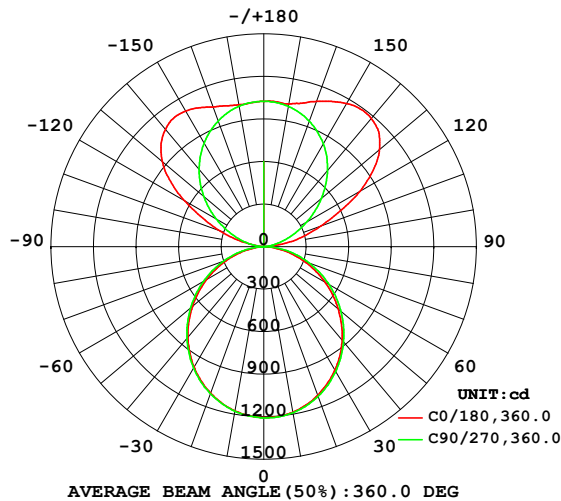


LUMINAIRE PHOTOMETRIC TEST REPORT

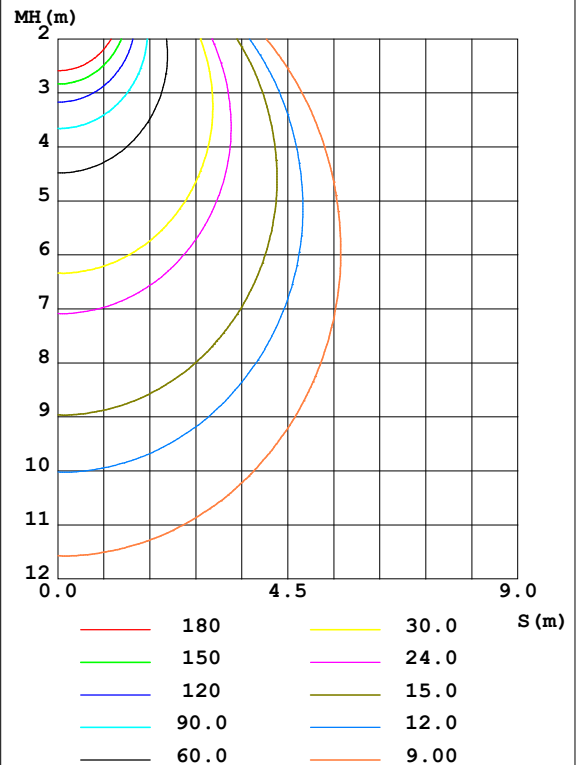
Test:U:118.9V I:0.4050A P:49.10W PF:0.9900 Freq:60.00Hz Lamp Flux:6871.23x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.94 lm/W			
MODEL		I _{max} (cd)	1210	S/MH(C0/180)	1.24
NOMINAL POWER(W)	50W	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	6871.2	η UP,DN(C0-180)	25.5,24.8
NOMINAL FLUX(lm)	6871.23	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	26.2,23.4
LAMPS INSIDE	1	η up(%)	51.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	48.3	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:
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

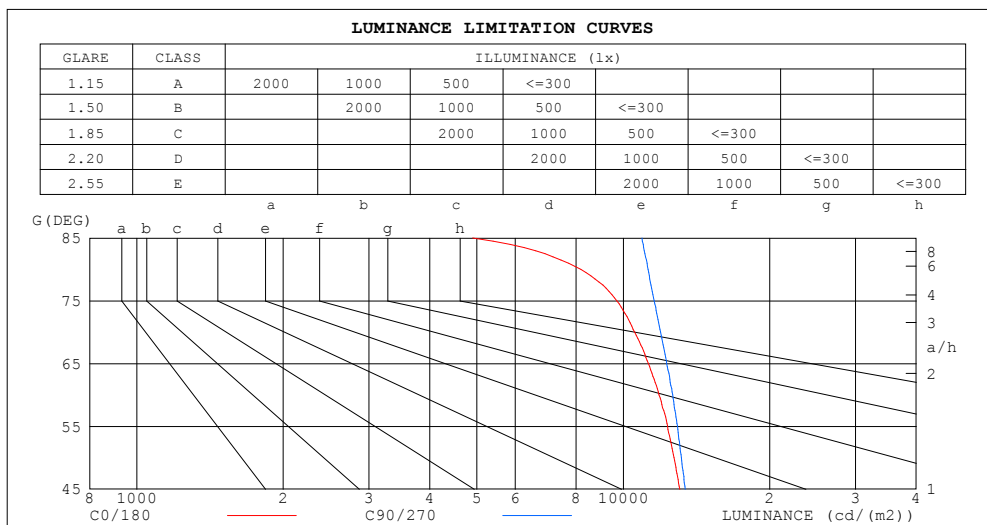
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1185	1190	1189	1189	1175	1178	1179	1179	0- 10	114.1	114.1	1.66,1.66
20	1115	1126	1124	1124	1099	1100	1103	1102	10- 20	325.2	439.4	6.39,6.39
30	1004	1020	1016	1016	982.1	982.4	989.9	987.6	20- 30	488.4	927.8	13.5,13.5
40	861.2	878.1	874.6	873.7	833.9	835.7	844.0	838.4	30- 40	582.0	1510	22,22
50	686.4	713.6	711.1	708.9	656.5	663.6	674.5	669.5	40- 50	595.9	2106	30.6,30.6
60	497.6	527.8	530.5	524.4	467.2	475.6	491.9	479.8	50- 60	530.7	2636	38.4,38.4
70	303.3	334.0	342.9	331.5	274.4	283.4	304.5	286.7	60- 70	399.0	3035	44.2,44.2
80	119.3	148.8	164.0	146.6	91.27	102.0	124.3	104.6	70- 80	227.2	3263	47.5,47.5
90	5.242	8.151	7.413	7.428	1.757	5.958	2.440	7.875	80- 90	55.10	3318	48.3,48.3
100	173.6	173.6	51.60	123.6	71.73	172.6	81.08	217.7	90-100	54.56	3372	49.1,49.1
110	430.1	429.2	185.1	373.3	332.7	413.6	220.6	480.4	100-110	258.8	3631	52.8,52.8
120	784.4	680.3	352.3	623.6	641.9	646.7	384.1	722.7	110-120	477.5	4109	59.8,59.8
130	1066	871.7	531.3	827.7	933.7	828.4	552.8	897.8	120-130	639.6	4748	69.1,69.1
140	1180	968.0	700.2	940.5	1080	923.4	710.4	976.4	130-140	678.9	5427	79,79
150	1166	1002	841.0	978.1	1104	958.6	843.0	1001	140-150	603.5	6031	87.8,87.8
160	1090	1003	941.6	994.2	1048	983.3	942.5	997.9	150-160	459.3	6490	94.5,94.5
170	1023	1008	1004	1006	1017	1007	1006	1012	160-170	284.2	6774	98.6,98.6
180	1023	1023	1023	1023	1023	1023	1023	1023	170-180	97.10	6871	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:118.9V I:0.4050A P:49.10W PF:0.9900 Freq:60.00Hz Lamp Flux:6871.23x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4904	10930
80	8179	11242
75	9698	11567
70	10557	11936
65	11266	12283
60	11847	12632
55	12330	12922
50	12713	13171
45	13067	13403

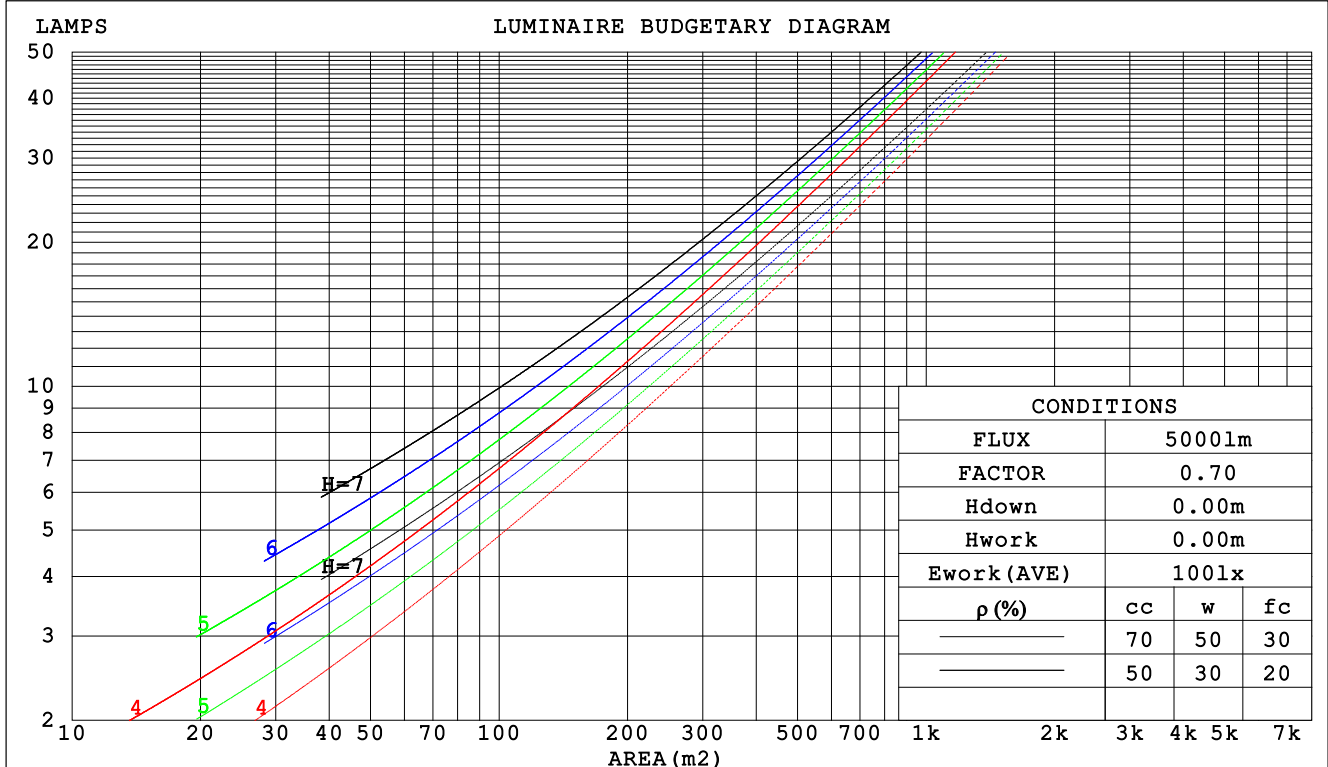
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:118.9V I:0.4050A P:49.10W PF:0.9900 Freq:60.00Hz Lamp Flux:6871.23x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

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	1.07	1.07	1.07	.98	.98	.98	.82	.82	.82	.68	.68	.68	.55	.55	.55	.48
1.0	.93	.89	.86	.86	.82	.79	.72	.70	.68	.60	.58	.56	.48	.47	.46	.41
2.0	.81	.75	.70	.75	.69	.65	.63	.59	.56	.52	.49	.47	.42	.40	.39	.34
3.0	.71	.64	.58	.66	.59	.54	.56	.51	.47	.46	.43	.40	.37	.35	.33	.28
4.0	.63	.55	.49	.58	.51	.46	.49	.44	.40	.41	.37	.34	.33	.30	.28	.24
5.0	.56	.48	.42	.52	.45	.39	.44	.38	.34	.37	.33	.29	.30	.27	.24	.21
6.0	.50	.42	.36	.47	.39	.34	.40	.34	.30	.33	.29	.26	.27	.24	.21	.18
7.0	.45	.37	.32	.42	.35	.30	.36	.30	.26	.30	.26	.23	.25	.21	.19	.16
8.0	.41	.33	.28	.38	.31	.26	.33	.27	.23	.27	.23	.20	.23	.19	.17	.15
9.0	.37	.30	.25	.35	.28	.23	.30	.24	.21	.25	.21	.18	.21	.18	.15	.13
10.0	.34	.27	.22	.32	.25	.21	.28	.22	.19	.23	.19	.16	.19	.16	.14	.12



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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:118.9V I:0.4050A P:49.10W PF:0.9900 Freq:60.00Hz Lamp Flux:6871.23x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

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	.280	.159	.051	.258	.147	.047	.215	.124	.039	.177	.102	.033	.141	.082	.026		
2.0	.262	.143	.044	.241	.133	.041	.202	.113	.035	.167	.094	.029	.134	.076	.024		
3.0	.242	.129	.039	.223	.120	.036	.188	.102	.031	.155	.085	.026	.125	.069	.021		
4.0	.224	.116	.034	.207	.108	.032	.174	.092	.028	.144	.077	.023	.116	.063	.019		
5.0	.208	.106	.031	.192	.098	.029	.162	.084	.025	.134	.071	.021	.108	.058	.017		
6.0	.193	.097	.028	.178	.090	.026	.151	.077	.022	.125	.065	.019	.101	.053	.016		
7.0	.180	.089	.025	.167	.083	.024	.141	.071	.021	.117	.060	.017	.094	.049	.014		
8.0	.169	.082	.023	.156	.077	.022	.132	.066	.019	.110	.056	.016	.089	.046	.013		
9.0	.158	.077	.021	.147	.071	.020	.124	.061	.017	.103	.052	.015	.084	.042	.012		
10.0	.149	.071	.020	.138	.067	.019	.117	.057	.016	.098	.048	.014	.079	.040	.011		

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	.585	.585	.585	.500	.500	.500	.341	.341	.341	.196	.196	.196	.063	.063	.063	
1.0	.576	.554	.534	.492	.475	.460	.337	.327	.318	.194	.189	.185	.062	.061	.060	
2.0	.568	.532	.502	.487	.458	.434	.333	.317	.302	.192	.184	.177	.062	.060	.058	
3.0	.561	.516	.480	.481	.445	.416	.330	.309	.292	.191	.181	.172	.061	.059	.056	
4.0	.554	.504	.466	.476	.436	.405	.327	.304	.285	.189	.178	.169	.061	.058	.055	
5.0	.548	.495	.456	.471	.428	.397	.324	.299	.280	.188	.176	.166	.061	.057	.055	
6.0	.542	.488	.449	.466	.422	.391	.321	.296	.276	.186	.174	.164	.060	.057	.054	
7.0	.536	.481	.443	.461	.417	.386	.318	.293	.274	.185	.172	.163	.060	.056	.054	
8.0	.530	.476	.439	.456	.413	.383	.316	.290	.272	.184	.171	.162	.059	.056	.054	
9.0	.525	.472	.436	.452	.410	.380	.313	.288	.270	.182	.170	.161	.059	.056	.053	
10.0	.520	.468	.434	.448	.406	.378	.311	.286	.269	.181	.169	.160	.059	.056	.053	

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:118.9V I:0.4050A P:49.10W PF:0.9900 Freq:60.00Hz Lamp Flux:6871.23x1 lm										
NAME: 4FT					TYPE:4000K 5.5			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:1.2*0.07			Shielding Angle:		
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	18.3	19.3	19.2	20.1	21.2	18.5	19.4	19.4	20.3	21.4
3H	19.7	20.5	20.6	21.4	22.5	20.0	20.8	20.9	21.7	22.9
4H	20.2	20.9	21.1	21.9	23.0	20.6	21.4	21.5	22.3	23.5
6H	20.5	21.2	21.4	22.1	23.3	21.1	21.8	22.0	22.7	23.9
8H	20.5	21.2	21.5	22.2	23.4	21.3	22.0	22.2	22.9	24.1
12H	20.5	21.2	21.5	22.1	23.4	21.4	22.0	22.3	23.0	24.2
4H 2H	18.8	19.6	19.7	20.5	21.7	18.9	19.7	19.9	20.6	21.8
3H	20.3	21.0	21.3	21.9	23.1	20.6	21.3	21.5	22.2	23.4
4H	20.9	21.5	21.9	22.5	23.7	21.3	21.9	22.3	22.9	24.1
6H	21.4	21.9	22.3	22.9	24.1	21.9	22.5	22.9	23.4	24.7
8H	21.5	21.9	22.5	22.9	24.2	22.2	22.6	23.2	23.6	24.9
12H	21.5	21.9	22.5	22.9	24.2	22.3	22.7	23.3	23.7	25.1
8H 4H	21.1	21.6	22.1	22.6	23.9	21.5	22.0	22.5	22.9	24.2
6H	21.7	22.1	22.7	23.1	24.4	22.2	22.6	23.3	23.6	25.0
8H	21.9	22.2	22.9	23.2	24.6	22.5	22.9	23.6	23.9	25.2
12H	21.9	22.2	23.0	23.2	24.6	22.8	23.1	23.8	24.1	25.5
12H 4H	21.1	21.5	22.1	22.5	23.8	21.4	21.9	22.4	22.9	24.2
6H	21.7	22.1	22.8	23.1	24.4	22.2	22.6	23.3	23.6	24.9
8H	21.9	22.2	23.0	23.3	24.6	22.6	22.9	23.6	23.9	25.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 6871 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.7)

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:118.9V I:0.4050A P:49.10W PF:0.9900 Freq:60.00Hz Lamp Flux:6871.23x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

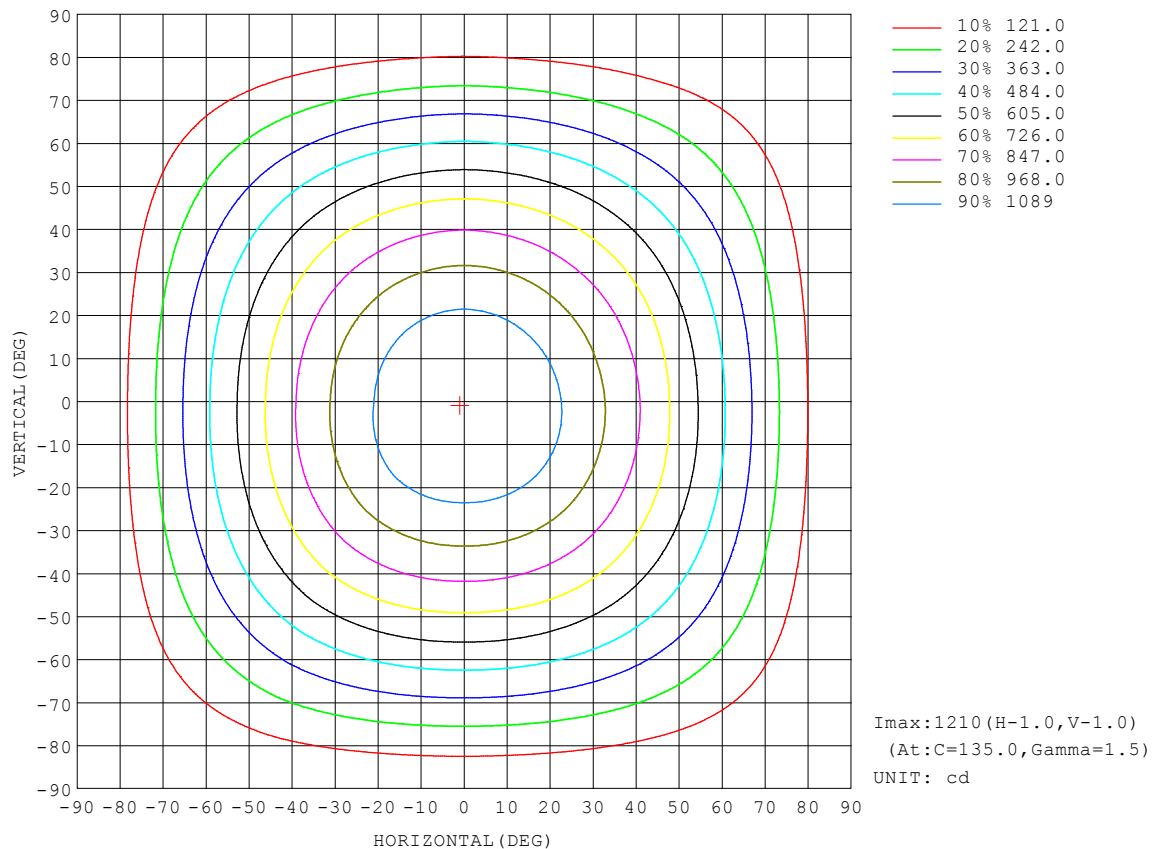
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	44	33	26	41	31	25	37	28	24	16
0.80	53	42	35	50	39	33	44	35	30	20
1.00	61	49	42	57	47	40	49	43	36	24
1.25	68	57	49	63	53	47	54	47	42	28
1.50	73	62	55	68	59	52	58	51	46	30
2.00	80	71	64	74	66	60	63	57	53	34
2.50	84	76	69	78	71	65	66	61	57	36
3.00	88	80	74	81	75	69	69	64	60	38
4.00	92	86	81	85	80	75	72	68	65	40
5.00	95	90	85	88	83	79	74	71	68	42
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:118.9V I:0.4050A P:49.10W PF:0.9900 Freq:60.00Hz Lamp Flux:6871.23x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

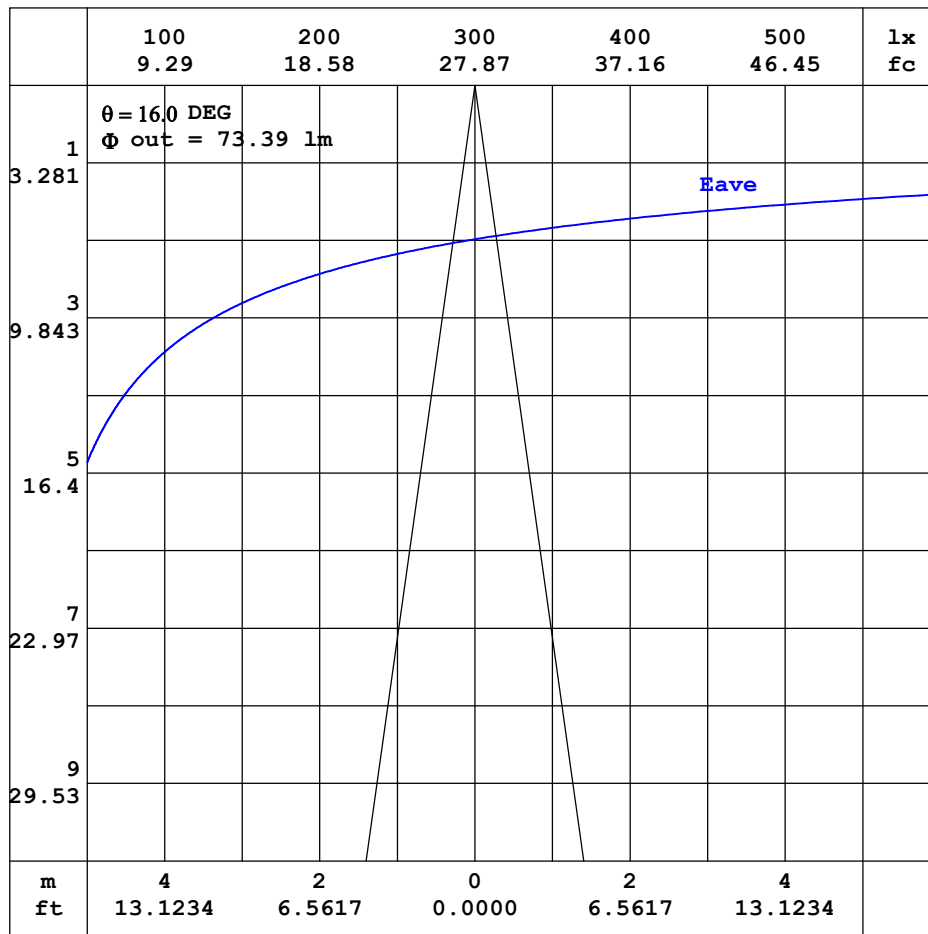


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

AAI CURVES

Test:U:118.9V I:0.4050A P:49.10W PF:0.9900 Freq:60.00Hz Lamp Flux:6871.23x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:



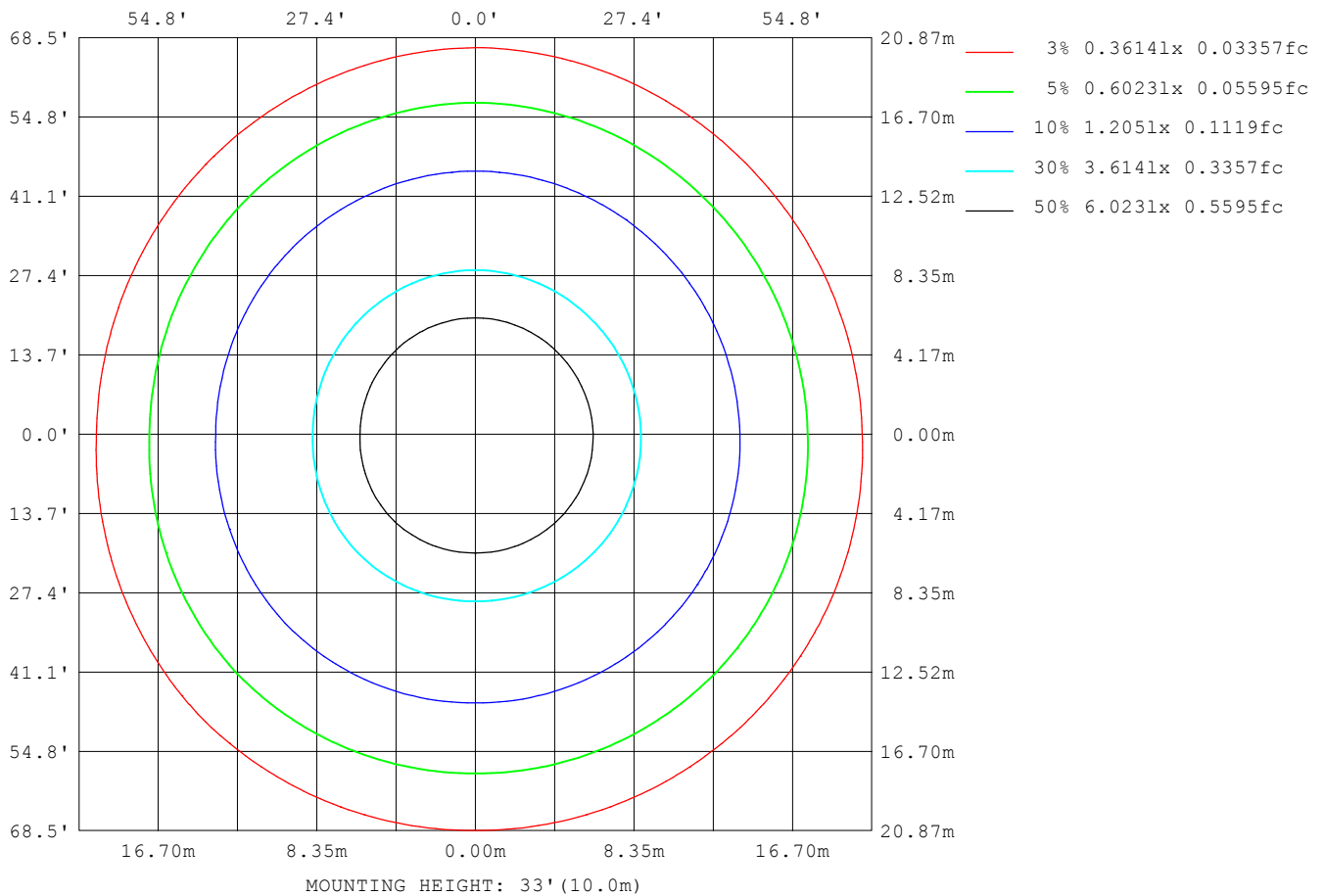
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.353
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:118.9V I:0.4050A P:49.10W PF:0.9900 Freq:60.00Hz Lamp Flux:6871.23x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:



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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:118.9V I:0.4050A P:49.10W PF:0.9900 Freq:60.00Hz Lamp Flux:6871.23x1 lm		
NAME: 4FT	TYPE:4000K 5.5	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.07	Shielding Angle:

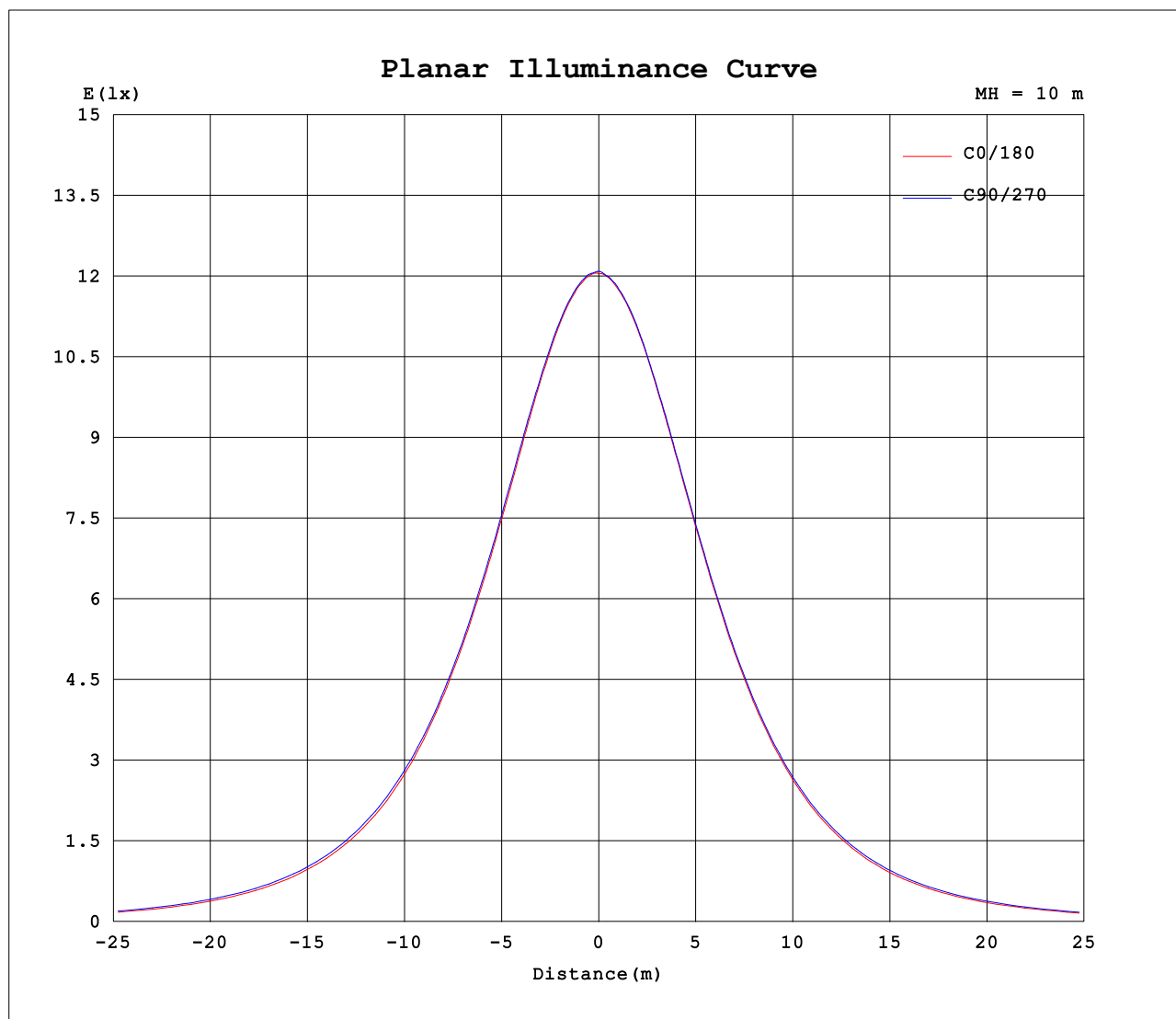
AvgL	cd/m2
L_0~180 (65) av	10843
L_0~180 (75) av	9026
L_0~180 (85) av	3523
L_90~270 (65) av	11752
L_90~270 (75) av	10696
L_90~270 (85) av	8361
L_45 (65) av	11418
L_45 (75) av	9925
L_45 (85) av	5736

Standard: GB/T 29293-2012

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



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

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.9V I:0.4050A P:49.10W PF:0.9900 Freq:60.00Hz Lamp Flux:6871.23x1 lm																	
NAME: 4FT									TYPE:4000K 5.5						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:1.2*0.07						Shielding Angle:		

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	1204	1205	1206	1207	1207	1208	1209	1209	1209	1210	1210	1210	1210	1210	1210	1210	1209	1209	1209
5	1201	1202	1203	1203	1204	1205	1205	1206	1206	1206	1206	1206	1206	1206	1206	1205	1205	1205	1205
10	1185	1186	1187	1188	1188	1189	1189	1190	1190	1190	1190	1190	1190	1190	1190	1190	1190	1189	1189
15	1155	1157	1159	1160	1161	1163	1164	1164	1165	1166	1166	1165	1165	1165	1164	1164	1163	1162	1162
20	1115	1117	1119	1120	1122	1123	1124	1125	1126	1126	1126	1126	1126	1126	1126	1125	1125	1124	1124
25	1063	1065	1068	1070	1072	1073	1075	1076	1077	1078	1078	1078	1078	1078	1077	1077	1076	1076	1075
30	1004	1007	1009	1012	1014	1015	1017	1018	1019	1020	1020	1020	1020	1019	1019	1018	1018	1017	1016
35	937	940	943	945	947	948	950	951	952	953	953	953	952	952	951	951	950	949	948
40	861	864	867	869	871	873	875	876	877	878	878	878	878	878	877	877	876	875	875
45	776	780	783	786	789	791	793	795	797	798	799	799	799	799	798	798	797	797	796
50	686	691	695	699	702	705	708	710	712	714	714	715	715	714	714	713	713	712	711
55	594	599	603	607	610	613	616	618	620	622	623	624	624	624	624	624	624	623	623
60	498	502	507	511	514	518	521	523	526	528	529	530	531	531	532	532	531	531	531
65	400	405	409	413	417	420	423	426	428	431	432	434	435	435	436	436	436	436	436
70	303	308	312	316	320	323	326	329	332	334	336	338	339	341	342	342	343	343	343
75	211	215	219	223	226	230	233	236	238	241	243	245	247	248	249	250	251	251	251
80	119	123	127	131	134	137	141	143	146	149	151	154	156	158	160	162	163	164	164
85	35.9	39.2	42.4	45.5	48.5	51.5	54.3	57.0	59.6	62.1	65.0	67.8	70.5	72.8	75.0	76.8	78.3	79.4	80.0
90	5.24	5.74	6.20	6.62	6.98	7.31	7.59	7.82	8.01	8.15	8.17	8.15	8.09	8.01	7.91	7.79	7.67	7.54	7.41
95	51.7	53.8	55.3	56.4	56.9	57.0	56.5	55.6	54.1	52.1	48.2	43.9	39.3	34.6	29.7	24.9	20.3	15.9	12.0
100	174	180	184	187	189	189	187	184	180	174	160	146	131	116	101	86.3	73.1	61.4	51.6
105	299	307	313	316	318	317	315	310	303	293	273	251	228	205	182	161	142	125	111
110	430	442	451	457	460	460	457	450	441	429	402	372	342	311	280	252	226	203	185
115	593	602	608	611	611	607	600	590	577	560	526	490	452	415	378	344	313	287	266
120	784	784	781	775	766	754	740	723	703	680	640	598	555	513	473	436	402	374	352
125	944	935	925	912	897	879	859	837	813	786	742	697	651	607	565	526	492	464	442
130	1066	1051	1035	1017	998	976	953	927	900	872	827	781	736	692	651	613	579	552	531
135	1146	1127	1107	1086	1063	1040	1015	988	961	932	889	846	804	763	725	690	660	635	617
140	1180	1159	1138	1115	1093	1069	1045	1020	994	968	931	893	857	822	790	761	736	715	700
145	1187	1166	1145	1123	1102	1080	1058	1036	1013	991	960	929	900	872	846	823	803	787	776
150	1166	1147	1129	1111	1092	1074	1056	1038	1020	1002	978	955	933	912	893	876	861	850	841
155	1130	1116	1103	1089	1075	1061	1048	1035	1021	1008	992	975	960	945	932	920	909	901	895
160	1090	1079	1069	1058	1048	1039	1029	1020	1012	1003	993	984	975	967	960	954	948	944	942
165	1048	1042	1037	1032	1026	1021	1017	1012	1008	1004	1000	996	992	989	986	983	981	979	978
170	1023	1021	1019	1017	1015	1013	1012	1010	1009	1008	1007	1006	1006	1005	1005	1005	1004	1004	1004
175	1025	1025	1025	1025	1024	1024	1024	1024	1024	1023	1023	1023	1023	1022	1022	1022	1021	1021	1020
180	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.9V I:0.4050A P:49.10W PF:0.9900 Freq:60.00Hz Lamp Flux:6871.23x1 lm																		
NAME: 4FT									TYPE:4000K 5.5					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:1.2*0.07					Shielding Angle:				

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	1209	1209	1209	1209	1209	1208	1208	1208	1208	1207	1207	1206	1206	1205	1205	1205	1204	1204	1205
5	1205	1205	1205	1205	1205	1205	1205	1205	1205	1204	1203	1202	1201	1200	1199	1198	1197	1196	1196
10	1189	1190	1190	1190	1190	1190	1190	1190	1189	1188	1186	1185	1183	1181	1180	1178	1177	1175	1175
15	1162	1162	1163	1163	1163	1163	1163	1163	1162	1160	1158	1156	1154	1151	1149	1147	1145	1143	1142
20	1124	1125	1125	1125	1125	1125	1125	1124	1124	1121	1119	1116	1113	1110	1107	1104	1101	1099	1098
25	1076	1076	1076	1076	1076	1076	1076	1075	1074	1071	1068	1065	1061	1058	1055	1051	1048	1046	1045
30	1017	1017	1018	1018	1018	1018	1018	1017	1016	1013	1009	1005	1001	997	993	989	985	982	981
35	949	949	950	950	950	950	950	949	948	944	940	936	932	928	923	919	915	912	910
40	875	876	876	876	876	876	876	875	874	870	865	861	856	851	847	842	838	834	833
45	797	797	798	798	798	797	797	796	794	789	784	779	773	767	762	757	752	747	746
50	712	712	713	713	713	713	712	711	709	704	698	692	685	679	673	667	661	657	655
55	623	624	624	624	624	623	622	621	618	613	606	600	593	587	580	574	568	563	562
60	531	531	532	531	531	530	529	527	524	518	512	505	498	491	485	478	472	467	466
65	436	437	437	436	435	434	432	430	428	421	415	408	401	394	387	381	375	370	369
70	343	343	343	342	341	339	337	335	331	325	319	312	305	298	292	285	280	274	273
75	252	251	251	250	248	246	244	241	238	232	226	219	212	205	199	192	187	182	180
80	164	163	162	161	159	156	154	150	147	140	134	127	121	114	108	102	96.1	91.3	90.2
85	79.4	78.3	76.8	74.8	72.5	69.8	66.8	63.4	59.7	54.6	49.3	44.0	38.6	33.4	28.4	23.7	19.4	15.7	14.6
90	7.50	7.58	7.65	7.71	7.74	7.74	7.69	7.59	7.43	6.79	6.11	5.40	4.69	3.98	3.32	2.71	2.18	1.76	2.06
95	10.7	9.85	9.37	9.20	9.28	9.55	9.96	10.4	10.9	9.61	8.33	7.14	6.14	5.38	4.93	4.89	5.30	6.26	10.9
100	55.8	62.0	69.8	78.6	88.0	97.7	107	116	124	119	113	106	99.4	92.4	85.7	79.8	75.0	71.7	81.7
105	119	131	144	160	177	195	212	229	244	243	240	235	230	224	219	213	209	205	215
110	197	213	232	255	279	303	328	352	373	374	372	368	363	357	350	344	338	333	343
115	281	301	325	353	383	415	446	476	503	507	507	505	502	497	491	484	478	473	482
120	368	391	418	450	484	519	555	590	624	634	641	646	649	650	649	647	645	642	648
125	458	482	511	544	580	619	658	697	734	751	765	777	787	794	799	803	804	804	806
130	548	571	600	634	670	709	749	789	828	849	868	885	900	911	921	928	932	934	932
135	632	654	681	712	747	783	821	859	897	920	942	962	979	994	1006	1015	1021	1024	1019
140	713	731	754	780	810	842	874	908	941	965	987	1008	1027	1043	1057	1068	1075	1080	1073
145	785	799	816	837	860	885	912	939	966	989	1011	1031	1050	1067	1082	1094	1102	1108	1099
150	847	857	869	884	900	918	938	958	978	997	1016	1034	1051	1066	1080	1091	1099	1104	1096
155	899	905	913	922	933	946	959	972	986	1000	1014	1028	1040	1052	1062	1070	1077	1081	1075
160	944	947	952	958	964	971	978	986	994	1002	1010	1018	1025	1032	1038	1042	1046	1048	1044
165	979	980	982	984	987	990	993	996	999	1004	1008	1012	1016	1020	1023	1026	1028	1029	1027
170	1004	1004	1004	1004	1004	1004	1005	1005	1006	1007	1008	1010	1011	1013	1014	1015	1016	1017	1016
175	1020	1020	1020	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1020	1020
180	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.9V I:0.4050A P:49.10W PF:0.9900 Freq:60.00Hz Lamp Flux:6871.23x1 lm																		
NAME: 4FT									TYPE:4000K 5.5					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:1.2*0.07					Shielding Angle:				

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	1205	1206	1207	1207	1208	1209	1209	1210	1210	1210	1210	1210	1210	1210	1209	1209	1209	1209	1209
5	1197	1197	1197	1198	1198	1199	1200	1200	1200	1200	1200	1200	1200	1200	1200	1199	1199	1199	1200
10	1175	1175	1176	1176	1176	1177	1177	1178	1178	1178	1178	1178	1179	1179	1179	1179	1179	1179	1179
15	1142	1142	1142	1142	1143	1143	1144	1144	1144	1145	1145	1145	1145	1145	1146	1146	1146	1146	1146
20	1098	1098	1098	1098	1098	1099	1100	1100	1101	1101	1101	1102	1102	1102	1103	1103	1103	1103	1103
25	1044	1043	1043	1043	1044	1044	1045	1045	1046	1047	1047	1048	1049	1050	1050	1051	1052	1051	1051
30	980	980	980	980	980	981	982	982	983	984	985	986	987	988	988	989	990	990	989
35	910	909	909	909	909	910	910	911	912	913	914	915	916	917	918	919	920	920	919
40	832	832	832	832	833	833	834	836	837	838	839	840	841	842	843	843	844	843	842
45	746	746	746	747	748	749	750	752	753	754	755	756	758	759	760	760	761	760	760
50	655	655	656	657	658	660	662	664	665	666	668	669	670	672	673	674	674	674	673
55	561	561	562	563	565	567	569	571	573	574	576	578	579	581	582	583	584	583	582
60	465	466	466	467	469	471	473	476	478	480	482	484	486	488	489	491	492	491	490
65	368	368	369	371	372	375	377	379	382	384	387	389	392	394	396	397	398	397	396
70	273	273	273	275	276	278	281	283	286	289	292	294	297	299	301	303	304	303	301
75	180	180	181	182	184	186	188	191	194	197	200	203	205	208	210	212	214	212	210
80	89.9	90.2	91.1	92.5	94.4	96.7	99.2	102	105	108	111	114	116	119	121	123	124	123	121
85	14.1	14.1	14.6	15.5	16.7	18.3	20.2	22.3	24.8	27.4	30.0	32.6	35.1	37.4	39.4	41.1	42.4	41.0	39.2
90	2.46	2.93	3.45	4.00	4.55	5.07	5.55	5.96	5.64	5.26	4.82	4.36	3.89	3.44	3.04	2.69	2.44	2.91	3.47
95	16.0	21.4	27.0	32.5	37.8	42.8	47.3	51.1	49.1	46.5	43.6	40.4	37.3	34.4	32.0	30.2	29.3	36.1	43.7
100	93.1	105	118	131	143	155	165	173	164	154	143	131	119	107	96.5	87.7	81.1	92.5	106
105	226	237	248	259	270	278	285	290	275	258	240	221	203	186	170	157	148	164	183
110	354	366	377	388	398	405	411	414	392	369	344	318	294	271	250	233	221	241	266
115	492	501	511	519	526	531	533	532	506	476	446	415	386	358	334	314	299	322	351
120	653	658	661	662	662	660	655	647	615	581	546	511	478	448	421	399	384	408	438
125	806	804	800	795	787	776	764	748	713	676	638	601	567	535	507	485	470	493	524
130	927	920	911	899	884	868	849	828	792	754	716	680	646	615	588	567	553	575	604
135	1011	1000	986	970	952	931	909	885	851	815	781	747	716	689	665	647	634	654	679
140	1062	1049	1033	1014	994	972	948	923	893	862	832	804	778	755	735	720	710	726	747
145	1087	1073	1055	1036	1015	992	969	945	920	895	872	849	829	812	798	787	780	793	809
150	1085	1071	1055	1038	1019	999	979	959	940	922	905	889	875	863	854	847	843	852	864
155	1066	1056	1044	1031	1017	1002	987	973	960	948	936	926	917	909	903	899	897	903	910
160	1039	1033	1026	1018	1009	1001	992	983	976	970	963	958	953	949	946	944	942	945	949
165	1024	1021	1017	1013	1009	1005	1000	996	993	990	987	985	983	981	980	979	979	980	981
170	1015	1014	1013	1012	1011	1010	1008	1007	1007	1006	1006	1006	1006	1005	1006	1006	1006	1006	1007
175	1020	1020	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1021	1020	1020	1020	1020	1021
180	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:118.9V I:0.4050A P:49.10W PF:0.9900 Freq:60.00Hz Lamp Flux:6871.23x1 lm																	
NAME: 4FT									TYPE:4000K 5.5						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:1.2*0.07						Shielding Angle:		

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1209	1209	1209	1208	1208	1208	1208	1208	1207	1207	1207	1206	1206	1205	1205				
5	1200	1200	1200	1200	1200	1200	1200	1200	1201	1201	1201	1201	1201	1201	1201				
10	1179	1179	1179	1179	1179	1179	1179	1180	1180	1181	1181	1182	1183	1183	1184				
15	1146	1146	1146	1146	1146	1147	1147	1148	1148	1149	1150	1151	1152	1153	1154				
20	1103	1102	1102	1102	1102	1102	1102	1103	1104	1105	1106	1108	1109	1111	1113				
25	1051	1051	1051	1050	1050	1050	1050	1051	1052	1053	1054	1056	1057	1059	1061				
30	989	988	988	988	987	987	988	988	990	991	993	994	997	999	1001				
35	919	918	918	917	917	917	917	918	920	921	923	926	928	931	934				
40	842	841	840	839	839	838	838	839	841	843	845	848	850	854	857				
45	759	759	758	757	757	757	757	758	759	761	762	765	767	770	773				
50	673	672	671	671	670	670	669	670	671	673	674	676	678	681	683				
55	581	580	579	578	577	576	575	576	577	578	580	582	585	587	591				
60	488	487	485	483	482	481	480	480	481	482	484	486	488	491	494				
65	394	392	390	388	387	385	384	384	385	386	387	389	391	394	397				
70	299	297	295	292	290	288	287	287	287	288	290	292	294	297	300				
75	208	205	203	200	198	195	194	194	194	195	197	199	201	204	207				
80	119	116	114	111	109	106	105	105	105	106	107	108	111	113	116				
85	37.1	34.9	32.5	30.1	27.9	25.8	24.0	23.8	24.0	24.6	25.5	26.9	28.6	30.6	33.1				
90	4.10	4.76	5.44	6.12	6.77	7.36	7.87	7.98	7.99	7.89	7.70	7.41	7.02	6.52	5.93				
95	51.8	60.2	68.6	76.7	84.2	90.9	96.5	97.1	96.2	94.0	90.4	85.5	79.1	71.3	62.2				
100	121	138	155	172	189	204	218	222	223	223	220	215	208	199	187				
105	204	227	252	276	300	323	343	350	354	355	353	348	340	329	315				
110	295	326	358	391	423	453	480	490	496	498	496	491	481	468	451				
115	384	421	459	498	536	573	608	622	632	639	641	639	634	624	611				
120	474	513	554	597	640	683	723	743	760	774	784	791	795	795	791				
125	559	599	642	687	733	778	821	846	868	888	904	918	928	936	941				
130	638	677	719	763	808	854	898	925	950	973	994	1013	1029	1044	1056				
135	710	745	783	823	865	907	949	977	1003	1028	1051	1073	1093	1112	1130				
140	773	802	834	868	904	940	976	1002	1027	1051	1075	1097	1119	1140	1160				
145	829	852	878	905	934	964	994	1016	1038	1060	1082	1103	1125	1145	1166				
150	879	895	914	935	956	978	1001	1019	1037	1055	1074	1092	1110	1129	1147				
155	920	931	944	958	972	988	1003	1016	1030	1043	1057	1071	1086	1100	1115				
160	953	959	965	972	980	989	998	1006	1015	1025	1034	1045	1055	1066	1078				
165	982	984	987	989	993	996	1000	1004	1008	1013	1018	1023	1029	1035	1041				
170	1007	1008	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1019	1020	1022				
175	1021	1021	1022	1022	1023	1023	1023	1024	1024	1024	1024	1025	1025	1025	1025				
180	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023	1023				

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: