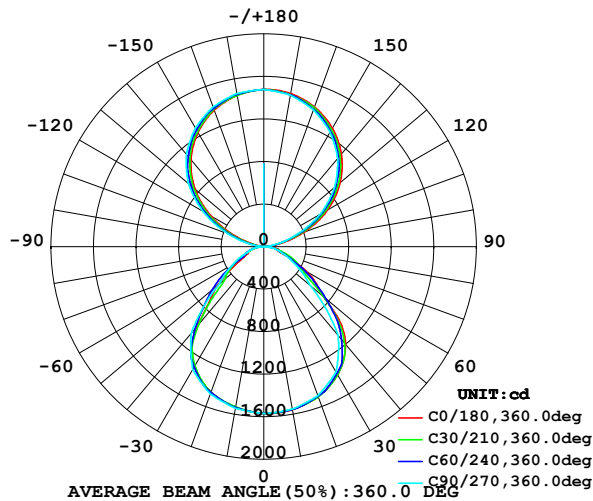


LUMINAIRE PHOTOMETRIC TEST REPORT

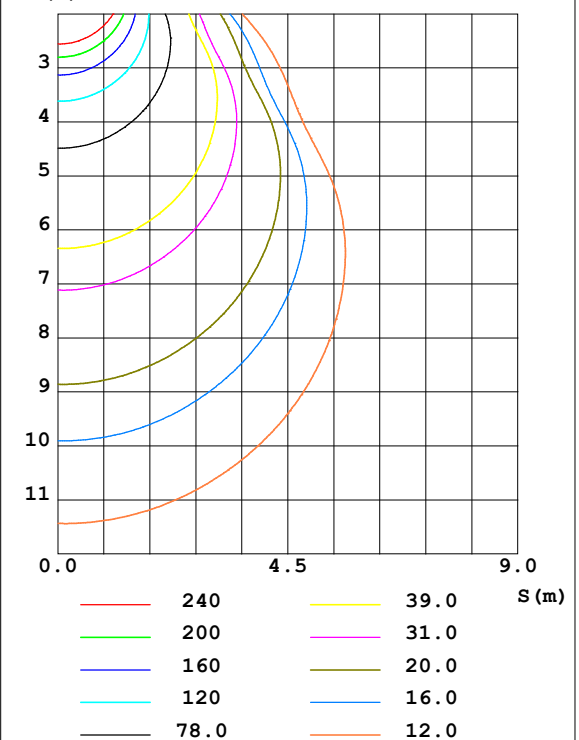
NAME: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 88.35 lm/W			
MODEL	2835	I _{max} (cd)	1571	S/MH (C0/180)	1.31
NOMINAL POWER (W)	80	LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	7598.0	η UP, DN (C0-180)	26.5, 23.4
NOMINAL FLUX (lm)	7598.03	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	27.2, 22.9
LAMPS INSIDE	1	η up (%)	53.7	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220.0	η down (%)	46.3	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2025-07-01

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 8.150m [K=1.2270]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	1569	1564	1560	1555	1557	1553	1556	1561	0- 5	37.37	37.37	0.49,0.49
10	1556	1553	1551	1536	1534	1531	1543	1547	5- 10	110.9	148.3	1.95,1.95
15	1532	1534	1521	1508	1501	1502	1508	1523	10- 15	181.4	329.7	4.34,4.34
20	1498	1497	1491	1460	1454	1453	1473	1481	15- 20	246.4	576.1	7.58,7.58
25	1452	1453	1425	1401	1391	1394	1404	1432	20- 25	303.6	879.7	11.6,11.6
30	1390	1387	1360	1306	1302	1302	1335	1360	25- 30	349.2	1229	16.2,16.2
35	1307	1300	1225	1161	1178	1170	1198	1264	30- 35	378.8	1608	21.2,21.2
40	1196	1187	1090	957.6	963.7	988.2	1062	1137	35- 40	382.4	1990	26.2,26.2
45	1027	980.3	830.0	718.5	717.8	767.0	803.3	908.0	40- 45	352.6	2343	30.8,30.8
50	736.2	756.3	570.3	527.5	561.6	580.7	545.0	672.6	45- 50	295.2	2638	34.7,34.7
55	599.2	594.7	459.4	411.1	395.2	441.3	437.8	522.4	50- 55	237.2	2875	37.8,37.8
60	456.6	443.4	348.4	318.5	252.9	338.5	330.6	390.7	55- 60	191.2	3067	40.4,40.4
65	289.4	305.8	267.9	242.8	183.5	258.3	249.5	275.0	60- 65	148.1	3215	42.3,42.3
70	177.7	223.9	187.3	177.4	161.5	190.7	168.3	203.6	65- 70	114.0	3329	43.8,43.8
75	138.4	168.0	140.7	123.4	125.8	129.4	130.2	151.2	70- 75	86.30	3415	44.9,44.9
80	125.8	112.5	94.20	77.48	78.13	88.93	92.18	100.1	75- 80	63.13	3478	45.8,45.8
85	76.08	32.61	0	20.73	12.59	27.90	0	29.14	80- 85	34.64	3513	46.2,46.2
90	25.85	0	0	0	3.217	0	0	0	85- 90	4.442	3517	46.3,46.3
95	40.32	19.33	0	14.13	4.941	13.85	0.0000	23.42	90- 95	2.024	3519	46.3,46.3
100	130.3	104.0	88.10	80.63	41.57	86.07	96.08	121.5	95-100	27.22	3546	46.7,46.7
105	261.0	209.1	202.1	168.3	136.2	184.0	227.4	238.4	100-105	78.38	3625	47.7,47.7
110	403.4	354.4	316.2	300.7	267.7	322.8	358.7	386.1	105-110	140.9	3766	49.6,49.6
115	553.9	502.2	465.6	443.9	418.8	466.7	508.4	535.9	110-115	208.8	3975	52.3,52.3
120	693.5	649.7	615.0	590.2	567.1	612.3	658.2	688.3	115-120	272.3	4247	55.9,55.9
125	821.5	777.9	742.5	723.0	713.2	749.9	791.6	818.0	120-125	323.6	4571	60.2,60.2
130	937.4	902.1	869.9	852.4	844.0	885.2	925.0	942.7	125-130	361.1	4932	64.9,64.9
135	1042	1006	975.9	958.4	962.0	991.4	1029	1045	130-135	382.6	5314	69.9,69.9
140	1135	1108	1082	1063	1066	1095	1132	1144	135-140	389.4	5704	75.1,75.1
145	1217	1189	1164	1150	1159	1180	1210	1223	140-145	381.7	6085	80.1,80.1
150	1288	1264	1246	1232	1239	1260	1288	1294	145-150	360.8	6446	84.8,84.8
155	1348	1328	1307	1301	1309	1326	1343	1354	150-155	327.6	6774	89.2,89.2
160	1397	1379	1369	1356	1366	1376	1398	1400	155-160	283.8	7058	92.9,92.9
165	1435	1424	1408	1406	1410	1421	1430	1440	160-165	230.7	7288	95.9,95.9
170	1461	1450	1447	1438	1444	1448	1463	1461	165-170	170.3	7458	98.2,98.2
175	1476	1467	1463	1461	1467	1466	1470	1473	170-175	104.4	7563	99.5,99.5
180	1478	1478	1478	1478	1478	1478	1478	1478	175-180	35.18	7598	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

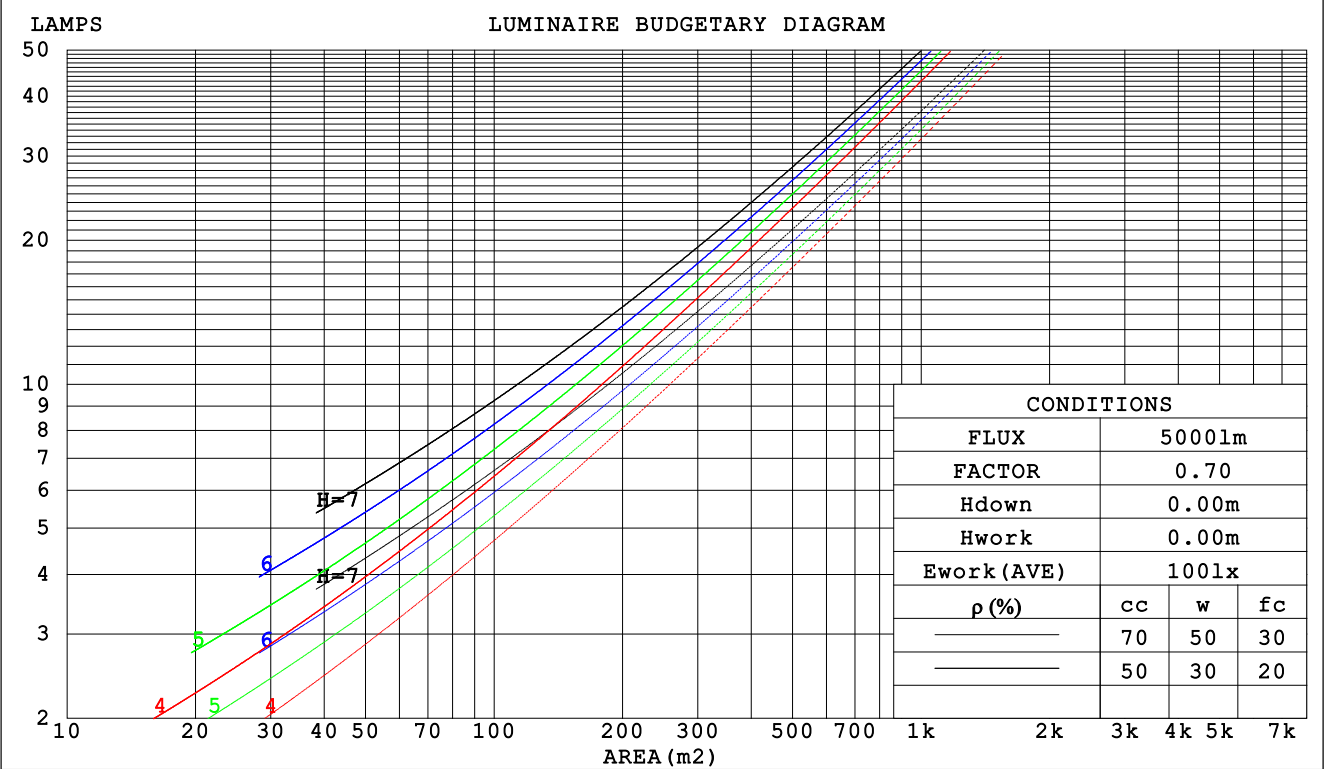
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-07-01

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.150m [K=1.2270]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.06	1.06	1.06	.98	.98	.98	.81	.81	.81	.66	.66	.66	.53	.53	.53	.46
1.0	.93	.90	.87	.86	.83	.80	.72	.70	.68	.59	.58	.56	.47	.47	.46	.40
2.0	.82	.77	.72	.76	.71	.67	.64	.60	.57	.53	.50	.48	.43	.41	.39	.35
3.0	.73	.66	.60	.67	.61	.56	.57	.52	.49	.47	.44	.41	.38	.36	.34	.30
4.0	.65	.57	.52	.60	.53	.48	.51	.46	.42	.42	.39	.36	.35	.32	.30	.26
5.0	.58	.50	.45	.54	.47	.42	.46	.41	.37	.38	.34	.31	.31	.29	.26	.23
6.0	.52	.44	.39	.48	.42	.37	.41	.36	.32	.35	.31	.28	.29	.26	.24	.21
7.0	.47	.40	.34	.44	.37	.32	.38	.32	.28	.32	.28	.25	.26	.23	.21	.18
8.0	.43	.36	.30	.40	.33	.29	.34	.29	.25	.29	.25	.22	.24	.21	.19	.17
9.0	.39	.32	.27	.37	.30	.26	.32	.26	.23	.27	.23	.20	.22	.19	.17	.15
10.0	.36	.29	.24	.34	.27	.23	.29	.24	.21	.25	.21	.18	.21	.18	.16	.14



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-07-01

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.150m [K=1.2270]
Remarks:

WEC AND CCEC

NAME: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.262	.149	.047	.239	.136	.043	.196	.112	.036	.156	.090	.029	.119	.069	.022		
2.0	.245	.134	.041	.224	.124	.038	.185	.103	.032	.148	.083	.026	.115	.065	.020		
3.0	.228	.121	.036	.209	.112	.034	.173	.094	.028	.139	.076	.023	.108	.060	.019		
4.0	.212	.110	.032	.195	.102	.030	.162	.086	.026	.131	.070	.021	.102	.055	.017		
5.0	.198	.101	.029	.182	.093	.027	.151	.079	.023	.123	.065	.019	.096	.051	.015		
6.0	.185	.093	.027	.170	.086	.025	.142	.073	.021	.115	.060	.018	.090	.048	.014		
7.0	.173	.086	.024	.159	.079	.023	.133	.067	.019	.108	.056	.016	.085	.044	.013		
8.0	.163	.079	.022	.150	.074	.021	.125	.063	.018	.102	.052	.015	.081	.041	.012		
9.0	.153	.074	.021	.141	.069	.019	.118	.058	.017	.097	.049	.014	.077	.039	.011		
10.0	.144	.069	.019	.133	.064	.018	.112	.055	.015	.092	.046	.013	.073	.037	.010		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.600	.600	.600	.513	.513	.513	.350	.350	.350	.201	.201	.201	.064	.064	.064	
1.0	.590	.569	.551	.504	.488	.474	.345	.336	.328	.199	.194	.191	.064	.063	.062	
2.0	.581	.547	.519	.498	.471	.449	.341	.326	.313	.197	.190	.183	.063	.061	.060	
3.0	.574	.532	.498	.492	.459	.432	.338	.319	.303	.195	.186	.178	.063	.060	.058	
4.0	.567	.520	.483	.487	.449	.420	.335	.313	.296	.194	.183	.175	.062	.060	.057	
5.0	.561	.510	.473	.482	.441	.411	.332	.308	.291	.192	.181	.172	.062	.059	.057	
6.0	.555	.503	.465	.477	.435	.405	.329	.305	.287	.191	.179	.170	.062	.059	.056	
7.0	.549	.497	.460	.472	.430	.401	.326	.302	.284	.190	.178	.169	.061	.058	.056	
8.0	.543	.491	.456	.468	.426	.397	.324	.299	.282	.188	.177	.168	.061	.058	.056	
9.0	.538	.487	.452	.464	.423	.395	.321	.297	.280	.187	.175	.167	.061	.058	.055	
10.0	.534	.483	.450	.460	.420	.393	.319	.295	.279	.186	.175	.166	.060	.057	.055	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-07-01

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.150m [K=1.2270]
Remarks:

Uncorrected UGR Table

NAME: FS2012					TYPE:			SERIAL No.:			
SPEC.:					DIM.:			PROTECTION ANGLE:			
MFR.: EVERFINE											
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	2H	14.8	15.7	15.7	16.6	17.7	14.4	15.3	15.3	16.2	17.3
	3H	15.6	16.4	16.5	17.3	18.5	15.0	15.8	16.0	16.7	17.9
	4H	15.9	16.6	16.8	17.5	18.7	15.3	16.0	16.2	17.0	18.2
	6H	16.2	16.9	17.2	17.9	19.1	15.5	16.2	16.5	17.2	18.4
	8H	16.4	17.1	17.4	18.0	19.3	15.6	16.2	16.5	17.2	18.4
	12H	16.6	17.3	17.6	18.2	19.4	15.5	16.1	16.5	17.1	18.3
4H	2H	15.0	15.7	15.9	16.6	17.8	14.6	15.3	15.5	16.2	17.4
	3H	16.0	16.6	16.9	17.5	18.8	15.4	16.0	16.3	16.9	18.2
	4H	16.4	17.0	17.4	17.9	19.2	15.8	16.3	16.7	17.3	18.5
	6H	16.9	17.4	17.9	18.4	19.7	16.1	16.6	17.1	17.6	18.9
	8H	17.2	17.6	18.2	18.6	19.9	16.2	16.6	17.2	17.6	18.9
	12H	17.5	17.9	18.5	18.9	20.2	16.1	16.5	17.1	17.5	18.9
8H	4H	16.4	16.9	17.5	17.9	19.2	15.9	16.3	16.9	17.3	18.6
	6H	17.1	17.4	18.1	18.5	19.8	16.4	16.7	17.4	17.8	19.1
	8H	17.5	17.8	18.5	18.8	20.2	16.5	16.8	17.6	17.9	19.2
	12H	17.9	18.1	18.9	19.2	20.6	16.4	16.7	17.5	17.8	19.1
12H	4H	16.4	16.8	17.4	17.8	19.1	15.8	16.2	16.9	17.2	18.6
	6H	17.1	17.4	18.1	18.4	19.8	16.4	16.7	17.5	17.8	19.1
	8H	17.5	17.8	18.6	18.8	20.2	16.6	16.8	17.6	17.9	19.3
Variations with the observer position at spacings:											
S = 1.0H		+ 0.4 / - 0.4					+ 0.4 / - 0.4				
1.5H		+ 0.2 / - 0.4					+ 0.4 / - 0.7				
2.0H		+ 0.7 / - 0.5					+ 0.5 / - 0.9				

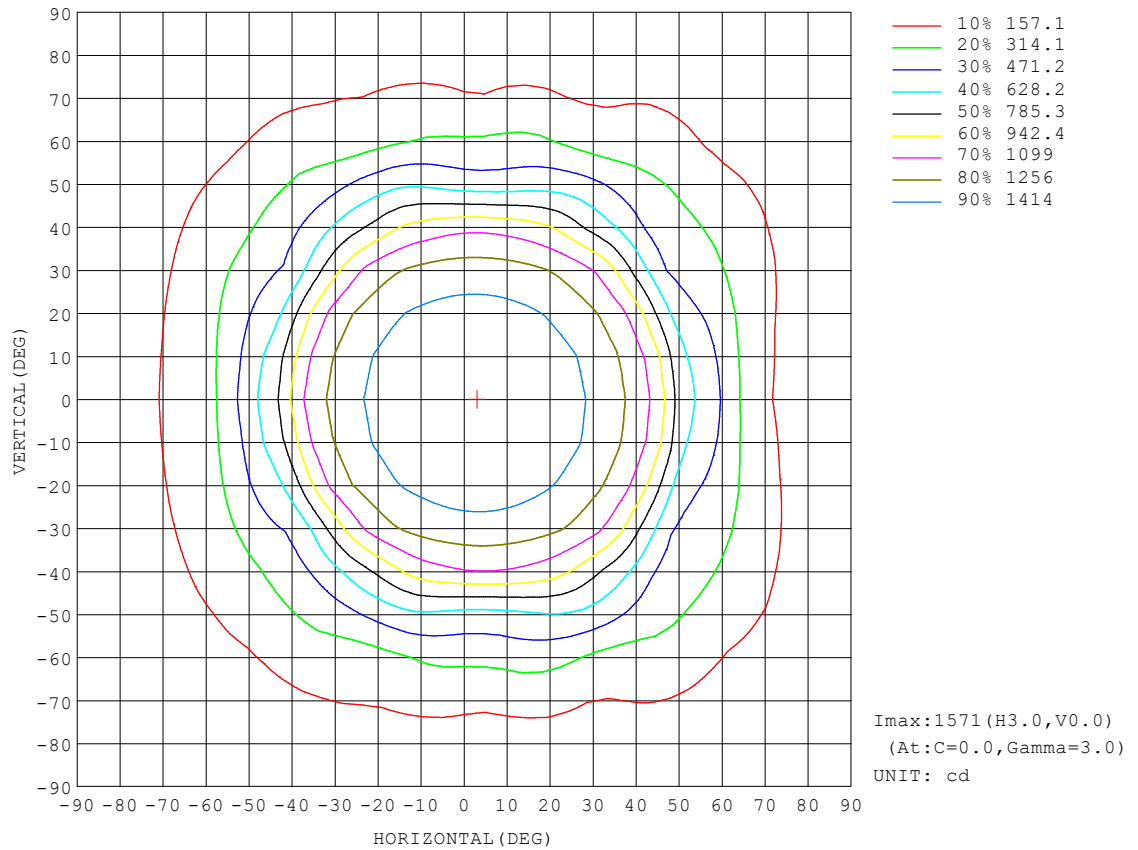
CIE Pub.117 Corrected 7598 lm Total Lamp Luminous Flux. (8log(F/F0) = 7.0)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2025-07-01

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
 Humidity: 65.0%
 Test Distance: 8.150m [K=1.2270]
 Remarks:

ISOCANDELA DIAGRAM

NAME: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

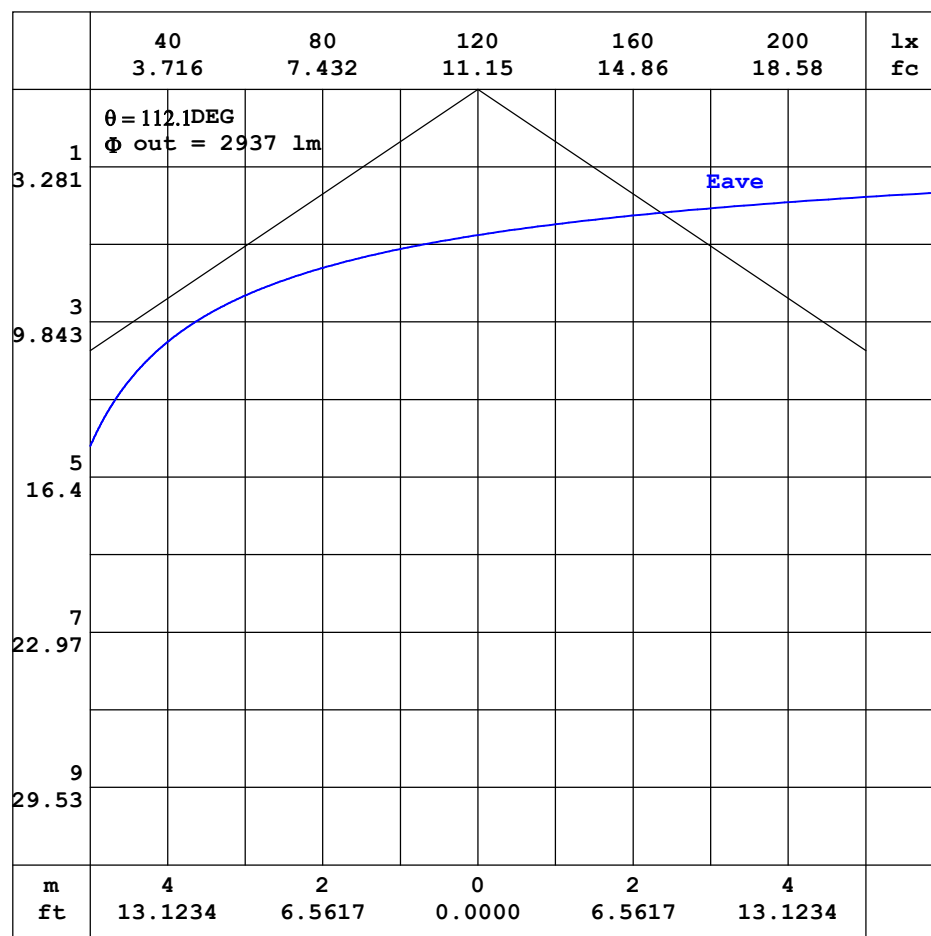


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2025-07-01

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 8.150m [K=1.2270]
Remarks:

AAI CURVES

NAME: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		



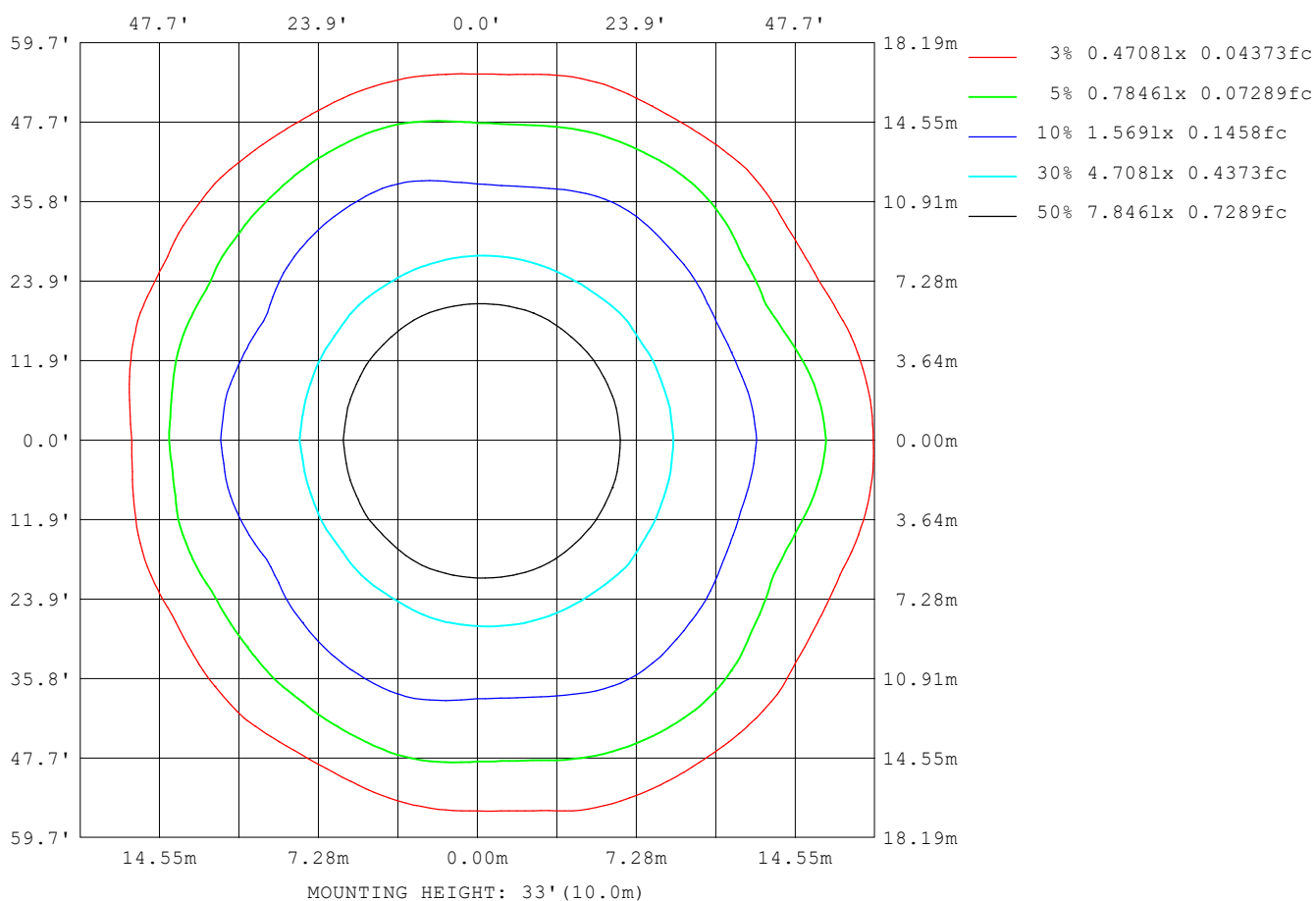
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2025-07-01

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
 Humidity: 65.0%
 Test Distance: 8.150m [K=1.2270]
 Remarks:

ISOLUX DIAGRAM

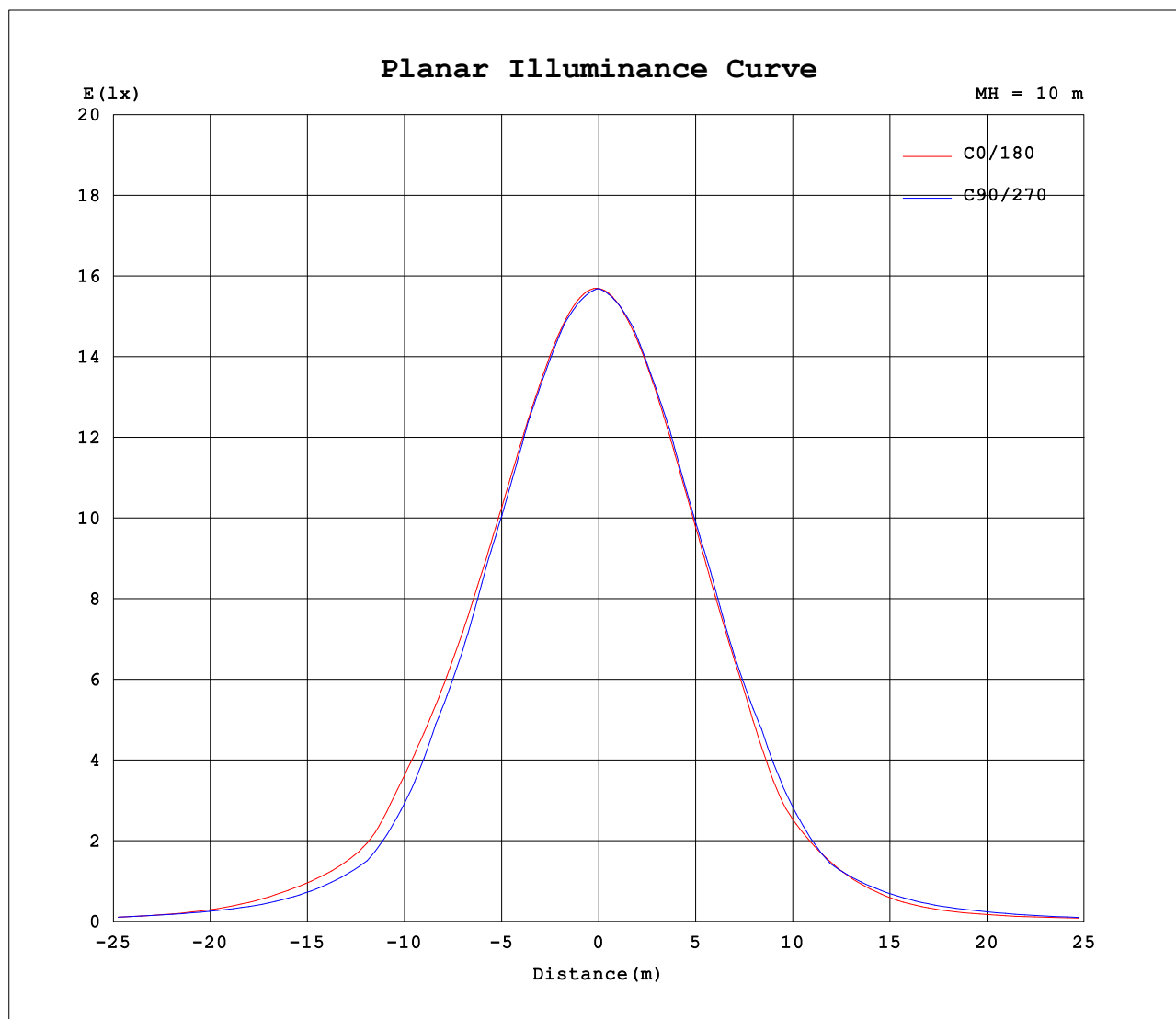
NAME: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2025-07-01

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 8.150m [K=1.2270]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2025-07-01

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity: 65.0%
Test Distance: 8.150m [K=1.2270]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569
5	1569	1568	1568	1567	1566	1566	1565	1565	1564	1564	1564	1563	1563	1563	1562	1562	1561	1561	1560
10	1556	1555	1554	1553	1553	1553	1553	1553	1553	1553	1554	1554	1554	1554	1554	1553	1553	1552	1551
15	1532	1530	1530	1529	1530	1531	1532	1534	1536	1534	1532	1531	1529	1528	1527	1526	1524	1522	1521
20	1498	1496	1496	1496	1498	1501	1503	1500	1498	1497	1496	1496	1496	1496	1496	1495	1494	1493	1491
25	1452	1450	1450	1453	1457	1457	1453	1452	1452	1453	1455	1452	1447	1443	1439	1436	1432	1429	1425
30	1390	1388	1389	1394	1395	1391	1389	1391	1394	1387	1383	1380	1377	1375	1373	1371	1368	1364	1360
35	1307	1304	1307	1314	1306	1305	1308	1304	1300	1300	1301	1302	1286	1271	1259	1250	1242	1234	1225
40	1196	1191	1195	1191	1187	1193	1182	1183	1190	1187	1164	1149	1138	1129	1121	1115	1109	1101	1090
45	1027	1017	1027	1001	1002	992	991	1013	1001	980	973	976	970	947	916	884	857	838	830
50	736	729	731	718	718	722	736	760	766	756	773	781	767	733	685	636	596	572	570
55	599	581	552	512	489	477	515	541	573	595	607	607	587	562	533	504	476	461	459
60	457	454	440	423	403	400	402	411	433	443	442	436	431	423	413	396	367	353	348
65	289	304	330	337	336	334	330	334	330	306	278	267	290	305	311	302	280	267	268
70	178	205	237	256	255	250	250	255	248	224	202	195	202	213	219	211	193	181	187
75	138	151	172	183	175	165	169	177	177	168	154	141	141	149	156	152	146	139	141
80	126	128	129	126	116	112	109	111	113	113	110	107	104	103	101	96.8	100	96.7	94.2
85	76.1	83.6	76.9	74.7	71.0	66.1	63.5	51.4	40.1	32.6	26.8	20.6	14.6	9.75	6.06	3.26	1.52	0.37	0.00
90	25.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	40.3	35.2	30.1	27.6	28.3	27.0	23.4	22.8	21.2	19.3	16.5	13.7	10.7	7.77	5.17	2.96	1.34	0.33	0.00
100	130	128	120	113	108	105	101	103	104	104	102	101	98.7	96.5	94.6	92.2	90.8	88.5	88.1
105	261	256	249	241	233	229	226	221	215	209	207	208	209	209	208	207	206	203	202
110	403	402	394	388	380	374	371	364	359	354	350	345	340	335	331	327	322	318	316
115	554	555	547	544	534	528	522	519	509	502	499	497	492	486	481	477	472	468	466
120	694	694	686	681	680	669	665	658	654	650	642	637	632	628	626	623	620	618	615
125	821	819	815	811	805	803	794	791	783	778	774	773	768	761	756	752	749	745	742
130	937	933	934	926	922	918	916	907	903	902	894	889	885	882	880	877	875	873	870
135	1042	1037	1041	1031	1029	1023	1020	1020	1012	1006	1003	1002	998	992	988	984	981	978	976
140	1135	1130	1131	1127	1122	1121	1115	1111	1109	1108	1101	1096	1093	1090	1089	1087	1085	1084	1082
145	1217	1212	1211	1214	1206	1202	1201	1197	1192	1189	1188	1188	1182	1178	1174	1171	1169	1166	1164
150	1288	1283	1281	1283	1281	1275	1271	1271	1270	1264	1260	1257	1255	1254	1252	1251	1250	1248	1246
155	1348	1343	1341	1341	1342	1340	1335	1331	1329	1328	1328	1325	1321	1318	1315	1313	1311	1309	1307
160	1397	1393	1390	1389	1389	1390	1390	1385	1381	1379	1376	1375	1374	1373	1372	1371	1371	1370	1369
165	1435	1431	1429	1427	1426	1425	1425	1425	1426	1424	1421	1418	1416	1414	1412	1411	1410	1409	1408
170	1461	1459	1457	1455	1453	1452	1451	1451	1450	1450	1450	1449	1449	1449	1449	1449	1448	1448	1447
175	1476	1475	1473	1472	1471	1470	1469	1469	1468	1467	1466	1466	1465	1465	1464	1464	1463	1463	1463
180	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-07-01

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.150m [K=1.2270]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569
5	1559	1559	1558	1558	1557	1557	1556	1556	1555	1555	1555	1555	1555	1555	1555	1556	1557	1557	1556
10	1550	1548	1546	1545	1543	1541	1539	1538	1536	1534	1533	1532	1531	1531	1531	1531	1532	1534	1532
15	1519	1517	1515	1513	1511	1510	1509	1508	1508	1508	1505	1502	1500	1498	1498	1498	1499	1501	1498
20	1488	1484	1481	1477	1473	1469	1466	1463	1460	1459	1459	1460	1457	1453	1450	1450	1451	1454	1450
25	1422	1418	1415	1412	1410	1409	1409	1409	1401	1394	1391	1389	1390	1388	1384	1383	1385	1391	1385
30	1355	1349	1342	1335	1327	1319	1313	1307	1306	1310	1303	1296	1293	1295	1293	1291	1293	1302	1294
35	1217	1210	1205	1200	1195	1197	1201	1181	1161	1152	1159	1171	1155	1152	1164	1159	1163	1178	1165
40	1076	1063	1051	1031	1005	988	981	972	958	927	920	924	930	916	922	929	936	964	947
45	834	843	848	832	804	773	750	742	719	687	642	641	651	663	675	699	702	718	704
50	593	621	640	634	617	600	578	556	527	507	482	470	496	517	534	547	549	562	553
55	471	481	482	468	454	442	429	424	411	401	396	387	398	402	404	390	386	395	394
60	350	345	333	317	305	306	317	325	318	307	293	283	288	291	286	274	259	253	270
65	274	271	255	233	214	214	228	246	243	226	209	209	216	220	221	209	190	183	196
70	200	202	193	181	177	180	184	187	177	165	158	159	159	162	161	161	160	161	162
75	146	146	143	138	138	139	137	131	123	122	120	120	116	112	112	117	125	126	127
80	93.0	91.6	96.5	98.1	95.6	94.2	90.1	83.8	77.5	76.0	76.8	73.4	68.5	66.7	64.4	63.0	69.3	78.1	83.5
85	0.35	1.38	3.29	5.94	9.00	12.6	16.0	18.9	20.7	21.2	20.6	17.9	17.5	18.9	12.4	9.09	5.97	12.6	27.2
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.22	0.00
95	0.33	1.28	2.74	4.68	6.83	9.05	11.1	12.9	14.1	14.6	14.5	13.6	14.4	13.2	10.1	8.79	6.40	4.94	8.21
100	88.1	86.5	85.7	86.1	85.6	85.3	84.1	83.0	80.6	76.4	70.3	62.3	62.8	59.9	55.9	50.8	44.0	41.6	42.7
105	201	198	196	193	189	185	179	172	168	169	168	164	161	155	150	142	138	136	136
110	315	313	311	310	308	307	306	305	301	298	296	292	288	282	278	271	267	268	268
115	464	462	460	459	457	454	451	448	444	439	438	434	431	424	420	422	415	419	416
120	612	609	606	603	599	594	591	590	590	585	582	583	574	571	566	565	562	567	563
125	740	738	736	734	732	731	730	726	723	722	723	716	714	711	715	708	707	713	708
130	867	864	861	858	855	852	851	850	852	846	842	842	838	840	839	838	837	844	840
135	974	972	970	968	968	968	967	962	958	957	958	954	955	957	952	955	954	962	958
140	1080	1077	1074	1071	1068	1065	1063	1061	1063	1059	1058	1058	1062	1057	1057	1058	1059	1066	1063
145	1162	1160	1158	1157	1156	1156	1156	1153	1150	1149	1151	1153	1149	1149	1152	1150	1152	1159	1155
150	1244	1242	1240	1237	1235	1232	1231	1231	1232	1234	1232	1229	1230	1232	1231	1230	1233	1239	1236
155	1306	1305	1303	1303	1302	1303	1303	1304	1301	1299	1298	1299	1301	1301	1299	1300	1303	1309	1306
160	1367	1366	1364	1362	1360	1359	1357	1356	1356	1356	1358	1360	1359	1357	1357	1358	1361	1366	1363
165	1407	1406	1405	1404	1404	1404	1404	1405	1406	1407	1405	1403	1402	1402	1403	1404	1407	1410	1409
170	1446	1445	1444	1443	1442	1440	1439	1438	1438	1437	1436	1436	1437	1437	1438	1440	1442	1444	1443
175	1462	1462	1461	1461	1461	1461	1461	1460	1461	1461	1461	1461	1462	1463	1464	1465	1466	1467	1466
180	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-07-01

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.150m [K=1.2270]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569
5	1555	1555	1554	1553	1553	1553	1553	1553	1553	1553	1553	1554	1554	1555	1555	1555	1556	1557	1557
10	1530	1529	1529	1529	1529	1529	1530	1531	1532	1533	1535	1536	1538	1539	1540	1542	1543	1544	1545
15	1497	1496	1496	1497	1498	1500	1502	1502	1501	1501	1501	1501	1502	1504	1505	1506	1508	1509	1511
20	1448	1448	1450	1453	1456	1453	1452	1453	1454	1456	1458	1461	1463	1466	1469	1471	1473	1475	1476
25	1382	1383	1387	1388	1385	1386	1389	1394	1400	1398	1397	1396	1397	1398	1400	1402	1404	1407	1410
30	1291	1294	1295	1292	1294	1300	1306	1302	1303	1306	1309	1314	1319	1324	1328	1332	1335	1338	1341
35	1163	1168	1157	1161	1176	1166	1161	1170	1186	1200	1194	1189	1187	1186	1189	1194	1198	1204	1209
40	948	942	939	953	949	952	962	988	998	1000	1003	1016	1028	1031	1041	1053	1062	1068	1070
45	704	684	680	678	681	694	738	767	784	789	802	828	845	839	826	812	803	806	819
50	552	533	515	498	480	513	553	581	602	621	634	649	659	645	612	573	545	542	559
55	403	415	418	412	408	424	429	441	451	464	477	483	492	488	473	453	438	436	448
60	290	305	313	307	310	323	330	339	332	324	319	323	331	335	337	333	331	335	351
65	218	234	233	224	223	229	247	258	245	215	205	220	242	256	264	258	249	250	266
70	167	172	173	168	166	170	181	191	187	177	172	174	186	196	197	185	168	165	183
75	127	123	124	126	122	125	127	129	132	134	137	135	141	144	144	138	130	130	140
80	85.3	84.8	85.5	86.9	87.0	86.7	86.3	88.9	94.3	96.3	97.8	98.4	101	94.4	90.7	90.8	92.2	96.5	98.7
85	35.5	38.9	39.3	40.9	42.3	36.8	32.6	27.9	23.1	18.2	13.4	9.41	6.13	3.20	1.37	0.34	0.00	0.37	1.50
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	10.9	12.4	15.1	16.1	14.6	14.3	14.2	13.8	12.8	11.2	9.34	7.16	4.95	2.96	1.38	0.36	0.00	0.37	1.50
100	48.9	53.8	59.5	64.0	65.9	74.3	80.7	86.1	88.3	89.8	90.9	91.7	92.4	93.0	93.7	95.6	96.1	98.7	102
105	140	148	156	164	169	175	179	184	190	198	204	210	216	220	222	225	227	231	234
110	271	277	285	296	302	307	312	323	328	332	336	340	345	349	352	355	359	363	366
115	423	424	431	440	446	454	458	467	473	479	485	489	494	498	501	504	508	513	516
120	567	571	577	583	594	598	605	612	616	622	628	634	639	645	649	654	658	662	665
125	711	721	719	726	732	742	746	750	756	764	769	773	777	781	784	788	792	795	799
130	845	849	854	856	864	866	875	885	885	888	893	899	905	911	916	921	925	928	930
135	964	964	972	974	977	985	987	991	999	1007	1011	1013	1015	1018	1022	1025	1029	1031	1034
140	1066	1069	1073	1081	1081	1084	1089	1095	1096	1101	1105	1110	1115	1120	1125	1129	1132	1134	1136
145	1157	1163	1164	1168	1175	1176	1178	1180	1186	1192	1194	1196	1199	1201	1204	1207	1210	1212	1214
150	1237	1242	1246	1246	1249	1255	1260	1260	1261	1264	1267	1271	1274	1278	1282	1285	1288	1290	1291
155	1306	1308	1313	1316	1316	1318	1321	1326	1331	1332	1333	1333	1335	1337	1339	1341	1343	1345	1346
160	1363	1364	1367	1371	1375	1374	1374	1376	1378	1381	1383	1386	1389	1392	1394	1396	1398	1399	1400
165	1408	1408	1409	1411	1414	1417	1421	1421	1421	1422	1423	1424	1425	1426	1428	1429	1430	1432	1433
170	1442	1442	1442	1443	1444	1445	1446	1448	1450	1452	1454	1456	1457	1459	1460	1462	1463	1463	1464
175	1466	1466	1465	1465	1465	1465	1466	1466	1466	1467	1467	1468	1468	1469	1469	1470	1470	1471	1471
180	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-07-01

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.150m [K=1.2270]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: FS2012	TYPE:	SERIAL No.:
SPEC.:	DIM.:	PROTECTION ANGLE:
MFR.: EVERFINE		

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569	1569				
5	1558	1558	1559	1559	1560	1560	1561	1562	1562	1563	1564	1565	1566	1567	1568				
10	1545	1546	1546	1546	1546	1546	1547	1547	1547	1548	1548	1549	1551	1552	1554				
15	1512	1514	1515	1516	1518	1521	1523	1525	1524	1524	1524	1524	1525	1527	1529				
20	1477	1478	1478	1478	1479	1479	1481	1484	1487	1492	1491	1490	1490	1492	1494				
25	1412	1416	1419	1423	1429	1433	1432	1432	1434	1438	1444	1447	1445	1445	1447				
30	1343	1344	1345	1347	1350	1354	1360	1368	1369	1370	1374	1381	1384	1382	1384				
35	1215	1222	1234	1248	1265	1264	1264	1267	1275	1284	1284	1289	1301	1298	1300				
40	1072	1075	1080	1086	1095	1109	1137	1142	1139	1145	1164	1164	1174	1185	1185				
45	840	868	890	905	897	890	908	934	939	921	942	963	970	1013	1009				
50	592	638	676	699	699	687	673	686	675	653	651	668	688	718	726				
55	467	489	506	522	538	534	522	502	472	460	443	474	510	554	584				
60	366	373	370	369	375	384	391	382	369	367	372	388	413	432	449				
65	279	277	261	237	222	241	275	292	297	293	298	307	310	309	294				
70	195	194	184	172	171	183	204	214	214	209	211	222	227	217	190				
75	143	142	135	129	132	143	151	151	145	134	134	151	161	159	144				
80	96.1	100	101	102	103	99.9	100	98.5	96.5	98.7	100	102	109	116	125				
85	3.26	6.10	9.79	14.6	20.0	23.7	29.1	36.6	46.9	56.3	56.0	56.7	55.9	57.1	63.3				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
95	3.32	5.82	8.84	12.3	15.8	19.6	23.4	26.3	28.5	31.0	34.6	36.1	34.2	35.4	38.5				
100	104	107	110	113	116	119	122	121	120	116	119	120	121	125	130				
105	235	237	239	240	238	237	238	242	245	247	247	248	251	255	260				
110	369	373	376	378	380	383	386	389	390	394	396	395	399	402	406				
115	519	523	527	530	532	534	536	539	544	544	546	548	553	553	558				
120	667	669	672	675	678	683	688	687	687	692	691	698	694	695	699				
125	803	807	811	817	820	819	818	820	824	822	827	824	826	824	823				
130	932	933	934	934	935	938	943	940	940	945	941	941	940	943	938				
135	1037	1039	1042	1045	1047	1045	1045	1047	1051	1047	1046	1048	1045	1050	1042				
140	1136	1137	1137	1137	1138	1140	1144	1142	1140	1140	1143	1139	1140	1140	1134				
145	1216	1218	1221	1224	1227	1225	1223	1222	1224	1225	1222	1222	1226	1219	1216				
150	1292	1292	1292	1292	1292	1293	1294	1297	1295	1293	1293	1295	1293	1288	1287				
155	1348	1349	1351	1353	1355	1357	1354	1353	1352	1353	1355	1355	1350	1347	1346				
160	1401	1401	1400	1400	1400	1400	1400	1401	1402	1405	1402	1399	1396	1395	1395				
165	1433	1435	1435	1436	1437	1439	1440	1441	1439	1437	1435	1433	1433	1432	1433				
170	1464	1464	1464	1463	1463	1462	1461	1460	1460	1459	1459	1459	1459	1459	1460				
175	1471	1472	1472	1472	1472	1473	1473	1473	1473	1473	1474	1474	1474	1475	1475				
180	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478	1478				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-07-01

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.280
Humidity:65.0%
Test Distance:8.150m [K=1.2270]
Remarks: