

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	830.3 cd per klm.
(Luminaire orientation as tested.)	-1.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	108.5V x 114.5H
	At 50% of Imax	59.4V x 58.7H
	At 90% of Imax	21.0V x 22.6H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	896.9 lumens per klm.
	To 50% of Imax	493.6 lumens per klm.
	To 90% of Imax	96.7 lumens per klm.

Upward LOR	2.3 %
Downward LOR	97.8 %

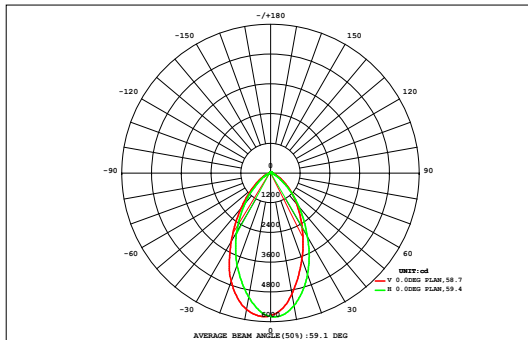
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2024-11-30

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:218.66V I:0.2417A P:50.641W PF:0.9583 Freq:49.99Hz Lamp Flux:6988.28x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:138.00lm/W	
MODEL		Imax (cd)	5802
NOMINAL POWER (W)	50	AVAILABILITY (%)	89.4
RATED VOLTAGE (V)	220	Avai. FLUX (lm)	6251
NOMINAL FLUX (lm)	6988.28	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	6988
TEST VOLTAGE (V)	220	θ @50% (H,V)	59,59DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.04	0.11	0.19	0.27	0.35	0.43	0.49	0.53	0.54	0.55	0.56	0.54	0.49	0.42	0.34	0.25	0.16	0.05	6.29	0.00
90	0.04	0.11	0.19	0.27	0.35	0.43	0.49	0.53	0.54	0.55	0.56	0.54	0.49	0.42	0.34	0.25	0.16	0.05	6.29	0.00
80	0.04	0.13	0.31	0.62	1.02	1.43	1.77	1.96	1.97	1.95	1.92	1.71	1.37	0.99	0.63	0.35	0.18	0.06	18.4	0.00
70	0.04	0.20	0.67	1.49	2.65	4.00	5.31	6.25	6.54	6.51	6.16	5.19	3.87	2.52	1.40	0.64	0.23	0.06	53.7	0.00
60	0.05	0.33	1.20	2.86	5.37	8.59	12.1	15.1	16.5	16.4	14.9	11.9	8.33	5.17	2.72	1.12	0.33	0.06	123	31.4
50	0.05	0.48	1.87	4.66	9.31	16.0	23.7	31.1	35.5	35.7	31.4	23.7	15.7	8.98	4.46	1.76	0.46	0.07	245	204
40	0.06	0.65	2.59	6.79	14.5	26.0	40.7	54.6	63.9	65.1	57.0	42.5	26.4	14.1	6.49	2.46	0.60	0.07	424	399
30	0.07	0.80	3.30	9.06	20.1	37.2	58.9	82.2	98.6	102	89.2	65.0	39.7	20.1	8.69	3.13	0.74	0.08	639	619
	0.08	0.92	3.88	11.0	24.9	46.3	75.5	108	132	138	122	88.0	52.1	25.7	10.6	3.67	0.86	0.09	844	827
	0.08	1.00	4.25	12.3	27.8	51.5	85.0	125	159	166	145	105	60.5	29.4	11.9	4.01	0.93	0.09	989	973
	0.08	1.00	4.25	12.3	27.9	51.9	86.0	127	163	170	148	106	60.9	29.5	11.9	4.02	0.93	0.09	1005	989
	0.08	0.93	3.89	11.1	25.4	47.3	77.9	114	142	148	127	90.3	53.1	26.2	10.7	3.69	0.86	0.09	882	866
-30	0.07	0.81	3.31	9.14	20.6	38.4	61.6	87.2	107	110	94.2	67.6	40.9	20.6	8.77	3.14	0.75	0.08	674	655
-40	0.06	0.65	2.61	6.88	14.8	27.4	42.9	58.4	69.4	70.5	60.8	44.7	27.7	14.4	6.58	2.48	0.61	0.08	451	425
-50	0.05	0.49	1.89	4.70	9.50	16.5	25.4	33.9	39.2	39.4	34.2	25.4	16.2	9.18	4.50	1.78	0.46	0.07	263	223
-60	0.05	0.34	1.22	2.92	5.46	8.84	12.6	15.8	17.7	17.6	15.7	12.3	8.59	5.26	2.78	1.14	0.34	0.06	129	38.9
-70	0.04	0.22	0.69	1.54	2.74	4.14	5.47	6.51	6.92	6.88	6.41	5.35	4.01	2.62	1.45	0.66	0.24	0.06	56.0	0.00
-80	0.04	0.14	0.34	0.68	1.10	1.54	1.92	2.16	2.20	2.19	2.12	1.87	1.48	1.07	0.68	0.39	0.19	0.06	20.2	0.00
-90	0.04	0.12	0.21	0.32	0.44	0.55	0.66	0.73	0.77	0.78	0.76	0.70	0.61	0.50	0.39	0.28	0.16	0.05	8.06	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	1.01	9.31	36.7	98.6	214	388	618	870	1064	1098	958	697	422	217	95.0	35.0	9.04	1.27	6830	---
Φ a	0.00	0.00	0.00	42.4	172	350	581	834	1029	1063	922	660	384	175	37.5	0.00	0.00	0.00	---	6251

one-half-peak spread: U:29.8,D:30.0 , L:30.1,R:29.1

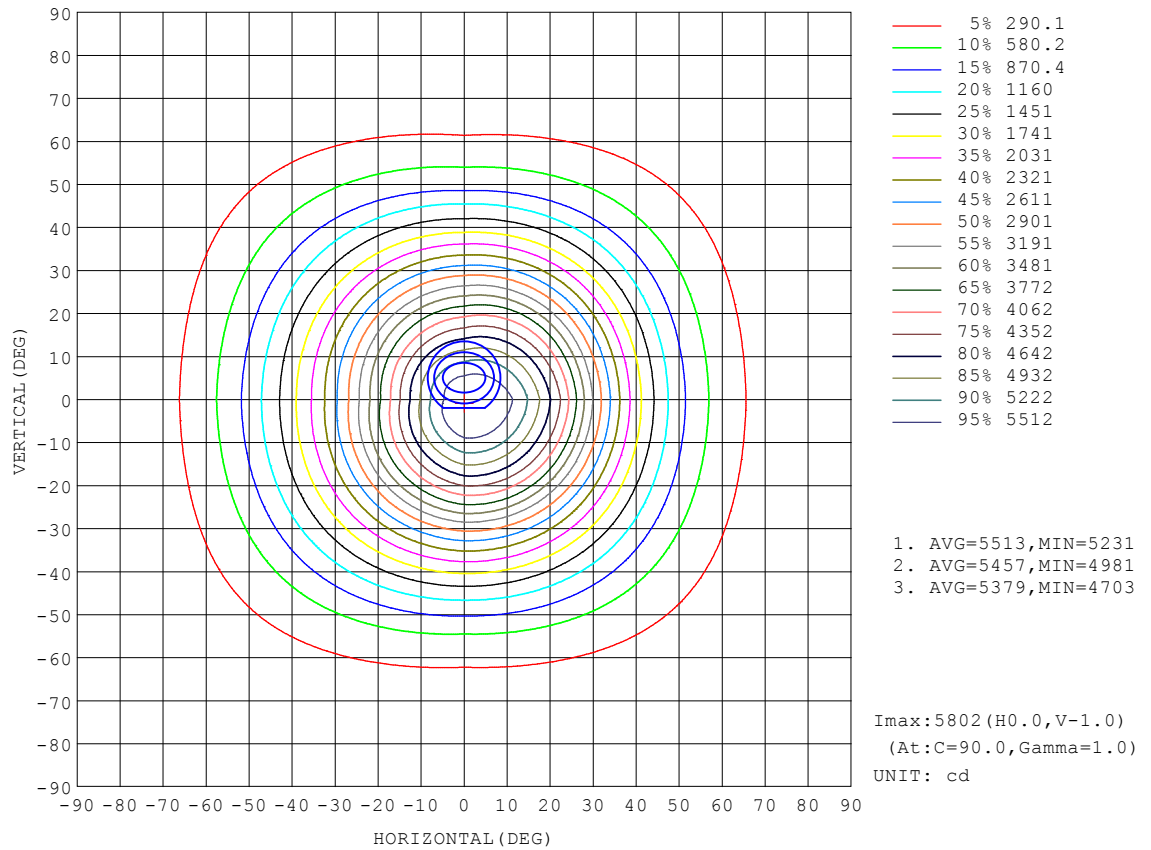
NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2024-11-30

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:218.66V I:0.2417A P:50.641W PF:0.9583 Freq:49.99Hz Lamp Flux:6988.28x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

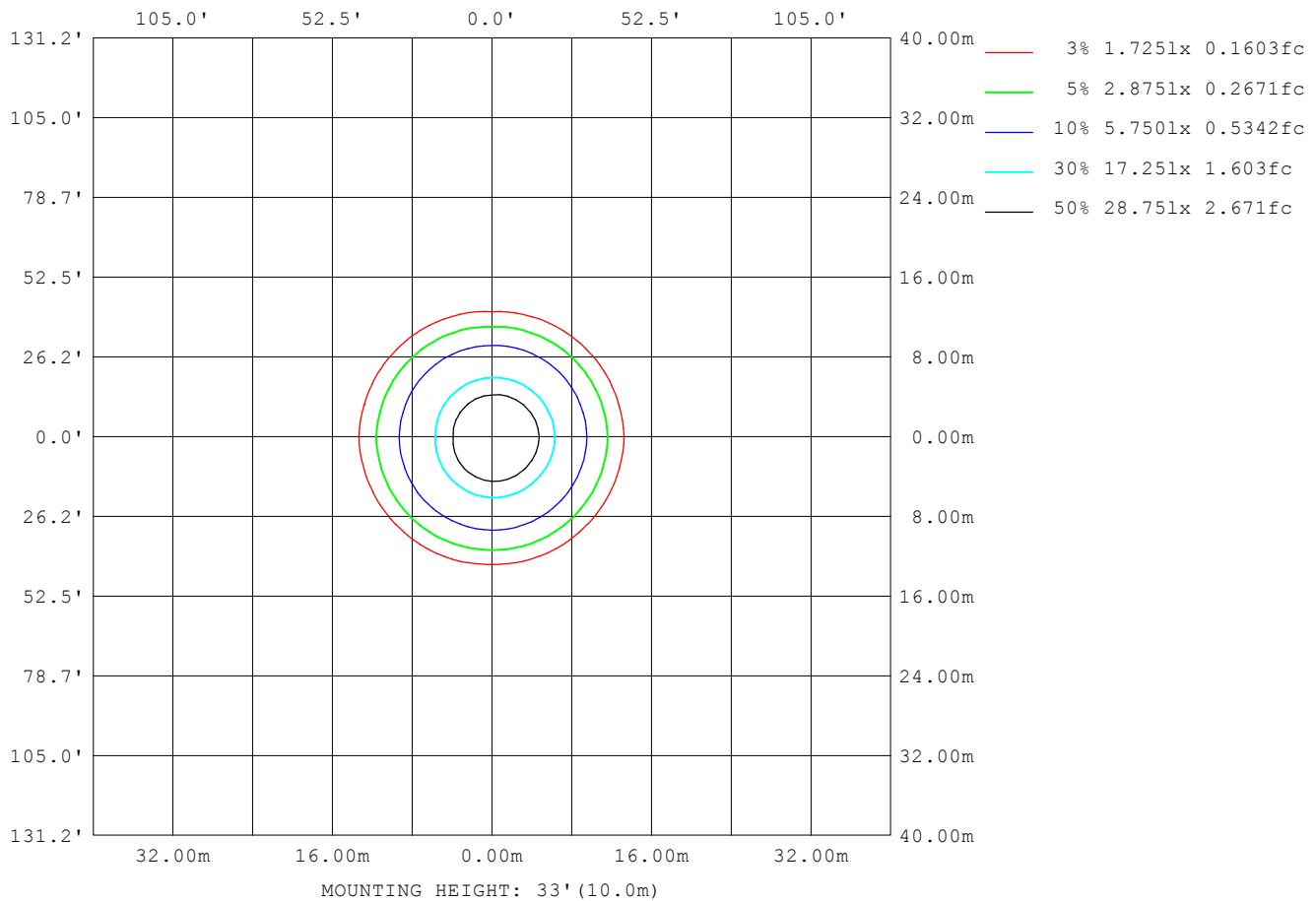


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Remarks:

ISOLUX DIAGRAM

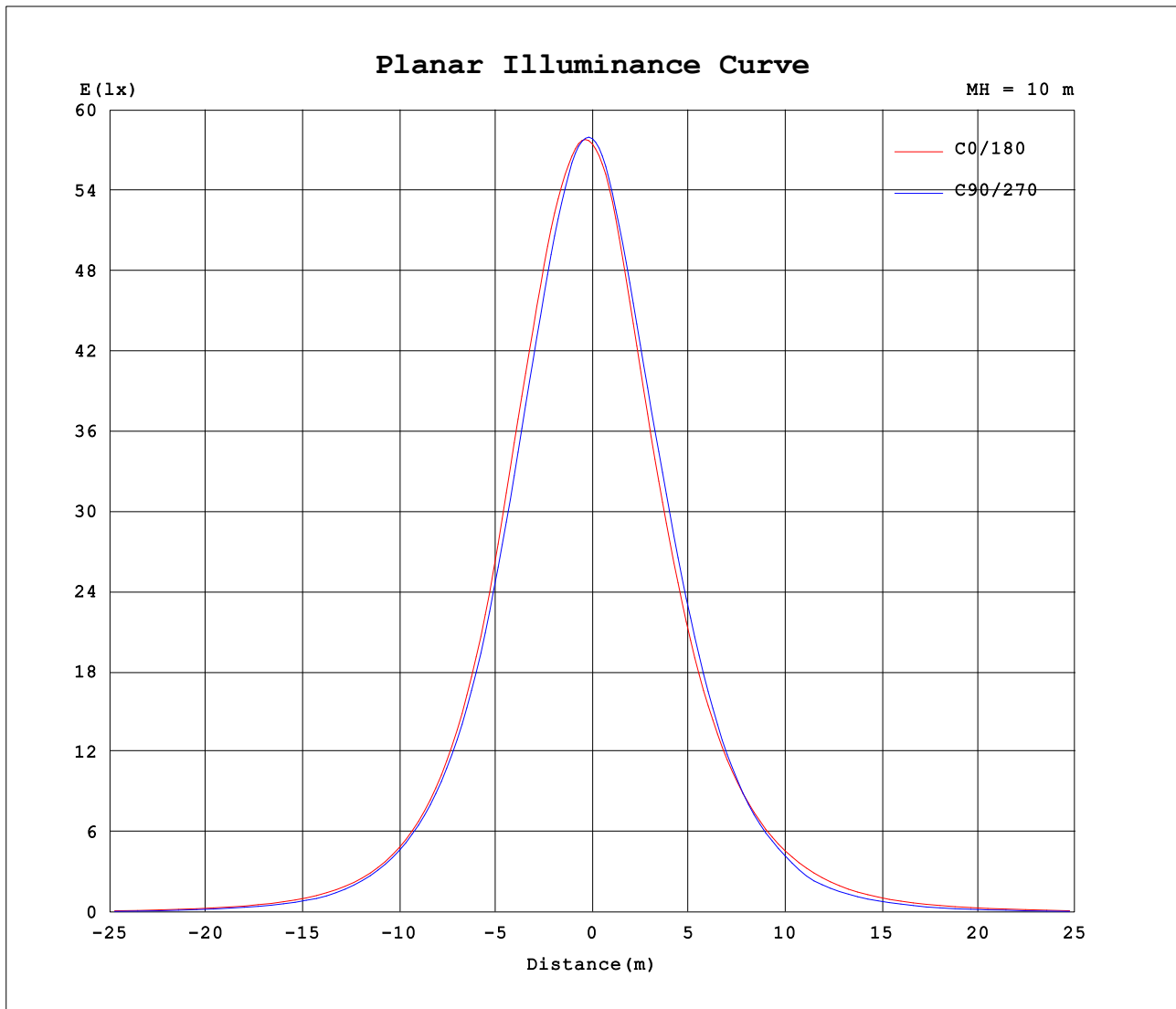
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 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
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 Remarks:

Planar Illuminance Curve

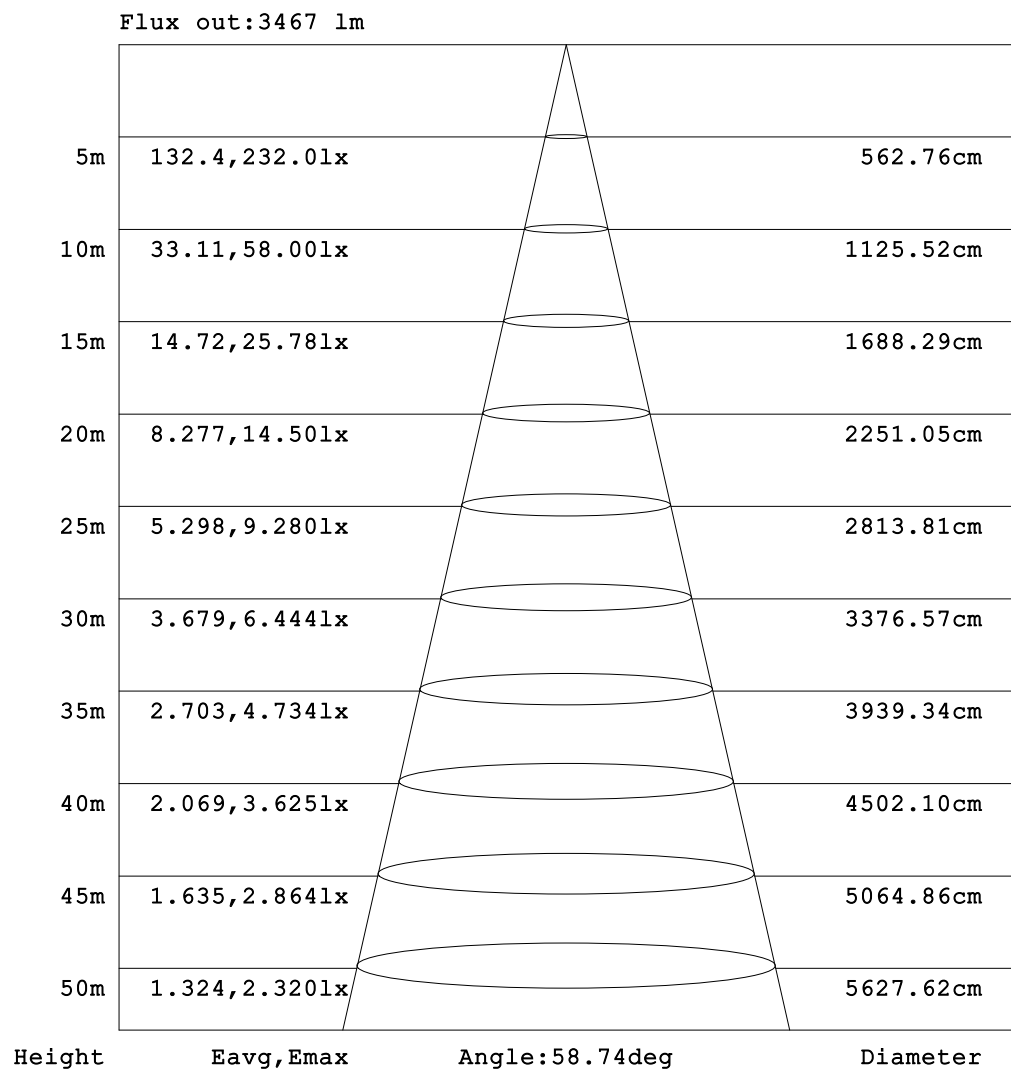


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C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2024-11-30

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:

AAI Figure

Test:U:218.66V I:0.2417A P:50.641W PF:0.9583 Freq:49.99Hz Lamp Flux:6988.28x1 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: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2024-11-30

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:218.66V I:0.2417A P:50.641W PF:0.9583 Freq:49.99Hz Lamp Flux:6988.28x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
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	13.4	13.3	14.2	15.5	17.2	19.4	21.9	24.8	28.1	31.6	35.2	38.7	42.1	45.4	48.4	51.1	53.3	54.9	55.6
-170	13.4	13.3	14.2	15.4	17.1	19.1	21.5	24.2	27.2	30.5	33.9	37.3	40.5	43.6	46.4	48.7	50.3	51.0	50.7
-160	13.4	13.3	14.1	15.3	16.7	18.5	20.6	22.9	25.5	28.3	31.2	34.1	37.0	39.8	42.1	43.9	45.3	45.9	45.9
-150	13.4	13.4	14.0	15.0	16.2	17.7	19.3	21.2	23.3	25.5	27.7	29.9	32.1	34.1	36.0	37.5	38.6	39.2	39.1
-140	13.4	13.4	13.9	14.7	15.6	16.7	18.0	19.3	20.8	22.4	24.0	25.5	26.9	28.2	29.2	30.1	30.7	30.9	30.7
-130	13.4	13.4	13.8	14.4	15.0	15.8	16.6	17.5	18.5	19.5	20.5	21.4	22.2	23.0	23.6	24.0	24.2	24.2	24.0
-120	13.4	13.4	13.7	14.1	14.5	15.0	15.5	16.0	16.6	17.1	17.6	18.1	18.5	18.9	19.2	19.4	19.5	19.5	19.3
-110	13.4	13.4	13.6	13.9	14.2	14.5	14.8	15.0	15.3	15.5	15.8	16.0	16.1	16.3	16.4	16.5	16.5	16.5	16.5
-100	13.4	13.5	13.7	13.9	14.2	14.4	14.6	14.8	14.9	15.1	15.2	15.4	15.5	15.6	15.7	15.8	15.9	16.0	16.1
-90	13.4	13.7	14.0	14.3	14.6	15.0	15.3	15.6	15.9	16.2	16.5	16.8	17.1	17.4	17.7	18.1	18.4	18.7	19.0
-80	13.4	14.1	14.8	15.8	17.2	18.9	21.2	23.8	26.4	29.0	31.6	33.8	35.8	37.2	38.2	38.6	38.6	38.2	37.4
-70	13.4	14.5	16.5	20.8	27.6	36.6	47.3	58.2	69.0	78.9	91.1	102	112	120	125	129	130	128	125
-60	13.4	15.1	20.2	31.6	49.2	70.3	94.4	122	152	181	212	241	269	300	329	348	361	366	362
-50	13.4	15.8	26.0	47.8	78.3	116	161	212	267	334	409	485	563	639	721	800	858	889	896
-40	13.4	16.8	33.1	66.3	112	169	239	320	427	548	688	865	1045	1223	1394	1548	1670	1754	1790
-30	13.4	18.0	40.6	84.7	145	223	319	449	609	812	1056	1319	1600	1888	2184	2465	2707	2888	2983
-20	13.4	19.0	47.3	100	175	270	399	568	789	1069	1381	1729	2117	2548	3010	3474	3872	4180	4363
-10	13.4	19.6	51.8	112	195	305	457	660	926	1242	1600	2004	2480	3023	3611	4191	4742	5179	5433
0	13.4	19.8	53.6	117	204	321	483	699	978	1302	1665	2075	2557	3113	3697	4329	4954	5488	5750
10	13.4	19.5	51.7	112	194	305	455	658	916	1230	1580	1975	2439	2954	3508	4036	4538	4917	5089
20	13.4	18.8	47.0	99.9	174	270	396	566	780	1039	1353	1680	2049	2458	2878	3277	3617	3854	3965
30	13.4	17.8	40.1	84.3	144	221	318	442	603	791	1007	1276	1531	1795	2066	2320	2532	2682	2749
40	13.4	16.5	32.4	65.6	111	168	236	318	417	541	675	819	968	1153	1316	1443	1541	1604	1623
50	13.4	15.5	25.2	46.8	77.4	114	159	209	266	328	393	475	550	620	683	733	766	781	776
60	13.4	14.7	19.3	30.2	47.7	69.0	91.9	118	148	177	207	238	266	291	310	323	332	333	327
70	13.4	14.1	15.7	19.4	25.6	34.3	44.9	56.0	66.8	76.1	85.5	96.0	104	111	118	122	123	122	118
80	13.4	13.7	14.1	14.6	15.5	16.7	18.3	20.3	22.3	24.3	26.4	28.3	30.1	31.2	32.1	32.3	32.0	31.3	30.1
90	13.4	13.4	13.3	13.2	13.2	13.1	13.1	13.0	13.0	12.9	12.9	12.8	12.8	12.7	12.7	12.6	12.6	12.5	12.5
100	13.4	13.2	13.1	13.1	13.1	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.7	13.8	13.9	13.9	13.9	13.9	13.9
110	13.4	13.1	13.1	13.3	13.5	13.8	14.1	14.4	14.7	15.1	15.4	15.7	16.0	16.2	16.4	16.6	16.7	16.7	16.7
120	13.4	13.1	13.3	13.6	14.1	14.6	15.2	15.9	16.6	17.3	17.9	18.6	19.2	19.8	20.2	20.6	20.8	21.0	21.0
130	13.4	13.1	13.5	14.1	14.8	15.7	16.6	17.7	18.8	20.0	21.2	22.4	23.5	24.5	25.4	26.1	26.5	26.8	26.8
140	13.4	13.2	13.7	14.5	15.5	16.7	18.1	19.7	21.3	23.1	24.9	26.7	28.4	29.9	31.2	32.2	32.9	33.3	33.3
150	13.4	13.2	13.9	14.9	16.2	17.7	19.5	21.6	23.8	26.2	28.7	31.1	33.4	35.3	37.1	38.4	39.3	39.8	39.8
160	13.4	13.3	14.0	15.2	16.7	18.6	20.7	23.2	26.0	28.9	32.0	34.9	37.6	40.1	42.3	44.2	45.4	46.0	45.9
170	13.4	13.3	14.1	15.4	17.1	19.1	21.6	24.3	27.5	30.8	34.2	37.6	40.7	43.7	46.4	48.6	50.2	50.8	50.4
180	13.4	13.3	14.2	15.5	17.2	19.4	21.9	24.8	28.1	31.6	35.2	38.7	42.1	45.4	48.4	51.1	53.3	54.9	55.3

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NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
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	54.8	53.3	50.9	47.8	44.2	40.3	36.3	31.8	27.9	24.6	22.1	20.1	18.6	17.6	17.2	17.5	18.5	20.3	
-170	51.0	50.2	48.4	45.7	42.5	38.9	34.9	30.8	27.2	24.2	21.8	19.9	18.5	17.5	17.2	17.5	18.5	20.3	
-160	45.8	45.0	43.4	41.3	38.6	35.3	31.8	28.5	25.5	23.0	21.0	19.4	18.1	17.4	17.1	17.5	18.6	20.3	
-150	39.0	38.2	36.8	34.9	32.7	30.2	27.7	25.4	23.3	21.4	19.9	18.6	17.7	17.2	17.1	17.6	18.7	20.3	
-140	30.6	30.1	29.2	28.0	26.7	25.2	23.7	22.3	20.9	19.7	18.6	17.8	17.3	17.0	17.2	17.8	18.8	20.3	
-130	24.0	23.7	23.3	22.7	22.0	21.2	20.4	19.6	18.8	18.1	17.5	17.1	16.9	17.0	17.4	18.0	19.0	20.3	
-120	19.3	19.3	19.1	18.8	18.5	18.2	17.8	17.5	17.2	17.0	16.8	16.8	16.9	17.2	17.7	18.4	19.3	20.3	
-110	16.5	16.5	16.6	16.5	16.5	16.5	16.5	16.5	16.6	16.7	16.8	17.1	17.4	17.8	18.3	18.9	19.5	20.3	
-100	16.1	16.2	16.4	16.5	16.6	16.8	16.9	17.1	17.3	17.5	17.8	18.1	18.4	18.7	19.1	19.5	19.9	20.3	
-90	19.1	19.1	19.2	19.3	19.4	19.4	19.5	19.6	19.7	19.7	19.8	19.9	20.0	20.0	20.1	20.2	20.3	20.3	
-80	38.0	38.4	38.4	38.0	37.1	36.0	34.5	32.8	30.7	28.9	27.1	25.3	24.0	22.9	22.0	21.2	20.7	20.3	
-70	128	128	127	123	116	108	97.4	86.6	74.7	65.0	55.2	45.9	37.7	30.7	25.9	23.1	21.3	20.3	
-60	364	358	343	323	294	262	234	205	175	144	115	88.1	65.7	47.5	34.0	25.8	22.0	20.3	
-50	889	856	796	715	630	550	473	395	321	257	202	152	108	72.7	46.6	30.0	22.9	20.3	
-40	1771	1700	1583	1425	1243	1050	857	673	531	409	307	227	160	104	61.9	35.5	23.7	20.3	
-30	2955	2828	2616	2338	2017	1690	1365	1063	798	587	429	305	211	136	78.1	41.3	24.6	20.3	
-20	4333	4156	3835	3379	2877	2370	1884	1454	1078	771	545	378	256	164	92.4	46.4	25.4	20.3	
-10	5390	5170	4791	4284	3616	2934	2303	1753	1290	914	633	433	290	183	103	49.8	25.8	20.3	
0	5777	5590	5203	4656	3960	3178	2482	1871	1374	971	671	457	304	192	108	51.2	26.0	20.3	
10	5128	4966	4635	4181	3547	2892	2274	1733	1278	904	631	431	289	183	103	49.7	25.7	20.3	
20	4007	3902	3638	3247	2787	2302	1835	1425	1048	762	542	375	255	163	92.1	46.1	25.2	20.3	
30	2749	2653	2471	2219	1924	1621	1322	1014	777	581	421	304	210	135	77.7	40.8	24.4	20.3	
40	1621	1571	1478	1347	1173	973	810	660	524	399	305	224	158	102	61.2	34.8	23.5	20.3	
50	781	765	729	677	611	537	463	379	315	256	199	150	106	71.8	45.6	29.2	22.6	20.3	
60	332	329	318	304	284	260	231	199	171	140	112	85.6	64.4	46.1	32.7	24.9	21.7	20.3	
70	121	122	120	115	108	101	91.8	80.9	71.8	62.9	53.0	43.5	35.3	28.7	24.5	22.3	20.9	20.3	
80	31.1	31.8	32.0	31.9	31.2	30.3	29.0	27.6	26.0	24.8	23.5	22.5	21.8	21.2	20.8	20.4	20.3	20.3	
90	12.9	13.4	13.8	14.2	14.7	15.1	15.5	16.0	16.4	16.8	17.3	17.7	18.2	18.6	19.0	19.5	19.9	20.3	
100	14.1	14.3	14.5	14.7	14.8	15.0	15.2	15.5	15.7	16.0	16.3	16.7	17.2	17.7	18.2	18.8	19.6	20.3	
110	16.7	16.7	16.7	16.6	16.5	16.3	16.2	16.1	16.1	16.1	16.2	16.4	16.7	17.1	17.6	18.4	19.3	20.3	
120	20.9	20.6	20.3	19.9	19.4	18.9	18.4	17.9	17.4	17.0	16.7	16.6	16.6	16.8	17.3	18.0	19.0	20.3	
130	26.5	26.1	25.4	24.5	23.5	22.5	21.4	20.3	19.3	18.5	17.7	17.2	16.8	16.8	17.1	17.7	18.8	20.3	
140	33.0	32.3	31.3	30.0	28.5	26.8	25.0	23.3	21.6	20.2	19.0	18.0	17.3	16.9	17.0	17.6	18.7	20.3	
150	39.6	38.9	37.7	36.0	33.9	31.4	28.9	26.3	24.0	22.0	20.2	18.8	17.8	17.1	17.0	17.5	18.6	20.3	
160	45.9	45.2	43.7	41.5	38.9	35.9	32.5	29.2	26.1	23.5	21.3	19.5	18.2	17.4	17.1	17.4	18.5	20.3	
170	50.8	50.1	48.3	45.8	42.6	39.1	35.2	31.2	27.5	24.4	21.9	20.0	18.5	17.5	17.1	17.4	18.5	20.3	
180	54.8	53.3	50.9	47.8	44.2	40.3	36.3	31.8	27.9	24.6	22.1	20.1	18.6	17.6	17.2	17.5	18.5	20.3	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2024-11-30

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: