	61.9	62.6	63.5	64.5	65.8	68.0	
-90	62.2	62.6	63.1	63.5	63.9	64.4	64.8	65.2	65.7	65.9	66.2	66.4	66.7	67.0	67.2	67.5	67.7	68.0	
-80	126	128	129	128	126	124	121	117	113	107	101	94.7	88.7	83.2	78.2	73.9	70.4	68.0	
-70	290	294	295	293	287	279	266	249	226	200	175	152	132	114	98.2	84.5	74.2	68.0	
-60	2352	2258	2003	1546	1028	614	440	400	374	336	283	233	190	154	124	98.1	78.8	68.0	
-50	5516	5498	5444	5336	5137	4814	4263	3268	1534	513	391	334	258	198	151	113	83.7	68.0	
-40	5952	5966	5966	5948	5901	5813	5648	5332	4717	3447	1168	416	337	244	178	128	88.5	68.0	
-30	6042	6071	6095	6108	6104	6061	5977	5837	5567	5008	3711	1073	392	290	201	141	93.1	68.0	
-20	6049	6091	6131	6159	6154	6133	6084	6001	5850	5524	4772	2815	465	332	220	150	96.6	68.0	
-10	6023	6085	6116	6138	6149	6146	6119	6057	5949	5720	5175	3735	669	356	232	156	98.9	68.0	
0	6026	6071	6107	6127	6141	6142	6124	6067	5975	5783	5301	4038	806	364	236	159	99.8	68.0	
10	5796	5814	5887	5936	5970	5987	5984	5948	5875	5688	5215	3909	787	354	231	156	98.3	68.0	
20	5717	5738	5753	5770	5809	5835	5837	5814	5736	5510	4934	3288	544	329	219	149	95.5	68.0	
30	5619	5642	5658	5669	5671	5685	5691	5654	5518	5178	4255	1743	387	287	199	138	91.5	68.0	
40	5520	5542	5559	5570	5570	5550	5503	5391	5087	4307	2314	446	329	241	174	124	86.5	68.0	
50	5427	5432	5427	5406	5353	5246	5033	4554	3385	1265	384	323	254	194	147	108	81.2	68.0	
60	4440	4334	4148	3861	3273	2280	1238	467	346	318	276	227	183	147	117	92.6	76.0	68.0	
70	313	310	304	296	286	273	258	240	217	189	163	141	121	103	89.1	78.5	71.1	68.0	
80	111	113	113	112	109	106	100	93.8	86.1	82.2	78.7	75.6	73.0	70.6	68.7	67.4	67.2	68.0	
90	33.7	34.0	34.2	34.4	34.6	34.8	35.0	35.3	35.5	39.1	42.7	46.3	49.9	53.5	57.1	60.7	64.4	68.0	
100	38.0	37.8	37.5	37.1	36.8	36.3	35.8	35.3	35.0	37.5	40.2	43.1	46.3	49.7	53.4	57.7	62.5	68.0	
110	46.3	46.0	45.5	44.8	44.1	43.3	42.3	41.3	40.9	42.1	43.6	45.3	47.3	49.8	52.9	56.7	61.4	68.0	
120	61.8	61.0	59.8	58.1	55.8	53.1	50.1	47.6	47.0	47.1	47.5	48.2	49.3	50.9	53.2	56.4	60.9	68.0	
130	74.3	73.6	72.5	71.0	68.9	66.4	63.4	60.0	56.4	53.2	51.6	51.2	51.5	52.3	53.9	56.5	60.6	68.0	
140	80.8	80.0	78.9	77.6	76.0	74.1	72.1	69.3	65.6	61.3	57.3	54.5	53.7	53.9	54.8	56.9	60.6	68.0	
150	90.6	88.5	85.5	82.6	80.3	78.6	76.8	74.8	72.1	67.8	62.6	58.4	55.9	55.4	55.8	57.4	60.7	68.0	
160	95.9	94.8	93.3	90.9	86.4	82.8	80.2	77.9	75.6	72.2	66.9	61.6	58.2	56.8	56.9	58.1	61.0	68.0	
170	96.7	95.4	95.3	91.9	88.7	86.4	83.1	80.0	77.5	74.6	69.8	63.6	60.1	58.2	58.0	58.9	61.4	68.0	
180	102	101	99.2	93.2	86.3	86.2	84.7	81.2	78.4	75.7	71.0	64.6	61.3	59.4	59.1	59.7	61.9	68.0	

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