

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	336.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	65.0 degrees horizontal

Beam Spread	At 10% of Imax	153.0V x 170.1H
	At 50% of Imax	125.6V x 160.1H
	At 90% of Imax	39.2V x 153.6H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	962.5 lumens per klm.
	To 50% of Imax	750.3 lumens per klm.
	To 90% of Imax	172.3 lumens per klm.

Upward LOR	2.3 %
Downward LOR	97.7 %

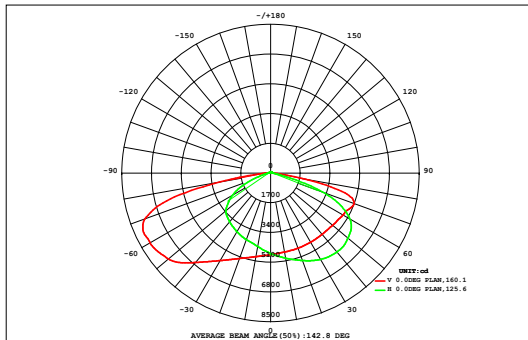
Luminaire Efficiency (Light Output Ratio)	100.0 %
---	---------

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
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:218.40V I:0.9440A P:201.17W PF:0.9757 Freq:49.99Hz Lamp Flux:23877.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:118.69lm/W	
MODEL	FL02	Imax(cd)	8023
NOMINAL POWER(W)	200W	AVAILABILITY(%)	96.3
RATED VOLTAGE(V)		Avai. FLUX(lm)	22996
NOMINAL FLUX(lm)	23877.7	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	23878
TEST VOLTAGE(V)	0	θ @50% (H,V)	160,126DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.20	0.60	1.10	1.72	2.20	2.90	3.63	4.21	4.56	4.85	5.04	4.86	4.34	3.73	3.44	2.49	1.38	0.44	51.7	0.00
90	0.20	0.60	1.10	1.72	2.20	2.90	3.63	4.21	4.56	4.85	5.04	4.86	4.34	3.73	3.44	2.49	1.38	0.44	51.7	0.00
80	0.22	1.25	4.51	8.74	9.02	11.2	14.9	17.8	19.0	20.1	20.9	19.3	15.8	13.3	14.0	8.56	3.10	0.56	202	76.1
70	0.29	3.69	15.3	26.0	26.3	34.2	45.9	53.7	56.7	58.5	58.8	53.6	43.7	37.7	37.5	23.1	7.11	0.82	583	572
60	0.48	8.46	30.1	43.6	51.1	62.9	77.1	86.0	89.8	92.2	92.6	87.1	74.7	67.7	62.7	43.0	13.7	1.22	985	981
50	0.77	14.8	41.6	56.5	69.1	80.1	92.0	101	106	109	109	104	95.6	92.9	82.5	60.0	22.0	1.73	1239	1237
40	1.12	20.9	49.0	65.1	79.4	89.0	98.7	108	114	116	116	111	111	110	97.6	72.8	30.2	2.31	1392	1391
30	1.49	25.8	54.1	71.2	85.7	96.8	105	114	120	122	121	119	124	123	110	82.8	37.0	2.88	1518	1517
	1.81	29.6	57.9	75.9	91.1	104	114	121	126	128	128	131	135	135	120	91.1	42.3	3.36	1636	1634
	2.03	32.2	61.5	80.0	96.3	111	122	130	134	137	140	143	147	148	131	98.5	46.3	3.68	1763	1763
	2.04	32.7	63.3	83.0	101	116	129	137	142	148	152	155	157	155	136	102	47.1	3.71	1862	1861
	1.83	31.0	63.5	85.0	104	121	135	145	152	159	165	167	165	158	136	100	44.8	3.43	1936	1934
	1.51	27.9	63.1	86.8	108	126	142	154	164	171	178	181	175	161	136	97.6	40.7	2.98	2016	2015
-30	1.14	23.2	60.9	87.7	111	131	148	162	173	181	188	190	182	164	135	92.1	34.5	2.42	2066	2064
-40	0.79	16.6	54.5	85.5	112	134	151	165	175	184	191	192	186	164	130	81.2	26.1	1.81	2049	2047
-50	0.49	9.37	40.8	74.3	104	129	147	160	168	177	186	187	179	155	113	62.1	16.7	1.28	1910	1907
-60	0.30	3.95	19.9	47.7	74.3	98.4	117	129	134	142	153	155	143	117	76.6	35.2	8.53	0.86	1456	1450
-70	0.23	1.34	5.15	13.2	24.5	36.9	46.1	50.0	48.2	54.3	67.2	71.5	66.2	51.1	29.4	12.1	3.51	0.59	582	538
-80	0.21	0.70	1.35	2.20	3.05	4.12	5.18	5.94	6.21	7.66	9.90	10.5	9.48	7.28	5.03	3.07	1.55	0.46	83.9	7.77
-90	0.21	0.70	1.35	2.20	3.05	4.12	5.18	5.94	6.21	7.66	9.90	10.5	9.48	7.28	5.03	3.07	1.55	0.46	83.9	7.77
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	16.9	284	688	994	1252	1489	1694	1844	1932	2011	2081	2082	2013	1864	1556	1067	427	34.5	23330	---
Φ a	7.69	271	674	978	1232	1467	1670	1819	1906	1985	2059	2061	1992	1845	1540	1053	413	23.5	---	22996

one-half-peak spread: U:27.6,D:55.4 , L:9.2,R:15.9

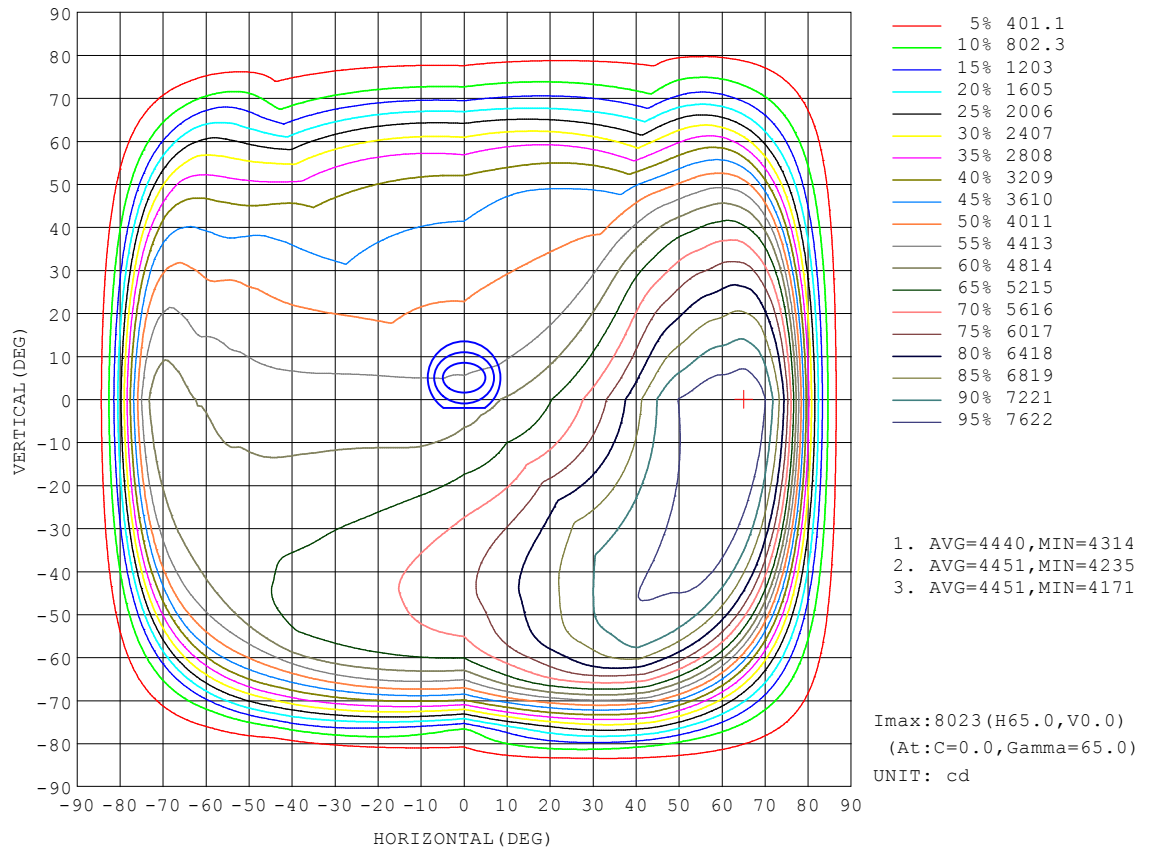
NEMA Beam Type: Type 7

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:218.40V I:0.9440A P:201.17W PF:0.9757 Freq:49.99Hz Lamp Flux:23877.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

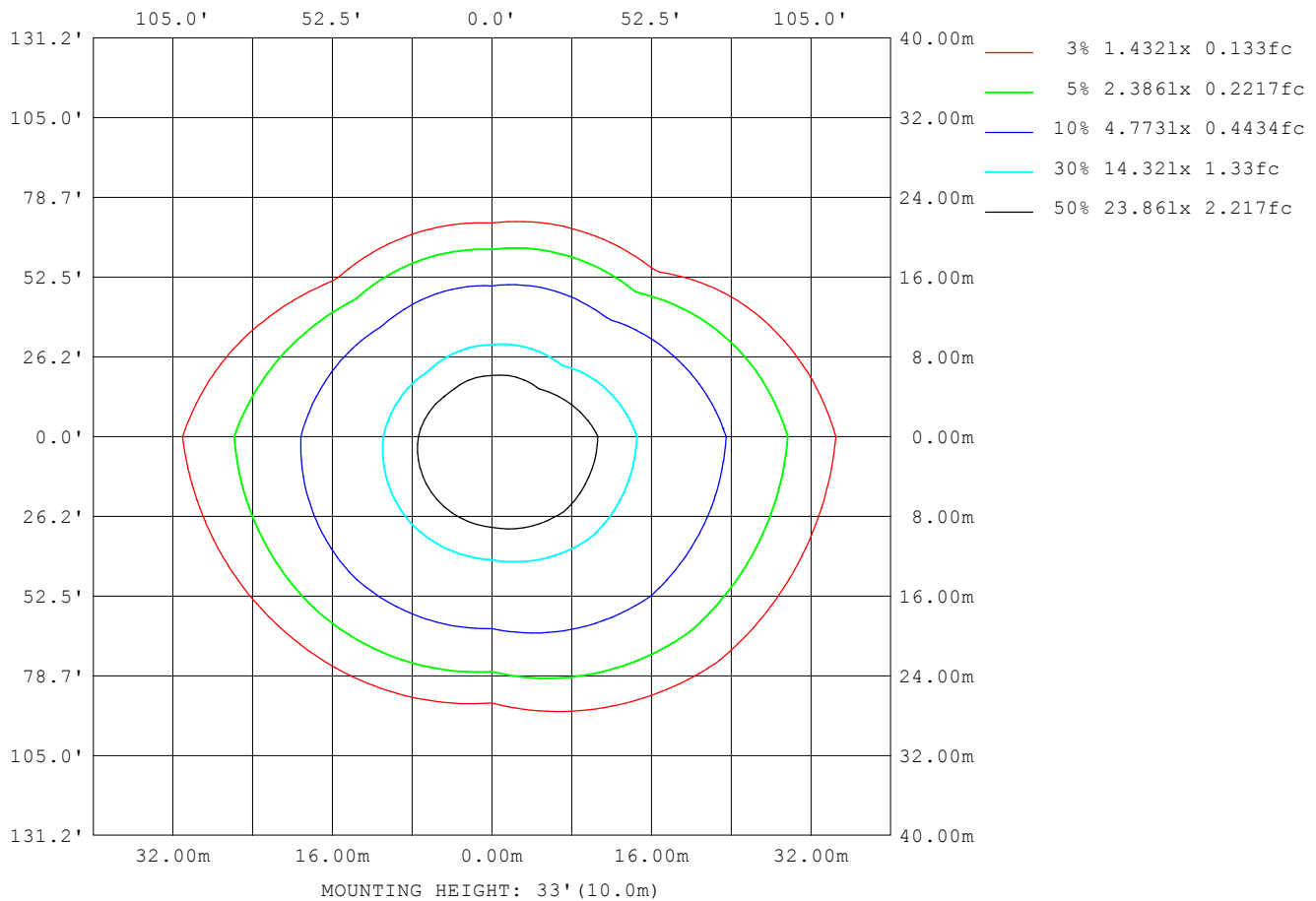


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-05-25

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:

ISOLUX DIAGRAM

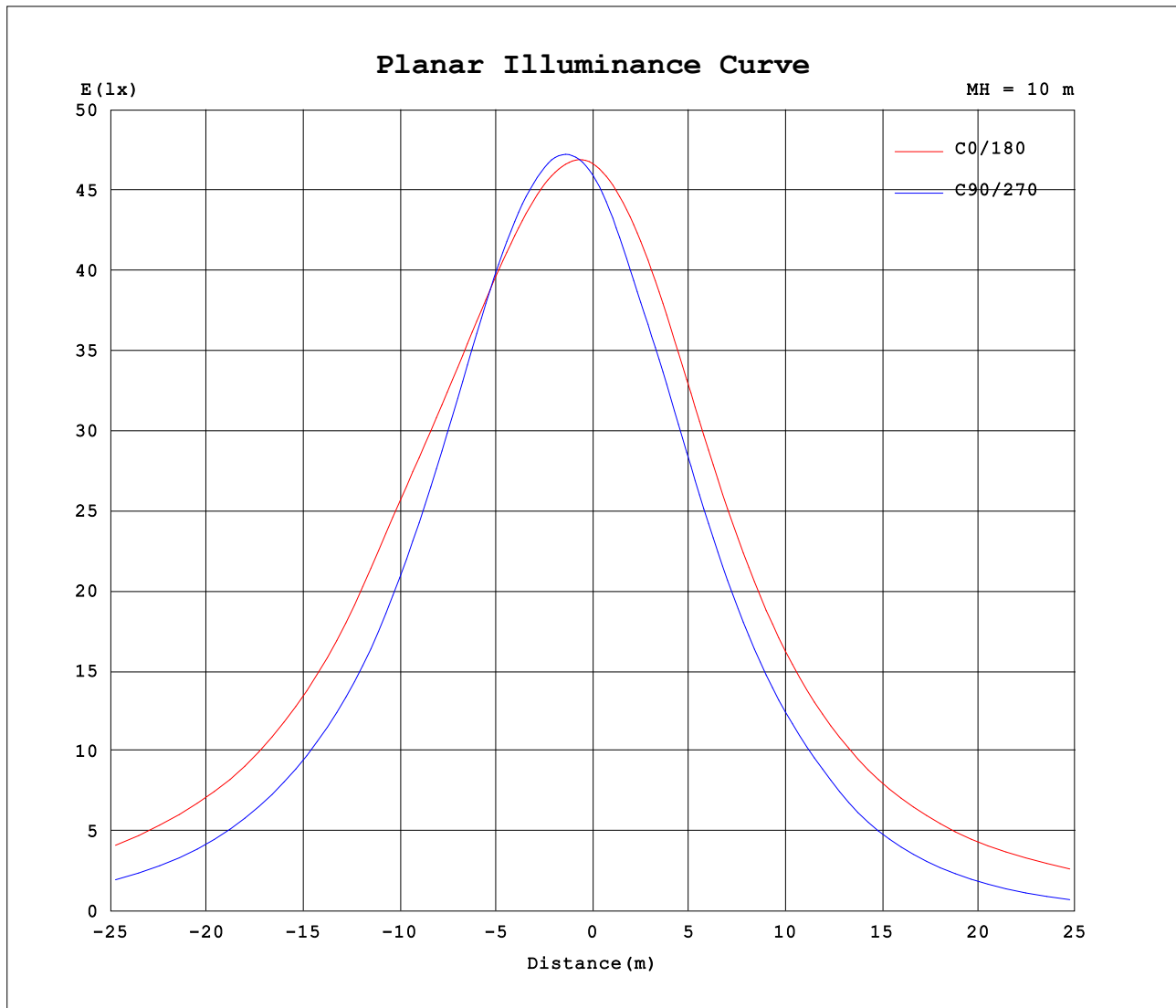
Test:U:218.40V I:0.9440A P:201.17W PF:0.9757 Freq:49.99Hz Lamp Flux:23877.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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:

Planar Illuminance Curve



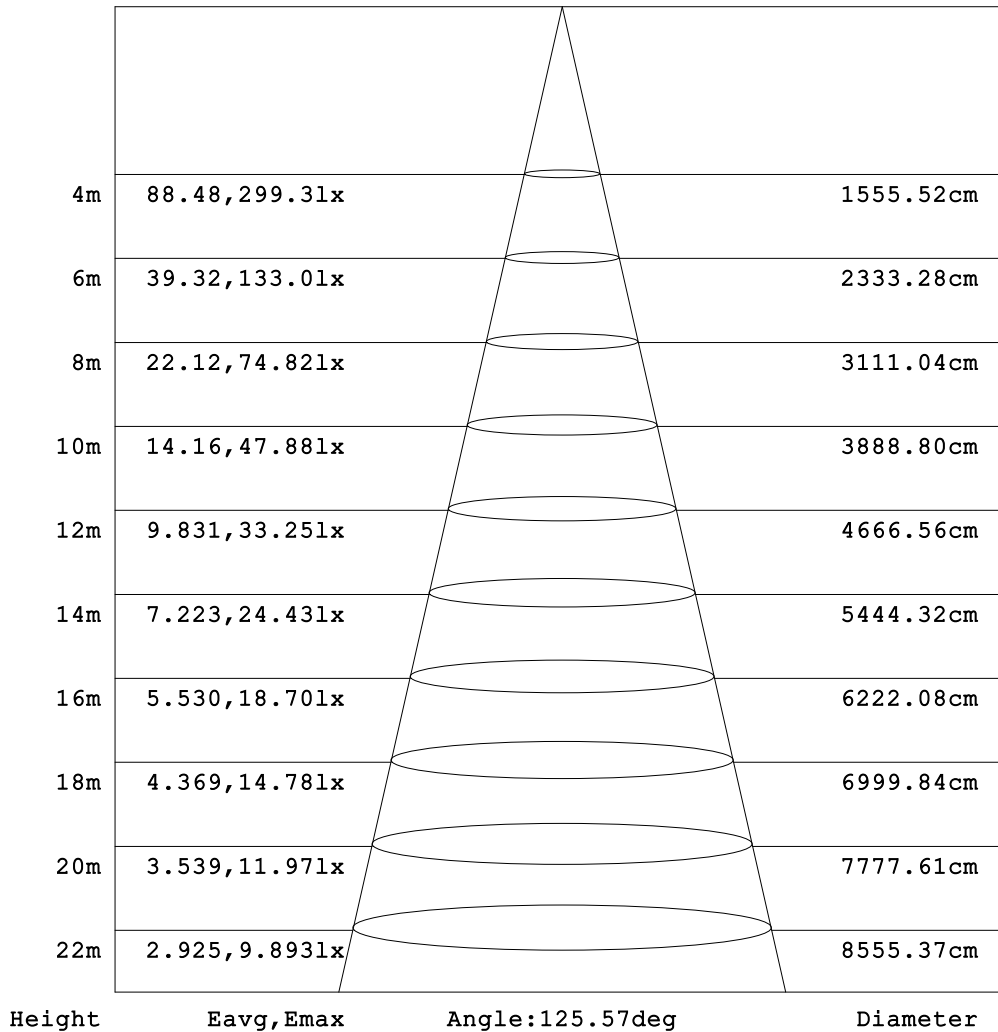
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-05-25

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:218.40V I:0.9440A P:201.17W PF:0.9757 Freq:49.99Hz Lamp Flux:23877.7x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:17131 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:218.40V I:0.9440A P:201.17W PF:0.9757 Freq:49.99Hz Lamp Flux:23877.7x1 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	75.9	82.6	87.3	92.2	97.1	101	104	109	114	116	116	115	113	111	108	105	103	101	100
-170	75.9	82.7	87.0	91.2	95.0	98.0	99.5	102	105	106	105	102	99.7	96.2	92.3	87.6	82.0	83.0	84.1
-160	75.9	82.6	86.6	89.8	92.6	94.5	95.0	95.5	96.3	96.1	94.1	91.0	87.4	83.4	78.8	77.8	77.9	78.2	78.0
-150	75.9	82.4	86.2	88.4	90.2	91.1	91.0	89.7	88.5	86.9	84.3	80.6	76.2	73.3	74.1	74.8	74.8	74.4	73.8
-140	75.9	82.0	85.7	87.1	88.1	88.1	87.4	85.7	83.0	80.0	76.5	72.2	70.1	70.4	70.8	71.0	71.2	71.1	70.9
-130	75.9	81.5	85.2	86.3	86.5	86.0	84.7	82.7	80.0	76.8	72.8	70.2	69.6	69.2	69.0	68.9	68.7	68.6	68.4
-120	75.9	80.8	84.5	86.0	86.0	85.2	83.7	81.6	78.9	75.8	72.8	71.8	71.0	70.2	69.6	69.0	68.6	68.1	67.8
-110	75.9	80.1	83.5	85.7	86.6	86.3	85.2	83.6	81.6	79.2	77.1	75.5	74.2	73.0	72.1	71.2	70.5	69.8	69.2
-100	75.9	79.3	82.3	84.9	86.8	88.2	89.1	89.4	89.3	88.8	87.2	85.6	84.1	82.7	81.5	80.4	79.5	78.6	77.9
-90	75.9	78.6	81.3	84.0	86.7	89.4	92.1	94.8	97.5	100	99.9	99.5	99.2	98.8	98.4	98.1	97.7	97.3	97.0
-80	75.9	78.4	86.1	99.0	122	154	190	238	265	275	339	393	435	471	515	531	525	502	466
-70	75.9	83.5	125	244	464	751	1147	1644	2038	2341	2630	2847	3001	3127	3210	3261	3275	3245	3165
-60	75.9	94.7	244	670	1397	2394	3168	3691	4032	4328	4641	4850	4964	5045	5114	5169	5207	5230	5231
-50	75.9	116	501	1412	2839	3876	4368	4692	4964	5134	5284	5356	5416	5477	5527	5585	5649	5716	5781
-40	75.9	151	800	2405	3957	4585	4864	5009	5123	5195	5282	5335	5376	5431	5507	5592	5686	5787	5896
-30	75.9	194	1154	3242	4537	4885	4963	5021	5052	5092	5115	5155	5206	5256	5314	5387	5473	5576	5700
-20	75.9	233	1499	3815	4831	4965	4917	4926	4932	4923	4937	4964	4989	5014	5037	5076	5130	5207	5320
-10	75.9	258	1755	4212	4992	4950	4864	4806	4781	4756	4757	4764	4776	4783	4784	4783	4785	4834	4938
0	75.9	268	1871	4417	5094	4922	4792	4688	4639	4593	4579	4570	4573	4574	4574	4577	4585	4615	4667
10	75.9	257	1737	4097	4775	4655	4537	4460	4407	4353	4326	4309	4301	4292	4278	4253	4222	4266	4265
20	75.9	232	1472	3612	4417	4385	4251	4232	4175	4110	4065	4034	4006	3982	3951	3994	4039	4060	4058
30	75.9	192	1129	3003	3974	4063	3952	3929	3907	3854	3788	3732	3684	3673	3743	3799	3839	3861	3867
40	75.9	149	780	2199	3351	3606	3568	3501	3503	3518	3465	3396	3404	3474	3534	3580	3614	3635	3643
50	75.9	113	489	1309	2378	2912	2975	2919	2873	2854	2861	2964	3077	3147	3211	3269	3314	3341	3350
60	75.9	91.6	237	634	1217	1816	2067	2046	1930	1811	1786	2019	2198	2334	2428	2492	2525	2529	2505
70	75.9	79.7	119	232	432	647	854	966	905	690	653	765	878	977	1052	1104	1133	1137	1119
80	75.9	73.9	78.1	88.5	110	139	168	201	207	187	205	227	248	265	279	289	296	298	298
90	75.9	74.2	72.4	70.7	69.0	67.3	65.6	63.9	62.1	60.4	60.0	59.6	59.1	58.7	58.3	57.8	57.4	57.0	56.5
100	75.9	74.8	73.5	72.1	70.7	69.2	67.6	66.1	64.5	62.9	62.6	62.3	62.0	61.5	60.9	60.2	59.4	58.4	57.4
110	75.9	75.9	75.8	75.6	75.1	74.7	74.4	74.3	74.2	74.1	74.3	74.6	74.7	74.6	74.3	73.7	73.1	72.2	71.2
120	75.9	77.1	78.2	78.8	79.3	80.2	81.3	82.2	82.7	82.8	82.7	83.0	83.1	83.0	82.8	82.3	81.5	80.6	79.5
130	75.9	78.3	80.4	81.7	83.5	85.5	87.2	88.3	88.8	89.0	89.0	89.3	90.1	90.6	90.5	89.9	89.0	87.8	86.2
140	75.9	79.4	82.2	84.5	87.3	89.9	91.9	93.1	93.8	95.1	96.7	97.9	98.9	99.4	99.1	98.1	96.8	95.1	93.3
150	75.9	80.4	83.8	87.0	90.7	93.6	95.8	97.2	99.5	102	104	106	105	104	102	100	98.1	95.9	93.8
160	75.9	81.3	85.2	89.2	93.3	96.7	98.9	102	105	109	110	109	108	106	103	100	97.4	94.6	91.9
170	75.9	82.1	86.4	91.0	95.5	99.2	102	106	110	113	113	112	110	107	104	101	98.4	94.6	90.2
180	75.9	82.6	87.3	92.2	97.1	101	104	109	114	116	116	115	113	111	108	105	103	101	98.8

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:218.40V I:0.9440A P:201.17W PF:0.9757 Freq:49.99Hz Lamp Flux:23877.7x1 lm																		
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	97.8	97.2	96.5	93.2	90.5	93.9	96.0	95.7	95.1	95.3	96.4	99.2	103	110	118	127	138	157	
-170	88.4	90.8	91.0	89.6	89.4	91.4	92.2	92.2	92.3	93.0	94.7	97.9	102	109	117	127	137	157	
-160	81.0	83.3	85.4	86.7	87.2	87.9	88.3	88.8	89.7	91.2	93.7	97.4	102	109	118	127	138	157	
-150	76.4	78.8	80.6	81.8	82.8	83.8	84.9	86.3	88.1	90.5	93.8	97.7	103	110	119	128	138	157	
-140	72.9	74.7	76.3	77.9	79.6	81.3	83.3	85.5	88.2	91.3	94.9	99.4	105	112	121	130	139	157	
-130	70.4	72.4	74.4	76.4	78.7	81.3	84.2	87.2	90.1	93.5	97.5	102	109	116	124	132	139	157	
-120	70.1	72.5	75.0	77.7	80.4	83.5	86.8	90.5	93.8	97.8	103	108	114	121	128	134	140	157	
-110	72.1	75.0	78.1	81.3	84.8	88.7	92.9	97.5	102	106	111	116	122	127	132	137	141	157	
-100	81.5	85.2	89.1	93.2	97.5	102	107	112	117	120	124	127	130	134	137	140	144	157	
-90	102	106	111	116	121	125	130	135	139	141	143	145	147	149	151	153	155	157	
-80	645	809	949	1058	1128	1151	1122	1040	896	734	602	513	412	332	263	211	185	157	
-70	3503	3786	4019	4201	4329	4388	4376	4282	4023	3560	2972	2323	1657	1038	631	364	215	157	
-60	5515	5775	6017	6243	6463	6672	6839	6882	6587	6182	5639	4884	3784	2518	1389	644	273	157	
-50	6007	6231	6458	6693	6941	7201	7457	7561	7540	7466	7141	6578	5727	4285	2464	1041	353	157	
-40	6082	6280	6491	6717	6956	7208	7416	7547	7670	7693	7686	7469	6851	5735	3648	1558	444	157	
-30	5847	6030	6254	6516	6813	7007	7186	7385	7553	7721	7783	7789	7489	6604	4704	2047	542	157	
-20	5425	5594	5843	6128	6317	6539	6808	7133	7444	7643	7822	7847	7791	7124	5494	2481	626	157	
-10	5033	5214	5345	5535	5787	6081	6425	6846	7305	7612	7819	7905	7938	7456	5943	2798	680	157	
0	4743	4850	5002	5196	5454	5776	6178	6672	7240	7635	7845	7961	8023	7638	6165	2929	702	157	
10	4338	4383	4540	4726	4962	5260	5632	6096	6613	6977	7229	7367	7454	7101	5745	2737	676	157	
20	4129	4179	4214	4286	4531	4827	5188	5627	6060	6364	6629	6764	6838	6451	5129	2372	619	157	
30	3937	3994	4044	4087	4125	4362	4736	5125	5457	5758	5979	6133	6143	5693	4234	1918	534	157	
40	3722	3789	3848	3900	3943	3966	4133	4471	4781	5029	5215	5341	5259	4718	3175	1443	436	157	
50	3429	3489	3528	3546	3547	3530	3476	3576	3810	4036	4237	4315	4141	3359	2083	970	345	157	
60	2601	2669	2707	2704	2653	2556	2409	2226	2466	2768	2967	2957	2573	1905	1178	602	266	157	
70	1191	1241	1268	1271	1248	1196	1111	998	1032	1287	1394	1325	1116	827	560	342	208	157	
80	315	328	338	344	345	341	331	317	308	364	382	369	334	287	236	196	178	157	
90	59.5	62.5	65.5	68.4	71.4	74.4	77.4	80.3	83.3	91.5	99.7	108	116	124	133	141	149	157	
100	58.5	59.5	60.3	61.1	61.8	62.4	62.9	63.4	64.3	71.6	79.2	87.4	96.4	106	116	126	138	157	
110	71.7	72.1	72.4	72.6	72.8	72.9	72.9	72.8	74.2	78.7	83.7	89.5	96.4	104	114	124	135	157	
120	79.6	79.5	79.4	79.1	78.8	78.3	77.9	77.5	79.7	83.0	87.1	91.8	97.4	104	113	123	134	157	
130	86.0	85.6	85.0	84.3	83.3	82.1	81.1	81.4	83.1	85.4	88.5	92.7	98.1	104	112	122	134	157	
140	92.5	91.6	90.7	89.7	88.4	86.8	85.9	85.6	86.0	87.4	89.8	93.3	98.3	105	113	122	134	157	
150	92.5	91.4	90.4	89.7	89.1	89.7	90.0	89.4	89.2	89.5	91.3	94.2	98.8	105	113	123	135	157	
160	90.1	88.7	87.8	87.7	89.5	91.0	91.9	92.1	91.7	91.7	92.8	95.5	99.8	106	114	124	135	157	
170	87.2	85.4	88.3	88.6	89.6	92.4	93.7	93.9	93.6	93.6	94.5	97.2	101	108	116	125	136	157	
180	97.8	97.2	96.5	93.2	90.5	93.9	96.0	95.7	95.1	95.3	96.4	99.2	103	110	118	127	138	157	

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: