

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1171.6 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	-6.0 degrees horizontal

Beam Spread	At 10% of Imax	86.8V x 86.2H
	At 50% of Imax	50.6V x 52.2H
	At 90% of Imax	16.1V x 20.8H

Beam Flux	Total	1000.2 lumens per klm.
	To 10% of Imax	856.3 lumens per klm.
	To 50% of Imax	523.1 lumens per klm.
	To 90% of Imax	106.2 lumens per klm.

Upward LOR	2.2 %
Downward LOR	97.8 %

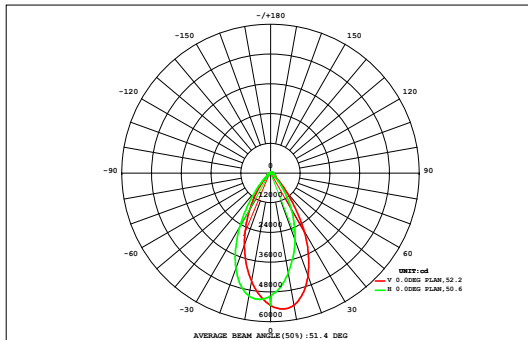
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2025-01-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 9.250m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:222.99V I:1.8056A P:395.45W PF:0.9821 Freq:49.99Hz Lamp Flux:47009.6x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:118.88lm/W	
MODEL		Imax (cd)	55075
NOMINAL POWER (W)	400	AVAILABILITY (%)	85.5
RATED VOLTAGE (V)	220	Avai. FLUX (lm)	40203
NOMINAL FLUX (lm)	47009.6	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	47010
TEST VOLTAGE (V)	220	θ @50% (H,V)	52,51DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.32	1.14	2.20	3.40	4.65	5.85	6.85	7.55	7.87	7.72	7.11	6.19	5.06	3.86	2.71	1.74	0.96	0.31	75.5	0.00
90	0.42	1.85	4.16	7.14	10.4	13.6	16.5	18.6	19.6	19.4	18.0	15.5	12.4	9.06	5.80	3.08	1.25	0.32	177	0.00
80	0.52	2.62	6.27	11.1	17.2	23.8	29.4	33.4	35.1	35.0	32.7	28.2	22.0	15.5	9.74	5.08	1.85	0.35	310	0.00
70	0.61	3.38	8.32	16.1	25.6	34.6	43.2	50.7	55.8	55.6	50.4	43.0	34.2	24.1	14.2	7.11	2.54	0.40	470	0.00
60	0.70	4.05	10.7	21.2	32.9	48.9	81.4	128	163	158	119	75.3	47.7	32.6	19.7	9.15	3.20	0.46	956	264
50	0.78	4.63	13.1	25.2	43.0	97.9	221	381	491	471	338	184	82.4	41.4	24.7	11.3	3.77	0.52	2436	2048
40	0.85	5.15	15.0	28.9	65.3	204	487	805	989	942	693	384	153	55.5	28.6	13.4	4.23	0.57	4875	4590
30	0.89	5.55	16.2	32.4	98.2	338	777	1191	1399	1321	1000	580	236	72.9	31.6	14.9	4.55	0.61	7120	6880
	0.92	5.78	16.9	35.0	123	435	957	1416	1592	1477	1127	667	280	83.6	33.4	15.8	4.72	0.62	8272	8046
	0.91	5.76	16.9	35.0	121	425	923	1347	1482	1367	1058	633	269	81.7	33.3	15.7	4.71	0.62	7821	7594
	0.89	5.51	16.2	32.4	94.0	315	699	1022	1117	1040	831	502	213	68.7	31.6	14.9	4.52	0.60	6008	5760
	0.84	5.09	14.8	28.9	62.1	184	416	641	715	668	529	313	133	52.2	28.6	13.2	4.17	0.56	3810	3509
-30	0.77	4.56	12.9	25.1	42.5	87.2	185	296	350	330	253	148	71.7	41.0	24.6	11.1	3.69	0.51	1888	1441
-40	0.69	3.95	10.4	20.7	32.9	48.1	71.7	102	120	116	92.9	65.5	46.8	32.7	19.2	8.89	3.10	0.45	796	70.2
-50	0.60	3.26	8.04	15.5	24.7	34.3	43.4	50.7	54.3	54.1	50.4	43.2	33.8	23.2	13.6	6.83	2.42	0.39	463	0.00
-60	0.51	2.50	5.92	10.5	16.2	22.2	27.5	31.3	33.0	32.8	30.7	26.3	20.5	14.5	9.15	4.73	1.73	0.34	290	0.00
-70	0.41	1.74	3.81	6.44	9.32	12.2	14.6	16.3	16.9	16.6	15.6	13.6	10.9	7.96	5.10	2.73	1.14	0.32	156	0.00
-80	0.32	1.11	2.04	3.01	3.96	4.78	5.37	5.68	5.66	5.51	5.25	4.71	3.99	3.16	2.33	1.58	0.93	0.31	59.7	0.00
-90	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	12.0	67.6	184	358	828	2335	5006	7545	8646	8117	6252	3731	1677	664	338	161	53.5	8.27	45982	---
Φ a	0.00	0.00	0.00	0.00	235	1888	4599	7152	8266	7730	5848	3298	1158	28.6	0.00	0.00	0.00	0.00	---	40203

one-half-peak spread: U:21.9,D:23.1 , L:23.9,R:28.6

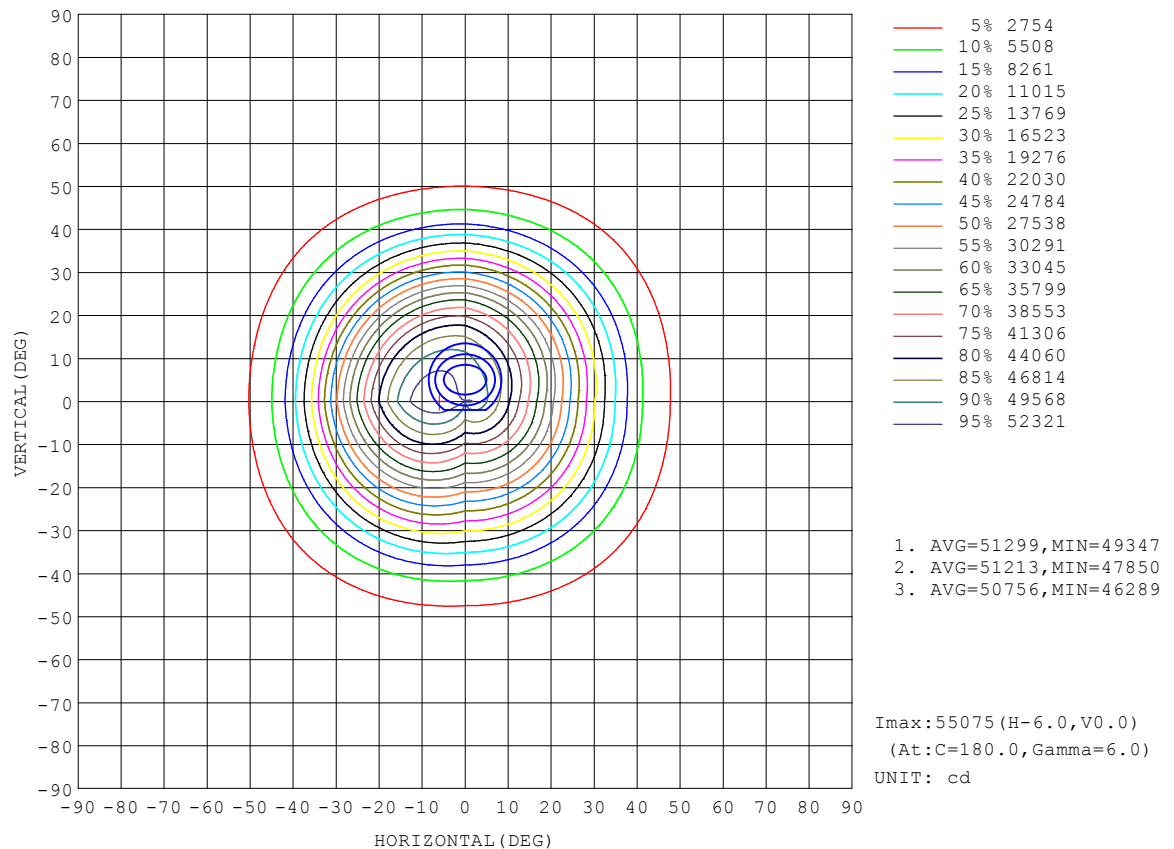
NEMA Beam Type: Type 5

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2025-01-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:222.99V I:1.8056A P:395.45W PF:0.9821 Freq:49.99Hz Lamp Flux:47009.6x1 lm		
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SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

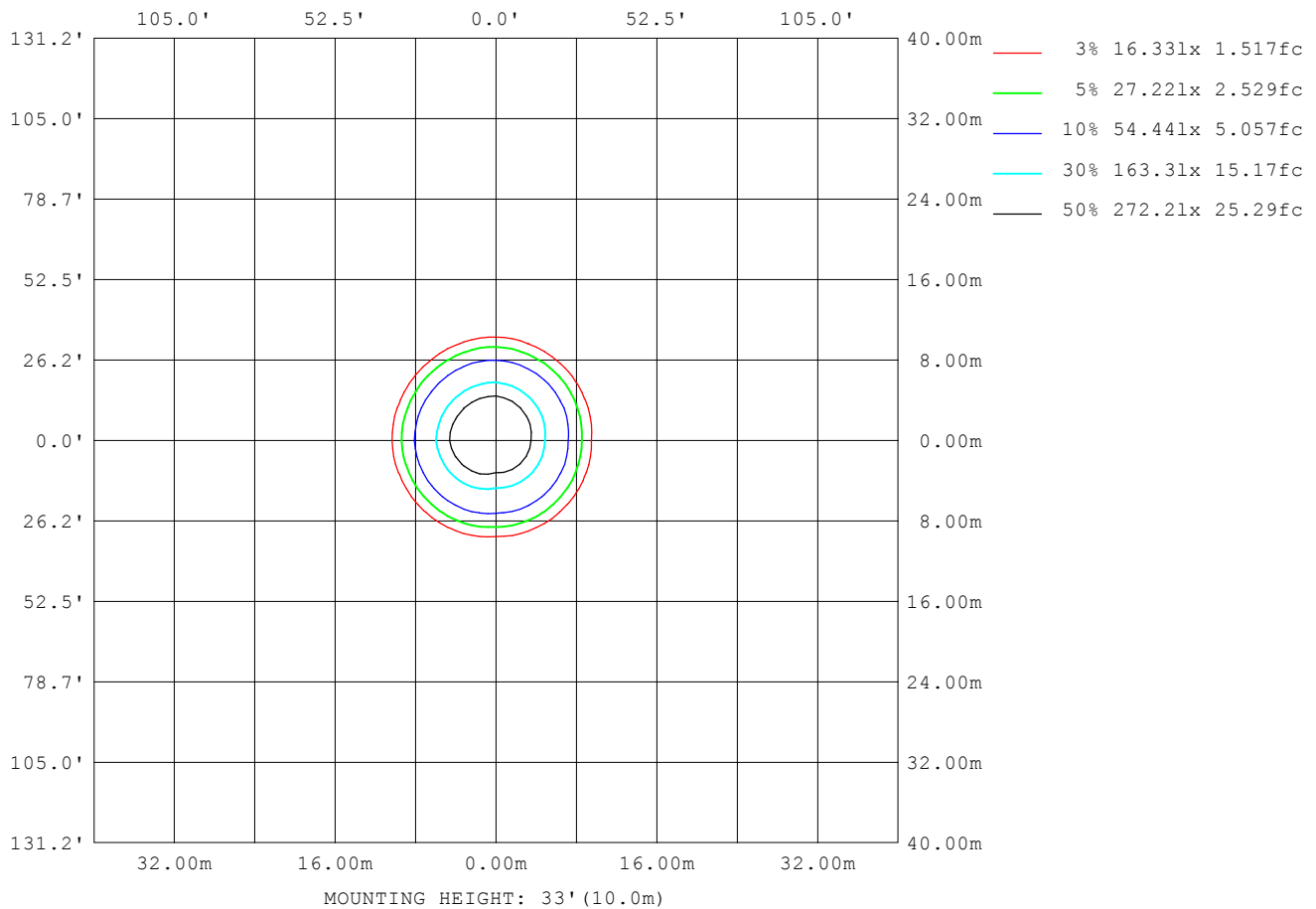


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ISOLUX DIAGRAM

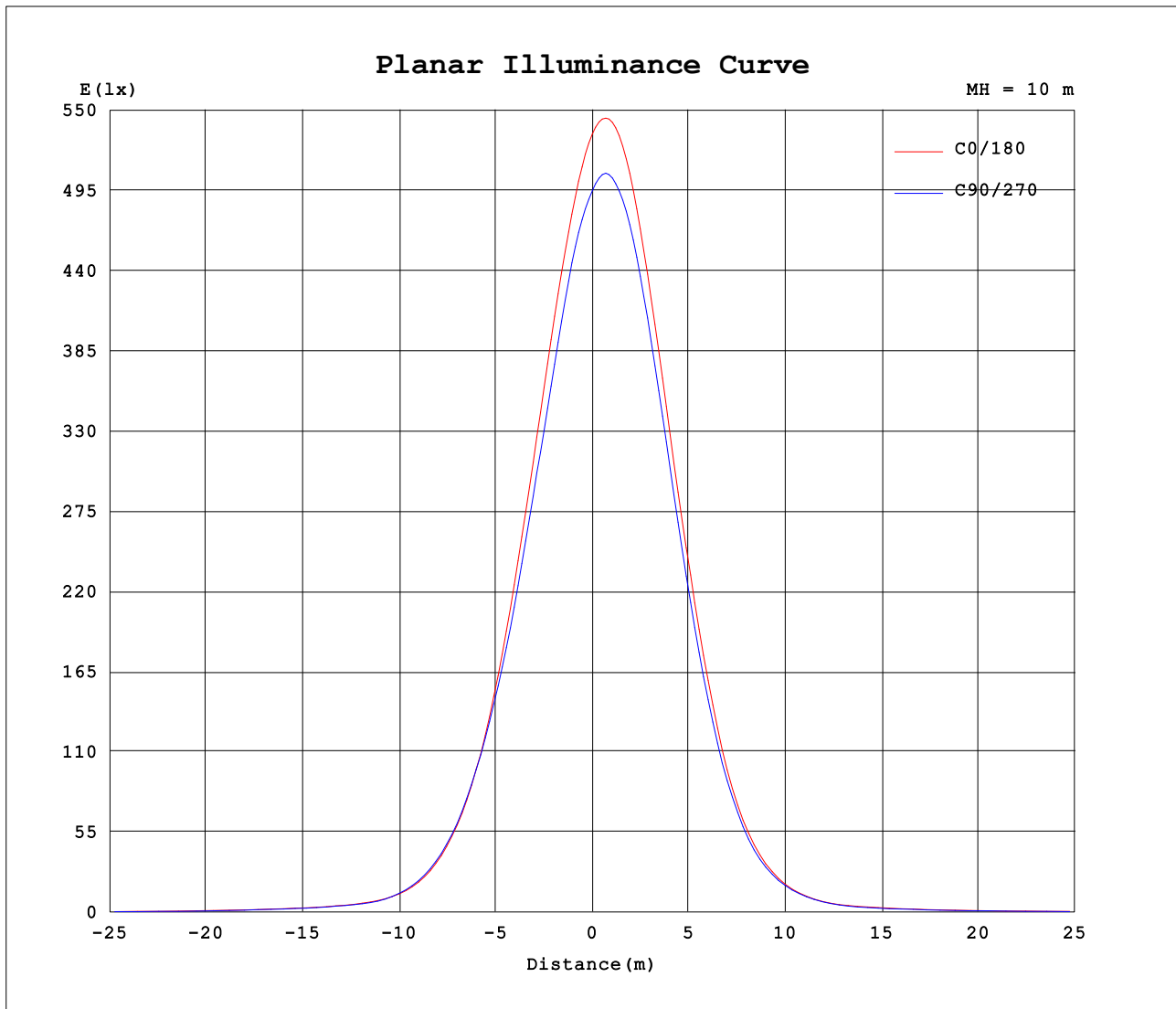
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 Remarks:

Planar Illuminance Curve

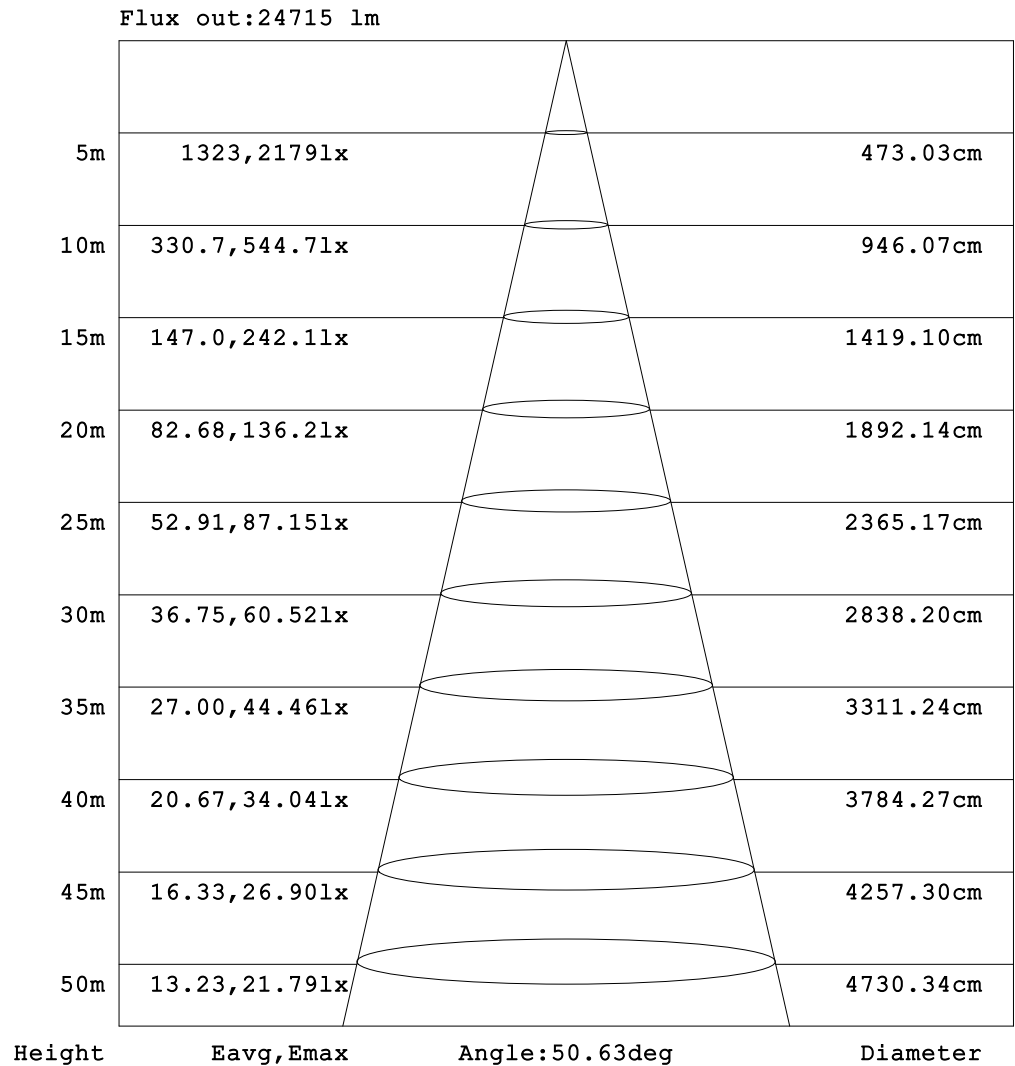


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C Interval: 90.0DEG
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Temperature: 25.3DEG
Operators: Jason
Test Date: 2025-01-10

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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.

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Jason
 Test Date: 2025-01-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 9.250m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:222.99V I:1.8056A P:395.45W PF:0.9821 Freq:49.99Hz Lamp Flux:47009.6x1 lm									
NAME:					TYPE:				
SPEC.:					DIM.:				
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	10.7	9.49	9.66	9.83	10.3	11.2	12.3	13.9	15.9	18.3	20.9	23.8	26.5	29.0	31.3	33.4	35.2	36.6	37.7
-170	10.7	9.50	9.66	9.80	10.2	11.0	12.2	13.7	15.7	18.0	20.7	23.6	26.3	29.0	31.4	33.7	35.7	37.4	38.7
-160	10.7	9.50	9.65	9.74	10.1	10.8	11.8	13.1	14.8	16.9	19.3	21.9	24.6	27.0	29.3	31.3	33.1	34.4	35.3
-150	10.7	9.49	9.64	9.68	9.92	10.4	11.2	12.2	13.5	15.2	17.1	19.2	21.3	23.4	25.4	27.1	28.4	29.5	30.1
-140	10.7	9.49	9.61	9.64	9.75	10.0	10.5	11.2	12.1	13.2	14.4	15.9	17.4	18.9	20.3	21.5	22.6	23.3	23.7
-130	10.7	9.49	9.58	9.64	9.63	9.73	9.94	10.3	10.7	11.3	12.0	12.8	13.6	14.4	15.2	15.9	16.5	16.9	17.1
-120	10.7	9.50	9.56	9.62	9.62	9.59	9.62	9.70	9.82	10.0	10.2	10.5	10.8	11.1	11.3	11.6	11.8	11.9	11.9
-110	10.7	9.64	9.55	9.60	9.63	9.63	9.60	9.55	9.51	9.50	9.49	9.49	9.50	9.50	9.51	9.51	9.49	9.46	9.42
-100	10.7	10.0	9.70	9.64	9.67	9.70	9.71	9.72	9.71	9.70	9.68	9.65	9.62	9.58	9.55	9.52	9.49	9.47	9.45
-90	10.7	10.7	10.8	10.8	10.8	10.9	10.9	10.9	10.9	11.0	11.0	11.0	11.1	11.1	11.1	11.1	11.2	11.2	11.2
-80	10.7	12.7	15.4	17.7	19.7	21.6	23.5	25.6	27.6	29.3	30.7	31.9	32.9	33.6	34.1	34.3	34.2	33.8	33.0
-70	10.7	15.6	20.7	26.0	31.9	37.6	42.9	48.1	53.0	57.8	62.4	66.9	70.9	74.0	76.4	77.9	78.5	78.2	77.1
-60	10.7	18.3	26.3	35.7	44.8	53.6	62.5	72.8	83.7	94.9	105	113	120	127	134	140	143	145	145
-50	10.7	20.6	32.3	44.7	56.6	69.9	86.4	104	119	134	149	162	175	189	202	213	220	223	220
-40	10.7	22.8	37.7	52.5	68.0	88.9	112	131	151	171	196	231	297	387	490	582	648	679	668
-30	10.7	24.7	42.0	58.9	79.7	108	131	154	180	220	316	491	735	1020	1309	1554	1702	1738	1668
-20	10.7	26.2	45.3	64.0	90.1	121	145	173	214	332	578	964	1470	2037	2520	2857	3040	3050	2885
-10	10.7	27.2	47.5	67.6	98.1	128	154	188	258	471	872	1476	2261	3018	3648	4126	4370	4368	4093
0	10.7	27.6	48.4	69.1	102	132	158	194	285	546	1032	1775	2715	3611	4415	5034	5412	5503	5338
10	10.7	27.3	47.7	67.8	98.6	129	154	188	262	486	904	1549	2397	3245	3984	4572	4945	5087	5035
20	10.7	26.4	45.8	64.5	91.0	122	145	172	215	351	621	1051	1642	2329	2968	3488	3866	4071	4104
30	10.7	24.9	42.7	59.7	80.7	110	133	153	180	223	346	551	845	1209	1611	1984	2276	2448	2489
40	10.7	23.0	38.4	53.7	69.2	90.9	115	133	150	170	195	246	344	466	606	745	858	932	953
50	10.7	20.9	33.2	46.1	58.3	71.7	89.2	108	123	136	148	160	174	189	206	229	253	270	275
60	10.7	18.5	27.3	37.3	46.9	56.1	65.2	75.8	87.9	100	110	119	126	131	136	139	141	142	142
70	10.7	15.8	21.5	27.5	34.0	40.5	46.4	52.0	57.2	62.1	67.1	72.0	76.8	80.9	84.4	86.9	88.5	89.0	88.7
80	10.7	12.8	15.8	18.6	21.3	23.9	26.6	29.3	31.9	34.4	36.6	38.6	40.2	41.5	42.6	43.4	43.9	44.0	43.9
90	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.6	10.6	10.6	10.6	10.6
100	10.7	9.97	9.53	9.38	9.36	9.36	9.36	9.37	9.38	9.39	9.39	9.39	9.39	9.38	9.37	9.35	9.34	9.32	9.30
110	10.7	9.56	9.40	9.44	9.48	9.53	9.54	9.55	9.58	9.63	9.69	9.77	9.84	9.91	9.98	10.0	10.1	10.1	10.1
120	10.7	9.42	9.46	9.54	9.59	9.62	9.72	9.87	10.1	10.3	10.6	10.9	11.1	11.4	11.6	11.8	12.0	12.1	12.1
130	10.7	9.42	9.52	9.61	9.66	9.83	10.1	10.5	11.0	11.5	12.1	12.7	13.4	14.0	14.5	15.0	15.4	15.6	15.6
140	10.7	9.44	9.57	9.64	9.80	10.1	10.7	11.3	12.1	13.1	14.1	15.3	16.5	17.6	18.6	19.5	20.2	20.6	20.7
150	10.7	9.46	9.62	9.69	9.98	10.5	11.3	12.2	13.4	14.9	16.5	18.3	20.1	21.8	23.3	24.6	25.5	26.1	26.3
160	10.7	9.47	9.64	9.76	10.2	10.8	11.8	13.1	14.7	16.6	18.7	21.1	23.4	25.5	27.5	29.1	30.4	31.2	31.5
170	10.7	9.49	9.65	9.81	10.3	11.1	12.2	13.7	15.5	17.8	20.3	23.0	25.7	28.1	30.3	32.3	34.1	35.4	36.1
180	10.7	9.49	9.66	9.83	10.3	11.2	12.3	13.9	15.9	18.3	20.9	23.8	26.5	29.0	31.3	33.4	35.2	36.6	37.1

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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	37.3	36.9	35.9	34.2	32.2	29.8	27.1	24.1	21.0	17.9	15.0	12.6	10.7	9.70	9.32	9.52	10.3	11.4	
-170	37.9	36.8	35.4	33.6	31.5	29.1	26.4	23.4	20.3	17.4	14.6	12.3	10.6	9.65	9.32	9.54	10.3	11.4	
-160	34.9	34.0	32.7	31.0	29.1	26.8	24.2	21.5	18.7	16.1	13.7	11.7	10.3	9.54	9.31	9.58	10.3	11.4	
-150	29.8	29.2	28.1	26.7	25.0	23.0	20.8	18.6	16.3	14.2	12.3	10.9	9.88	9.41	9.32	9.66	10.4	11.4	
-140	23.6	23.1	22.3	21.2	19.9	18.4	16.8	15.2	13.6	12.2	10.9	10.1	9.53	9.31	9.40	9.79	10.5	11.4	
-130	17.0	16.8	16.3	15.6	14.8	13.9	13.0	12.1	11.2	10.4	9.86	9.49	9.31	9.33	9.56	9.98	10.6	11.4	
-120	11.9	11.8	11.6	11.3	11.0	10.6	10.3	9.95	9.67	9.46	9.33	9.28	9.34	9.52	9.82	10.2	10.8	11.4	
-110	9.43	9.42	9.40	9.36	9.33	9.29	9.27	9.25	9.26	9.30	9.39	9.52	9.69	9.92	10.2	10.6	10.9	11.4	
-100	9.46	9.47	9.50	9.53	9.57	9.63	9.69	9.76	9.85	9.96	10.1	10.2	10.4	10.6	10.7	10.9	11.1	11.4	
-90	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.4	
-80	33.0	32.7	32.1	31.2	30.0	28.6	27.0	25.1	23.1	21.0	18.7	16.4	14.3	13.0	12.3	11.9	11.6	11.4	
-70	77.1	76.3	74.8	72.5	69.5	65.9	61.6	56.8	51.8	46.2	40.2	34.2	28.2	22.4	17.0	13.1	11.9	11.4	
-60	144	143	139	134	126	117	108	95.8	84.2	73.8	63.9	54.3	44.5	34.5	25.2	16.8	12.3	11.4	
-50	220	215	208	199	187	174	161	148	132	112	91.0	74.3	60.1	46.9	33.6	21.6	12.8	11.4	
-40	646	589	508	416	325	255	216	192	170	150	127	98.2	75.3	57.7	41.4	26.1	13.6	11.4	
-30	1627	1499	1297	1049	789	554	374	257	209	178	153	125	91.1	67.1	48.2	30.0	14.8	11.4	
-20	2842	2650	2335	1931	1481	1043	671	409	260	204	171	144	107	75.0	53.1	33.1	16.0	11.4	
-10	4057	3767	3303	2727	2105	1497	969	569	329	226	184	153	119	80.5	56.1	35.0	16.8	11.4	
0	4964	4442	3805	3107	2381	1678	1089	636	360	235	189	157	123	82.6	57.1	35.7	17.1	11.4	
10	4775	4342	3749	3063	2331	1634	1042	602	344	230	184	153	119	81.0	56.3	35.2	16.9	11.4	
20	3863	3476	2966	2379	1773	1215	757	451	279	205	171	144	108	75.8	53.6	33.5	16.2	11.4	
30	2336	2073	1727	1352	977	664	434	287	212	178	153	127	92.7	68.2	49.0	30.7	15.1	11.4	
40	899	799	671	533	404	302	230	192	169	149	129	101	77.3	58.9	42.6	26.9	13.8	11.4	
50	267	248	224	202	186	173	159	147	134	116	94.4	77.1	61.9	48.6	35.0	22.5	13.1	11.4	
60	142	141	139	135	130	123	114	101	89.4	78.0	67.0	56.9	47.0	36.7	26.7	17.7	12.5	11.4	
70	87.9	86.3	83.8	80.5	76.5	71.8	66.7	61.5	56.1	50.4	44.1	37.7	31.1	24.6	18.5	13.8	12.1	11.4	
80	43.3	42.4	41.2	39.7	38.0	35.9	33.6	31.0	28.3	25.4	22.5	19.5	16.6	14.6	13.2	12.3	11.7	11.4	
90	10.7	10.7	10.8	10.8	10.8	10.9	10.9	11.0	11.0	11.0	11.1	11.1	11.2	11.2	11.2	11.3	11.3	11.4	
100	9.31	9.32	9.34	9.35	9.37	9.40	9.43	9.48	9.54	9.62	9.74	9.88	10.0	10.2	10.5	10.7	11.1	11.4	
110	10.1	10.0	9.93	9.84	9.74	9.64	9.54	9.46	9.39	9.37	9.39	9.46	9.59	9.78	10.1	10.4	10.8	11.4	
120	12.1	12.0	11.8	11.6	11.3	11.0	10.7	10.3	9.98	9.71	9.50	9.37	9.37	9.49	9.74	10.1	10.7	11.4	
130	15.7	15.6	15.4	14.9	14.4	13.7	13.0	12.2	11.4	10.7	10.1	9.66	9.41	9.35	9.53	9.92	10.6	11.4	
140	20.9	20.7	20.3	19.6	18.6	17.5	16.2	14.9	13.5	12.2	11.1	10.2	9.64	9.36	9.40	9.76	10.4	11.4	
150	26.5	26.2	25.6	24.6	23.3	21.7	19.9	18.0	16.0	14.1	12.4	11.0	9.98	9.47	9.34	9.65	10.4	11.4	
160	31.7	31.3	30.4	29.2	27.5	25.6	23.3	20.9	18.3	15.9	13.6	11.7	10.4	9.59	9.32	9.57	10.3	11.4	
170	35.9	35.2	34.0	32.5	30.6	28.4	25.9	23.1	20.1	17.2	14.6	12.3	10.6	9.68	9.33	9.53	10.3	11.4	
180	37.3	36.9	35.9	34.2	32.2	29.8	27.1	24.1	21.0	17.9	15.0	12.6	10.7	9.70	9.32	9.52	10.3	11.4	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2025-01-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.250m [K=1.0000]
Remarks: