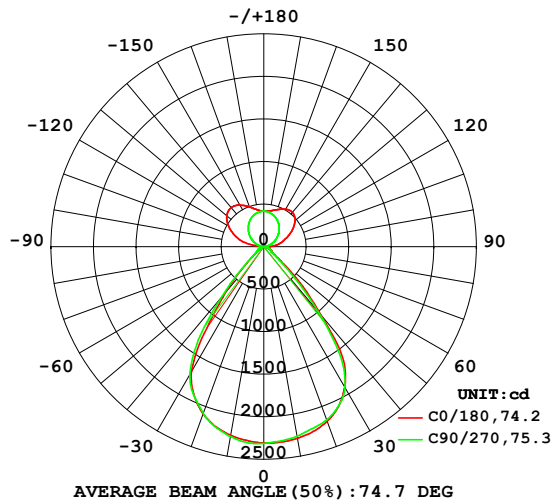


LUMINAIRE PHOTOMETRIC TEST REPORT

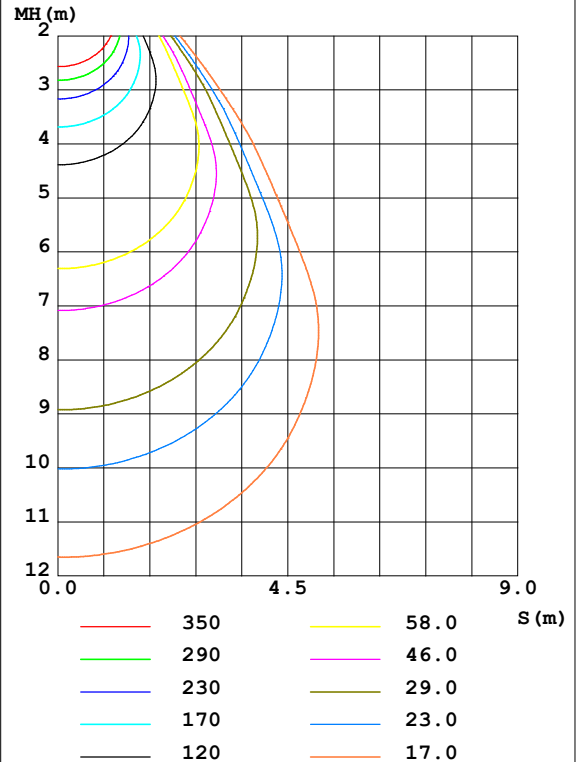
Test:U:120.8V I:0.3010A P:36.20W PF:0.9900 Freq:60.00Hz Lamp Flux:5260.31x1 lm		
NAME: 4FT	TYPE:4000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.31 lm/W			
MODEL		I _{max} (cd)	2318	S/MH(C0/180)	1.13
NOMINAL POWER(W)	36W	LOR(%)	100.0	S/MH(C90/270)	1.06
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	5260.3	η UP,DN(C0-180)	17.3,34.1
NOMINAL FLUX(lm)	5260.31	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	17.7,31.0
LAMPS INSIDE	1	η up(%)	34.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	65.1	CIBSE SHR MAX	1.25

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:

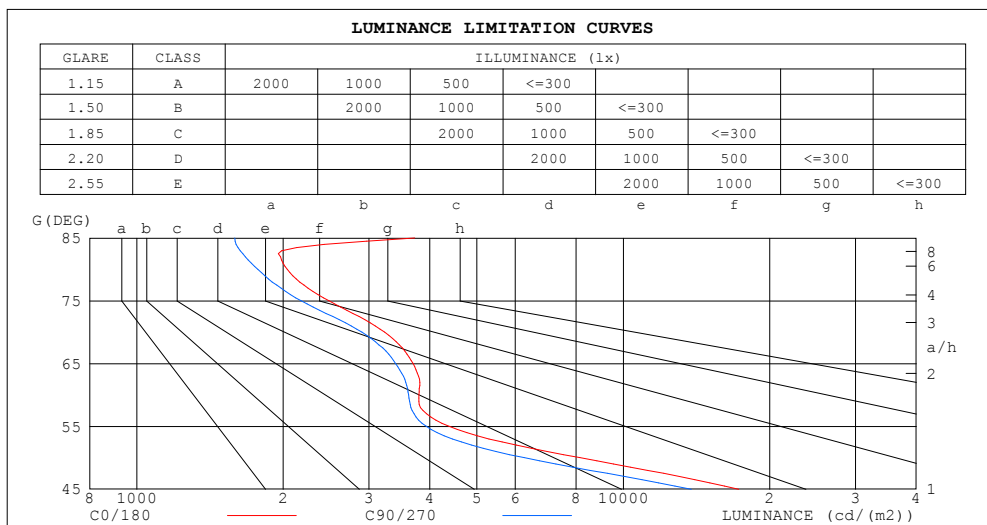
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2288	2274	2262	2257	2252	2269	2266	2281	0- 10	218.6	218.6	4.16,4.16
20	2183	2155	2165	2120	2089	2092	2084	2122	10- 20	623.0	841.6	16,16
30	1903	1936	1910	1868	1705	1727	1737	1797	20- 30	918.9	1760	33.5,33.5
40	1046	1433	993.1	1299	691.4	1035	769.7	1203	30- 40	924.3	2685	51,51
50	261.9	485.7	201.0	371.9	149.9	261.7	153.6	335.1	40- 50	486.3	3171	60.3,60.3
60	95.06	122.9	90.48	102.5	82.82	85.31	85.46	96.84	50- 60	143.9	3315	63,63
70	55.25	53.57	49.64	46.19	36.47	38.66	40.76	44.90	60- 70	68.30	3383	64.3,64.3
80	17.71	17.95	15.40	14.41	10.01	11.28	11.75	14.05	70- 80	28.92	3412	64.9,64.9
90	50.97	25.61	1.402	2.690	1.379	14.08	0.3491	49.90	80- 90	11.10	3423	65.1,65.1
100	176.3	126.6	31.97	171.7	163.9	190.7	39.82	148.7	90-100	76.42	3500	66.5,66.5
110	276.0	223.8	92.28	300.8	348.3	300.8	99.60	246.0	100-110	195.7	3695	70.3,70.3
120	386.0	315.2	158.1	404.0	476.5	387.8	161.4	336.9	110-120	280.7	3976	75.6,75.6
130	481.4	375.1	223.3	467.6	567.8	440.9	224.5	395.0	120-130	326.3	4302	81.8,81.8
140	526.2	405.9	284.1	484.1	599.8	456.9	285.8	421.5	130-140	321.8	4624	87.9,87.9
150	509.6	416.6	338.0	471.0	565.0	450.7	340.6	426.0	140-150	274.0	4898	93.1,93.1
160	464.3	418.3	379.3	447.9	498.2	436.0	383.7	421.9	150-160	201.3	5100	96.9,96.9
170	428.5	417.5	407.2	428.3	440.7	423.2	409.8	416.7	160-170	120.7	5220	99.2,99.2
180	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	170-180	40.07	5260	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:120.8V I:0.3010A P:36.20W PF:0.9900 Freq:60.00Hz Lamp Flux:5260.31x1 lm		
NAME: 4FT	TYPE:4000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3725	1591
80	2040	1774
75	2484	2178
70	3231	2903
65	3697	3405
60	3802	3619
55	4384	3933
50	8149	6255
45	17266	13791

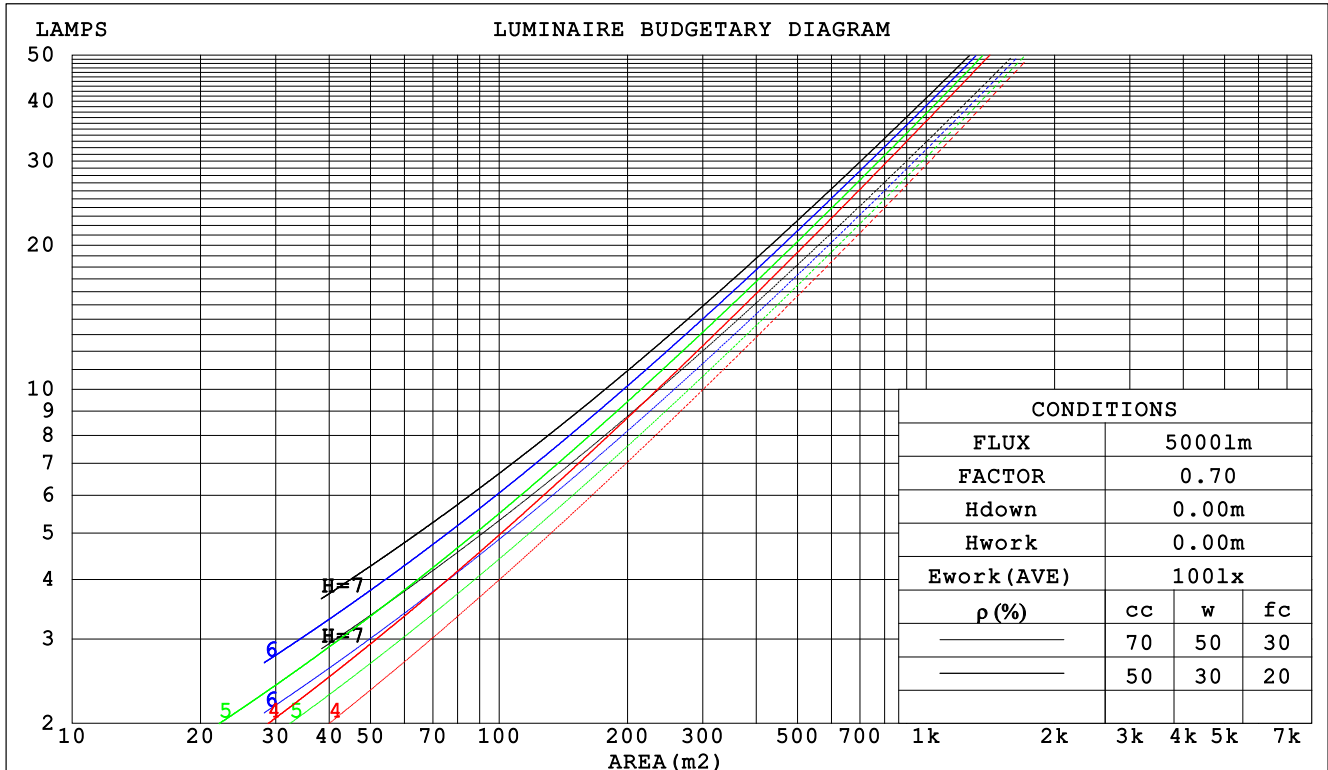
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.8V I:0.3010A P:36.20W PF:0.9900 Freq:60.00Hz Lamp Flux:5260.31x1 lm		
NAME: 4FT	TYPE:4000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	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	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
0.0	1.11	1.11	1.11	1.04	1.04	1.04	.92	.92	.92	.80	.80	.80	.70	.70	.70	.65
1.0	.00	.97	.94	.94	.92	.89	.84	.82	.80	.74	.73	.71	.65	.64	.63	.59
2.0	.90	.85	.81	.85	.81	.77	.76	.73	.70	.68	.66	.64	.61	.59	.57	.54
3.0	.81	.75	.70	.77	.72	.68	.70	.66	.62	.63	.59	.57	.56	.54	.52	.49
4.0	.74	.67	.62	.70	.64	.60	.64	.59	.55	.58	.54	.51	.52	.49	.47	.44
5.0	.67	.60	.55	.64	.58	.53	.59	.54	.50	.53	.49	.46	.48	.45	.43	.40
6.0	.62	.55	.49	.59	.53	.48	.54	.49	.45	.49	.45	.42	.45	.41	.39	.37
7.0	.57	.50	.45	.54	.48	.43	.50	.45	.41	.45	.41	.38	.42	.38	.36	.33
8.0	.52	.45	.40	.50	.44	.39	.46	.41	.37	.42	.38	.35	.39	.35	.33	.31
9.0	.48	.41	.37	.46	.40	.36	.43	.38	.34	.39	.35	.32	.36	.33	.30	.28
10.0	.45	.38	.34	.43	.37	.33	.40	.35	.31	.37	.33	.30	.34	.30	.28	.26



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:120.8V I:0.3010A P:36.20W PF:0.9900 Freq:60.00Hz Lamp Flux:5260.31x1 lm		
NAME: 4FT	TYPE:4000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	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	.226	.129	.041	.209	.119	.038	.176	.101	.032	.146	.084	.027	.119	.069	.022		
2.0	.214	.117	.036	.199	.109	.034	.169	.094	.029	.142	.080	.025	.117	.066	.021		
3.0	.202	.107	.032	.188	.101	.030	.161	.087	.027	.137	.075	.023	.114	.063	.019		
4.0	.190	.099	.029	.177	.093	.027	.153	.081	.024	.130	.070	.021	.109	.059	.018		
5.0	.179	.091	.026	.167	.086	.025	.145	.076	.022	.124	.066	.020	.105	.056	.017		
6.0	.169	.085	.024	.158	.080	.023	.138	.071	.021	.119	.062	.018	.101	.053	.016		
7.0	.160	.079	.022	.150	.075	.021	.131	.066	.019	.113	.058	.017	.097	.050	.015		
8.0	.151	.074	.021	.142	.070	.020	.125	.062	.018	.108	.055	.016	.093	.048	.014		
9.0	.144	.069	.019	.135	.066	.018	.119	.059	.017	.103	.052	.015	.089	.045	.013		
10.0	.137	.065	.018	.129	.062	.017	.113	.055	.016	.099	.049	.014	.085	.043	.012		

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	.457	.457	.457	.390	.390	.390	.266	.266	.266	.153	.153	.153	.049	.049	.049	
1.0	.443	.425	.409	.379	.365	.352	.259	.251	.244	.149	.145	.142	.048	.047	.046	
2.0	.432	.402	.377	.370	.346	.326	.254	.240	.228	.146	.139	.133	.047	.045	.043	
3.0	.423	.385	.355	.363	.332	.308	.249	.231	.216	.144	.135	.127	.046	.044	.042	
4.0	.415	.372	.340	.356	.322	.295	.245	.224	.208	.142	.131	.123	.046	.043	.040	
5.0	.408	.362	.328	.350	.313	.286	.241	.219	.202	.140	.129	.120	.045	.042	.039	
6.0	.402	.354	.320	.345	.307	.279	.238	.215	.197	.138	.126	.117	.045	.041	.039	
7.0	.396	.348	.314	.341	.301	.273	.235	.211	.194	.137	.124	.115	.044	.041	.038	
8.0	.391	.342	.309	.336	.297	.269	.233	.208	.191	.135	.123	.114	.044	.040	.038	
9.0	.386	.337	.305	.332	.293	.266	.230	.206	.189	.134	.122	.113	.043	.040	.037	
10.0	.381	.334	.302	.328	.290	.263	.228	.204	.187	.133	.120	.112	.043	.040	.037	

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:120.8V I:0.3010A P:36.20W PF:0.9900 Freq:60.00Hz Lamp Flux:5260.31x1 lm											
NAME: 4FT					TYPE:4000K 3.7			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: EVERFINE					SUR.:1.12*0.045			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	2H	18.3	19.2	19.0	19.9	20.7	17.7	18.6	18.4	19.3	20.1
	3H	18.2	19.0	18.9	19.7	20.5	17.6	18.4	18.3	19.1	19.9
	4H	18.1	18.9	18.9	19.6	20.5	17.5	18.3	18.3	19.0	19.8
	6H	18.0	18.7	18.8	19.5	20.3	17.4	18.1	18.2	18.8	19.7
	8H	18.0	18.6	18.7	19.4	20.3	17.3	18.0	18.1	18.8	19.7
	12H	17.9	18.5	18.7	19.3	20.2	17.3	17.9	18.1	18.7	19.6
4H	2H	18.0	18.8	18.8	19.5	20.3	17.4	18.2	18.2	18.9	19.8
	3H	17.9	18.6	18.7	19.3	20.3	17.4	18.0	18.1	18.7	19.7
	4H	17.9	18.4	18.7	19.2	20.2	17.3	17.9	18.1	18.6	19.6
	6H	17.8	18.3	18.6	19.1	20.1	17.2	17.7	18.0	18.5	19.5
	8H	17.7	18.2	18.6	19.0	20.0	17.2	17.6	18.0	18.4	19.4
	12H	17.7	18.1	18.6	19.0	20.0	17.1	17.5	17.9	18.3	19.4
8H	4H	17.7	18.1	18.5	19.0	20.0	17.1	17.6	18.0	18.4	19.4
	6H	17.6	18.0	18.5	18.8	19.9	17.0	17.4	17.9	18.3	19.3
	8H	17.6	17.9	18.5	18.8	19.9	17.0	17.3	17.9	18.2	19.3
	12H	17.6	17.8	18.5	18.7	19.8	17.0	17.2	17.9	18.1	19.2
12H	4H	17.6	18.0	18.5	18.9	19.9	17.0	17.4	17.9	18.3	19.3
	6H	17.5	17.9	18.4	18.7	19.8	17.0	17.3	17.9	18.2	19.3
	8H	17.5	17.8	18.4	18.7	19.8	16.9	17.2	17.9	18.1	19.2
Variations with the observer position at spacings:											
S = 1.0H	+ 2.4 / - 5.1					+ 2.4 / - 5.1					
1.5H	+ 2.5 / - 5.0					+ 2.7 / - 5.2					
2.0H	+ 4.7 / - 3.9					+ 4.0 / - 3.2					

CIE Pub.117 Corrected 5260 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.8)

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:120.8V I:0.3010A P:36.20W PF:0.9900 Freq:60.00Hz Lamp Flux:5260.31x1 lm		
NAME: 4FT	TYPE:4000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

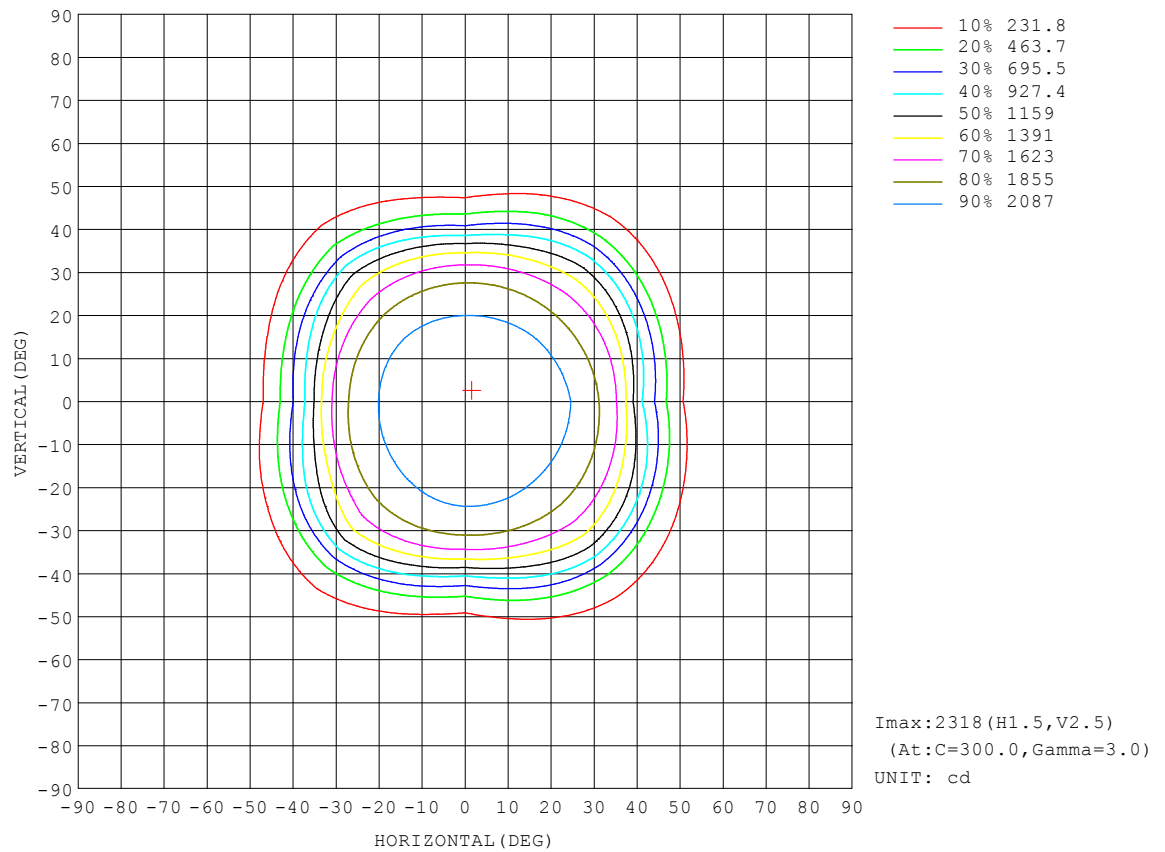
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	61	52	47	59	51	46	56	49	45	39
0.80	70	61	55	67	59	54	63	57	52	45
1.00	76	67	62	74	66	61	68	63	58	49
1.25	82	74	68	79	71	66	73	67	63	53
1.50	86	78	73	82	76	71	76	70	67	55
2.00	91	84	79	87	81	76	79	75	71	57
2.50	94	88	83	90	84	80	81	77	74	58
3.00	97	91	87	92	87	83	83	79	76	60
4.00	100	95	92	95	91	87	85	82	80	61
5.00	102	98	95	97	93	90	86	84	82	62
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:120.8V I:0.3010A P:36.20W PF:0.9900 Freq:60.00Hz Lamp Flux:5260.31x1 lm		
NAME: 4FT	TYPE:4000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

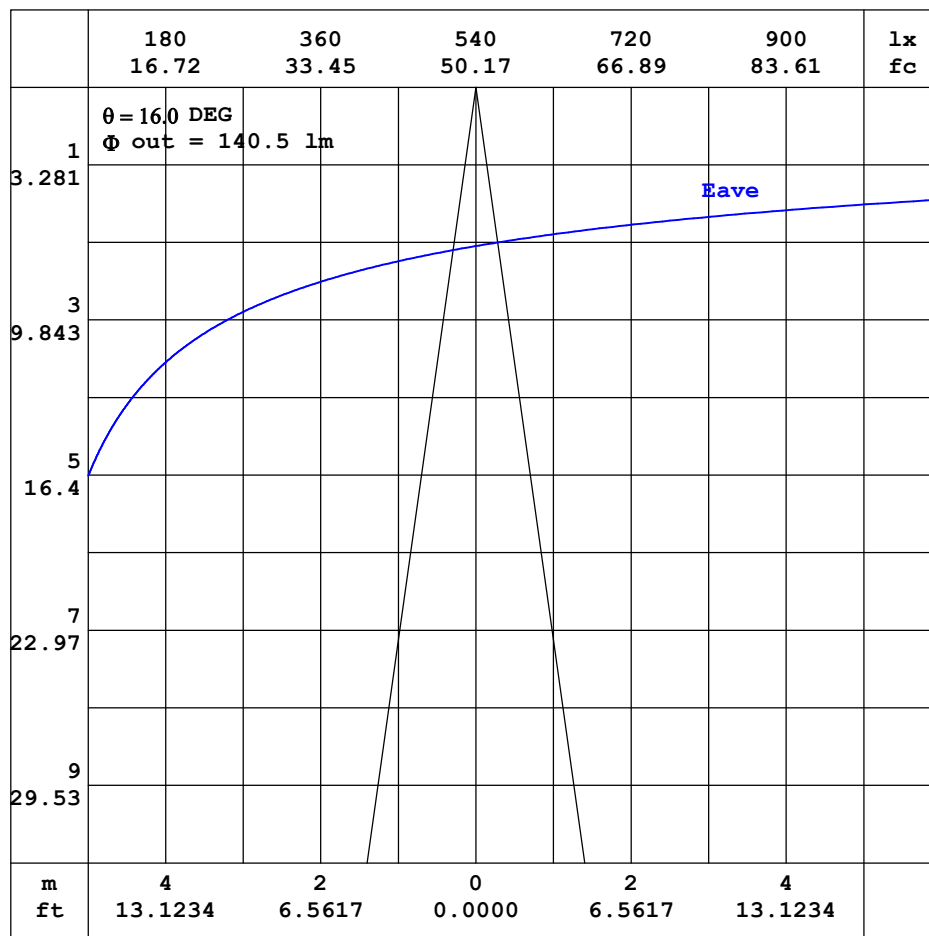


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.8V I:0.3010A P:36.20W PF:0.9900 Freq:60.00Hz Lamp Flux:5260.31x1 lm		
NAME: 4FT	TYPE:4000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



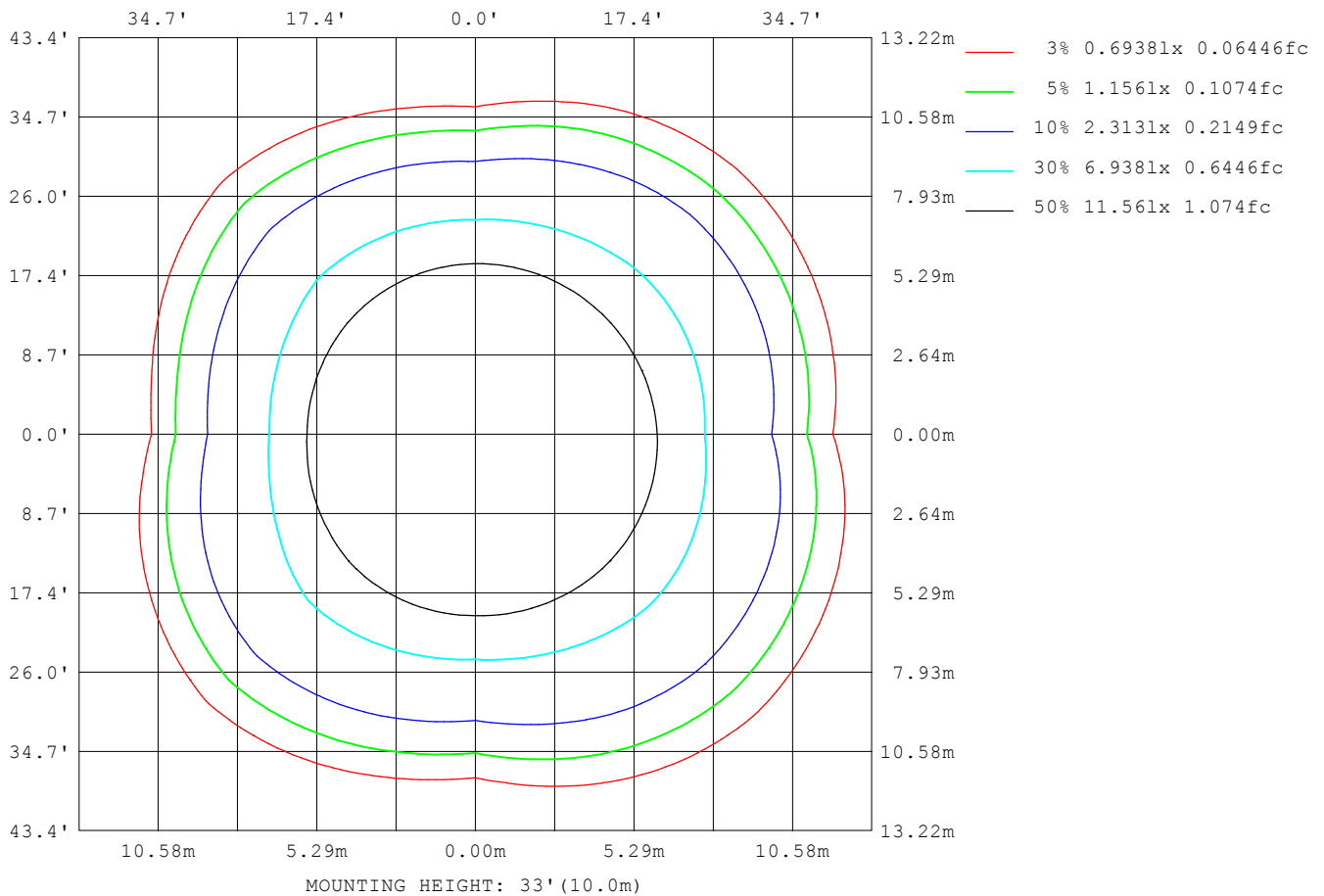
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.8V I:0.3010A P:36.20W PF:0.9900 Freq:60.00Hz Lamp Flux:5260.31x1 lm		
NAME: 4FT	TYPE:4000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	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:120.8V I:0.3010A P:36.20W PF:0.9900 Freq:60.00Hz Lamp Flux:5260.31x1 lm		
NAME: 4FT	TYPE:4000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

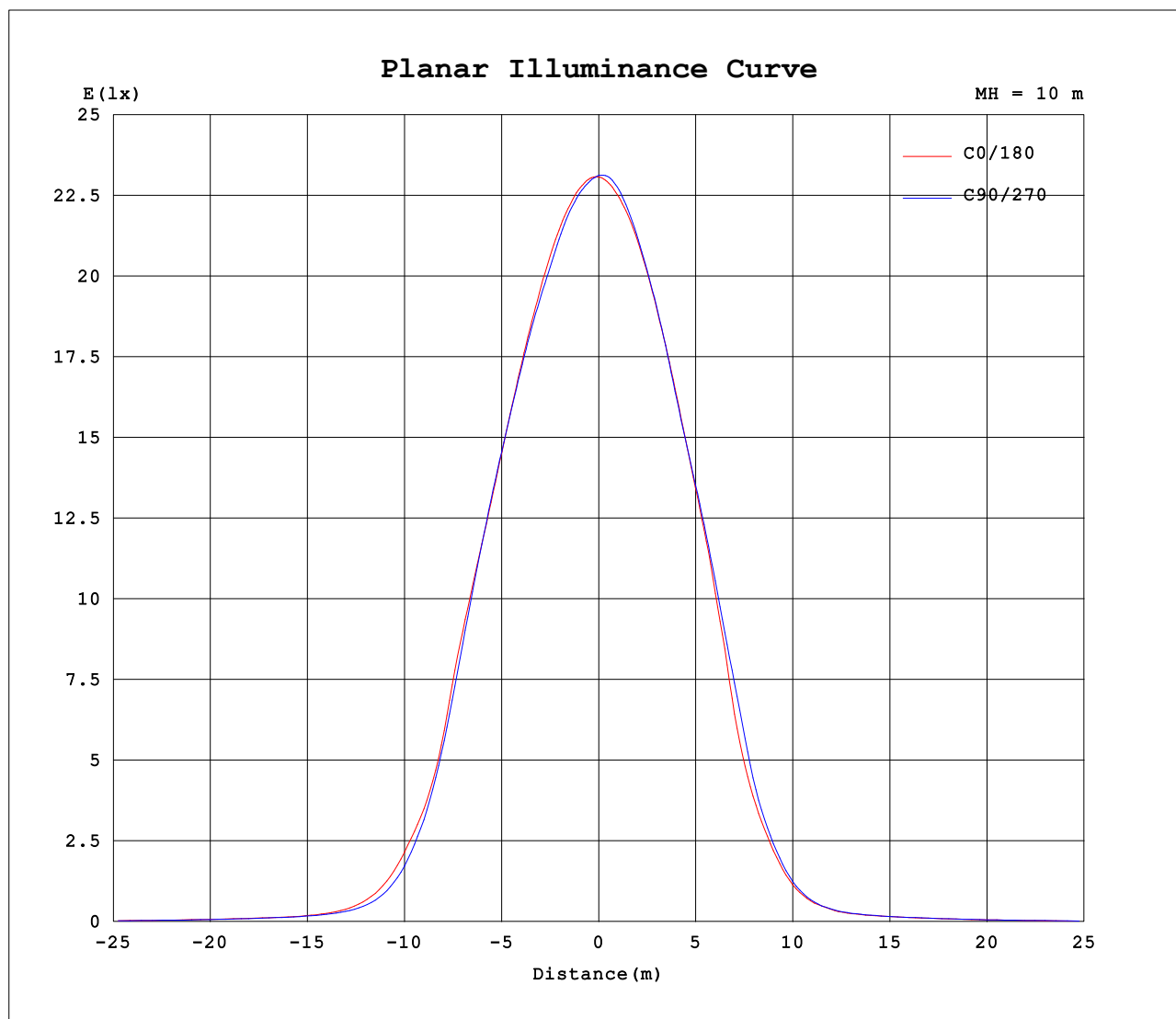
AvgL	cd/m2
L_0~180 (65) av	3283
L_0~180 (75) av	2014
L_0~180 (85) av	2253
L_90~270 (65) av	3239
L_90~270 (75) av	1969
L_90~270 (85) av	1257
L_45 (65) av	3237
L_45 (75) av	2070
L_45 (85) av	1615

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:120.8V I:0.3010A P:36.20W PF:0.9900 Freq:60.00Hz Lamp Flux:5260.31x1 lm																	
NAME: 4FT									TYPE:4000K 3.7						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:1.12*0.045						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	2307	2307	2308	2308	2308	2308	2309	2309	2309	2309	2310	2310	2310	2311	2311	2311	2312	2312	2312
5	2306	2305	2304	2303	2302	2301	2300	2299	2298	2297	2297	2296	2295	2295	2294	2293	2293	2292	2292
10	2288	2286	2284	2283	2281	2280	2278	2276	2275	2274	2272	2271	2269	2268	2267	2265	2264	2263	2262
15	2249	2246	2242	2239	2236	2233	2230	2228	2226	2223	2222	2220	2219	2218	2217	2216	2215	2214	2214
20	2183	2178	2174	2169	2166	2163	2160	2158	2156	2155	2156	2157	2159	2160	2162	2163	2165	2165	2165
25	2075	2075	2074	2074	2073	2073	2073	2073	2072	2072	2073	2074	2075	2075	2076	2076	2075	2074	2073
30	1903	1909	1915	1921	1925	1929	1932	1934	1936	1936	1936	1934	1932	1929	1926	1922	1918	1914	1910
35	1638	1661	1681	1698	1712	1723	1730	1734	1735	1733	1718	1701	1682	1662	1641	1620	1601	1583	1567
40	1046	1130	1203	1267	1320	1363	1396	1418	1431	1433	1396	1351	1300	1246	1190	1134	1082	1034	993
45	610	699	776	842	896	940	972	993	1003	1002	958	904	845	781	716	652	591	535	488
50	262	312	356	393	424	449	468	480	486	486	462	432	400	365	329	293	259	228	201
55	126	149	170	188	203	215	224	230	234	235	225	212	199	184	168	153	138	124	113
60	95.1	101	106	111	115	118	120	122	123	123	120	117	114	110	106	102	97.5	93.8	90.5
65	78.1	78.1	78.0	77.9	77.7	77.5	77.3	77.1	76.8	76.4	76.0	75.6	75.1	74.6	74.0	73.5	73.0	72.5	72.0
70	55.3	55.2	55.1	54.9	54.8	54.6	54.4	54.1	53.9	53.6	53.2	52.8	52.4	51.9	51.5	51.0	50.6	50.1	49.6
75	32.1	32.4	32.7	32.9	33.0	33.0	33.0	33.0	32.8	32.6	32.2	31.8	31.3	30.8	30.3	29.7	29.2	28.7	28.2
80	17.7	17.9	18.0	18.1	18.2	18.2	18.2	18.1	18.1	17.9	17.7	17.5	17.2	16.9	16.6	16.3	16.0	15.7	15.4
85	16.2	15.2	14.2	13.3	12.5	11.7	11.0	10.3	9.68	9.13	8.70	8.32	8.00	7.78	7.61	7.43	7.25	7.07	6.93
90	51.0	48.1	45.2	42.4	39.6	36.7	33.9	31.1	28.4	25.6	22.4	19.3	16.2	13.3	10.5	7.84	5.44	3.28	1.40
95	118	116	112	109	105	100	95.6	90.4	84.8	78.9	69.6	60.1	50.7	41.5	32.9	25.0	18.0	12.2	7.79
100	176	173	169	165	160	154	148	142	134	127	113	99.6	86.3	73.5	61.7	51.3	42.6	36.0	32.0
105	227	224	220	216	211	205	198	191	183	174	158	142	126	111	96.5	84.1	73.7	66.0	61.4
110	276	274	271	267	263	257	250	242	233	224	205	187	168	150	134	119	107	97.8	92.3
115	330	329	325	321	316	310	302	293	283	273	252	231	210	189	171	154	140	130	124
120	386	382	378	372	365	357	348	338	327	315	293	271	248	227	207	190	175	165	158
125	437	431	424	416	407	397	386	375	362	349	326	303	281	259	239	222	208	197	191
130	481	472	462	451	440	428	416	403	389	375	352	330	308	287	268	252	238	229	223
135	512	500	487	475	462	449	436	422	408	394	372	351	331	312	294	279	267	259	254
140	526	513	500	486	473	460	446	433	419	406	387	368	350	333	318	305	295	288	284
145	525	512	499	486	474	461	449	437	425	413	397	381	366	352	339	329	321	315	313
150	510	499	488	477	467	456	446	436	426	417	404	391	379	368	359	350	344	340	338
155	487	479	471	463	455	447	440	432	425	418	408	399	390	382	375	369	365	362	360
160	464	459	453	448	443	438	433	428	423	418	412	405	400	394	389	385	382	380	379
165	444	441	438	435	432	429	426	423	421	418	414	410	407	404	401	398	397	395	395
170	428	427	426	425	424	422	421	420	419	418	416	414	412	411	410	409	408	407	407
175	420	419	419	419	419	418	418	418	418	418	417	417	416	416	416	416	416	415	416
180	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414

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:120.8V I:0.3010A P:36.20W PF:0.9900 Freq:60.00Hz Lamp Flux:5260.31x1 lm																		
NAME: 4FT									TYPE:4000K 3.7					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:1.12*0.045					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	2313	2313	2313	2314	2314	2314	2314	2314	2314	2313	2313	2312	2311	2310	2309	2309	2308	2307	2307
5	2292	2292	2292	2292	2292	2292	2292	2292	2291	2291	2290	2289	2288	2288	2287	2287	2287	2287	2288
10	2261	2261	2260	2260	2259	2259	2258	2258	2257	2256	2255	2254	2253	2253	2252	2252	2252	2252	2253
15	2213	2212	2211	2209	2208	2207	2206	2205	2204	2202	2200	2198	2196	2194	2193	2191	2190	2189	2190
20	2162	2158	2153	2148	2143	2137	2132	2126	2120	2116	2112	2108	2104	2100	2097	2094	2091	2089	2089
25	2070	2066	2061	2056	2050	2044	2037	2030	2022	2011	2001	1990	1979	1969	1959	1949	1941	1934	1932
30	1908	1905	1902	1899	1895	1890	1884	1876	1868	1850	1831	1812	1792	1773	1754	1736	1719	1705	1702
35	1576	1588	1600	1613	1623	1632	1637	1638	1633	1585	1532	1476	1419	1362	1307	1256	1210	1171	1184
40	1021	1055	1094	1136	1177	1217	1252	1280	1299	1243	1177	1106	1031	955	880	810	746	691	711
45	513	546	585	628	672	715	755	789	815	773	723	667	608	546	485	426	371	324	332
50	213	230	249	271	294	317	338	357	372	353	331	306	279	251	223	196	171	150	156
55	118	125	133	142	152	161	171	179	185	178	170	160	149	138	127	117	107	98.3	100
60	91.0	92.0	93.3	94.8	96.5	98.2	99.9	101	102	101	98.9	96.8	94.4	92.0	89.6	87.2	84.9	82.8	82.4
65	71.6	71.3	71.0	70.7	70.3	69.9	69.5	69.1	68.6	67.7	66.8	65.8	64.8	63.9	63.0	62.1	61.3	60.6	60.3
70	49.4	49.1	48.8	48.5	48.1	47.7	47.3	46.8	46.2	45.1	43.9	42.8	41.6	40.4	39.3	38.2	37.3	36.5	36.3
75	28.0	27.9	27.8	27.8	27.7	27.5	27.4	27.2	26.9	26.2	25.4	24.5	23.7	22.9	22.0	21.3	20.6	20.0	19.9
80	15.3	15.2	15.1	15.1	15.0	14.9	14.8	14.6	14.4	13.9	13.4	12.9	12.3	11.8	11.3	10.8	10.4	10.0	9.99
85	6.91	6.91	6.92	6.93	6.93	6.93	6.91	6.86	6.78	6.42	6.03	5.62	5.20	4.79	4.40	4.03	3.69	3.41	3.45
90	1.40	1.43	1.48	1.53	1.58	1.63	1.68	2.16	2.69	2.37	2.04	1.72	1.44	1.22	1.08	1.04	1.14	1.38	2.84
95	11.8	17.2	23.5	30.7	38.3	46.0	53.7	60.9	67.4	66.1	64.0	61.4	58.4	55.4	52.5	50.0	48.1	47.1	54.6
100	42.9	56.2	71.4	87.8	105	123	140	156	172	175	176	177	176	174	172	169	166	164	169
105	74.6	90.9	109	130	152	174	196	218	239	249	258	265	270	275	278	279	280	280	281
110	108	127	149	173	198	224	251	276	301	313	323	331	338	343	346	348	349	348	349
115	141	163	187	214	243	272	302	331	359	373	385	394	402	408	412	415	415	414	414
120	176	198	224	252	282	313	344	375	404	420	435	447	457	465	471	475	477	477	474
125	209	231	257	286	316	348	380	411	441	460	476	490	502	512	520	525	528	529	525
130	241	262	287	315	345	375	407	438	468	487	505	521	535	546	556	562	566	568	562
135	270	290	313	339	366	395	424	453	482	502	521	538	553	566	577	585	590	592	586
140	298	315	335	357	382	407	433	459	484	504	523	541	556	570	581	590	597	600	592
145	324	338	355	373	393	414	436	458	480	498	516	532	547	560	571	580	586	590	583
150	347	358	371	386	402	419	436	454	471	487	501	515	528	539	548	556	562	565	559
155	367	375	385	396	408	420	433	447	460	472	483	494	504	513	520	526	531	534	528
160	384	390	396	404	412	421	430	439	448	456	464	471	478	484	489	493	496	498	495
165	398	401	406	410	415	421	426	432	437	442	446	451	455	458	461	463	465	466	464
170	409	411	413	415	418	420	423	426	428	431	433	434	436	438	439	440	440	441	440
175	416	417	417	418	419	420	421	421	422	423	423	424	424	424	424	424	424	424	424
180	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414

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:120.8V I:0.3010A P:36.20W PF:0.9900 Freq:60.00Hz Lamp Flux:5260.31x1 lm																		
NAME: 4FT									TYPE:4000K 3.7					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:1.12*0.045					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	2307	2307	2308	2308	2308	2309	2309	2309	2310	2310	2310	2311	2311	2311	2312	2312	2312	2313	2313
5	2290	2291	2293	2295	2297	2299	2300	2302	2303	2304	2305	2306	2307	2308	2309	2309	2310	2311	2312
10	2255	2257	2259	2261	2263	2265	2267	2269	2269	2268	2268	2268	2267	2267	2266	2266	2266	2267	2269
15	2191	2192	2193	2194	2195	2197	2198	2199	2198	2198	2197	2196	2196	2195	2194	2194	2194	2195	2196
20	2089	2089	2089	2089	2090	2091	2091	2092	2091	2089	2088	2087	2085	2085	2084	2084	2084	2087	2090
25	1931	1931	1932	1934	1936	1938	1941	1943	1942	1941	1939	1938	1937	1937	1936	1937	1937	1941	1945
30	1701	1702	1704	1707	1711	1716	1722	1727	1728	1728	1729	1729	1730	1731	1733	1735	1737	1741	1746
35	1204	1230	1260	1294	1329	1364	1398	1429	1425	1418	1408	1396	1384	1372	1360	1351	1345	1361	1380
40	740	777	819	865	911	956	998	1035	1011	982	949	914	879	845	814	789	770	807	851
45	348	370	396	424	454	483	511	535	516	494	470	444	420	397	377	362	352	387	428
50	165	177	191	206	221	236	250	262	251	239	225	210	196	183	170	161	154	169	188
55	104	108	113	119	124	130	135	139	136	131	127	122	117	112	107	104	102	108	114
60	82.3	82.4	82.6	83.0	83.5	84.1	84.7	85.3	85.2	85.1	84.9	84.9	84.8	84.8	84.9	85.1	85.5	86.6	87.9
65	60.2	60.1	60.1	60.1	60.3	60.5	60.7	61.0	61.4	61.8	62.2	62.6	63.1	63.6	64.0	64.5	65.0	65.1	65.3
70	36.4	36.5	36.7	37.0	37.3	37.8	38.2	38.7	38.9	39.1	39.3	39.5	39.7	39.9	40.2	40.5	40.8	41.0	41.4
75	19.9	20.0	20.2	20.4	20.7	21.0	21.3	21.6	21.7	21.8	21.9	22.0	22.1	22.3	22.4	22.6	22.8	23.0	23.3
80	10.0	10.1	10.3	10.4	10.6	10.8	11.1	11.3	11.3	11.4	11.4	11.4	11.5	11.5	11.6	11.7	11.7	11.9	12.1
85	3.54	3.67	3.83	4.01	4.21	4.40	4.59	4.76	4.67	4.56	4.44	4.32	4.21	4.11	4.05	4.01	4.02	4.18	4.39
90	4.41	6.05	7.70	9.29	10.8	12.1	13.2	14.1	12.2	10.2	8.01	5.91	3.97	2.32	1.09	0.39	0.35	4.77	9.83
95	62.9	71.5	80.2	88.5	96.3	103	108	112	103	92.3	80.6	68.3	55.9	43.9	32.7	22.8	14.8	20.1	27.3
100	174	179	184	188	191	193	193	191	175	157	139	120	101	82.8	66.3	51.8	39.8	45.3	53.6
105	281	280	278	275	270	264	256	246	225	204	181	159	137	117	98.0	82.1	69.2	75.5	85.0
110	348	346	342	337	331	323	313	301	277	252	226	201	176	153	132	114	99.6	107	118
115	411	407	401	394	385	374	362	347	321	293	265	238	211	187	164	145	130	139	152
120	470	464	456	446	434	420	405	388	360	330	301	272	245	219	196	177	161	171	184
125	519	510	500	487	473	457	439	420	391	361	331	302	275	249	227	208	193	202	215
130	554	544	531	517	500	482	462	441	413	384	355	327	301	277	256	238	225	233	246
135	576	564	549	533	515	495	474	452	426	399	373	348	324	303	284	268	256	264	275
140	582	570	555	538	519	499	478	457	433	410	386	364	344	325	309	296	286	292	301
145	573	561	546	530	513	495	475	456	436	416	397	378	361	346	333	322	314	319	326
150	550	540	527	514	499	483	467	451	435	419	404	390	377	365	355	347	341	344	350
155	522	513	504	493	481	469	456	444	432	421	410	399	390	382	374	368	364	366	370
160	490	484	477	470	462	453	445	436	428	421	413	407	401	395	390	387	384	385	387
165	461	457	453	449	444	439	434	429	424	420	416	412	409	405	403	401	399	400	401
170	438	436	435	432	430	428	426	423	421	419	417	416	414	413	412	411	410	410	410
175	424	423	423	422	422	421	421	420	419	419	418	418	418	417	417	416	416	416	416
180	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414

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:120.8V I:0.3010A P:36.20W PF:0.9900 Freq:60.00Hz Lamp Flux:5260.31x1 lm																	
NAME: 4FT									TYPE:4000K 3.7						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:1.12*0.045						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	2313	2314	2314	2314	2314	2314	2314	2314	2313	2313	2312	2311	2310	2309	2308				
5	2313	2313	2314	2315	2315	2315	2315	2315	2315	2314	2313	2312	2311	2309	2307				
10	2270	2272	2274	2276	2278	2279	2281	2282	2283	2284	2285	2286	2287	2287	2288				
15	2197	2199	2201	2203	2205	2208	2211	2214	2218	2221	2225	2230	2234	2239	2244				
20	2093	2097	2101	2106	2111	2116	2122	2128	2134	2140	2146	2153	2160	2168	2175				
25	1949	1954	1960	1966	1973	1980	1988	1996	2004	2013	2022	2032	2042	2053	2064				
30	1751	1758	1764	1771	1779	1788	1797	1806	1816	1827	1838	1850	1862	1875	1889				
35	1402	1426	1451	1477	1503	1529	1554	1569	1583	1596	1607	1616	1624	1630	1635				
40	900	952	1006	1060	1112	1160	1203	1214	1219	1216	1206	1188	1164	1132	1093				
45	473	521	569	618	664	707	744	756	760	758	750	735	714	686	651				
50	209	231	254	276	298	318	335	340	341	339	334	326	315	300	283				
55	122	130	138	146	154	161	167	167	167	165	161	157	151	144	135				
60	89.2	90.6	92.0	93.3	94.6	95.8	96.8	97.3	97.6	97.7	97.7	97.5	97.1	96.6	95.9				
65	65.5	65.7	65.9	66.2	66.6	67.0	67.5	68.3	69.2	70.1	71.2	72.4	73.7	75.1	76.5				
70	41.7	42.1	42.5	43.0	43.6	44.2	44.9	45.7	46.7	47.7	48.7	49.9	51.1	52.4	53.8				
75	23.6	23.9	24.3	24.7	25.1	25.5	26.0	26.6	27.1	27.7	28.4	29.1	29.8	30.5	31.3				
80	12.3	12.6	12.8	13.1	13.4	13.7	14.1	14.4	14.7	15.1	15.5	15.9	16.3	16.8	17.2				
85	4.65	4.97	5.35	5.78	6.28	6.84	7.47	8.18	8.96	9.80	10.7	11.7	12.7	13.8	15.0				
90	15.4	21.2	27.2	33.2	39.1	44.7	49.9	52.4	54.3	55.6	56.4	56.5	56.0	54.9	53.2				
95	36.1	46.1	57.0	68.4	80.0	91.4	102	108	112	116	118	120	121	121	120				
100	64.1	76.4	90.1	105	120	134	149	156	162	167	171	174	176	177	177				
105	97.2	111	127	144	161	179	195	204	211	216	221	225	227	228	228				
110	133	149	168	187	207	227	246	255	263	269	274	277	279	279	278				
115	168	187	207	229	251	273	295	305	314	321	326	330	333	334	333				
120	201	221	243	266	290	314	337	349	359	367	374	380	384	386	387				
125	232	252	274	298	322	347	370	383	395	405	414	421	427	432	435				
130	262	281	302	324	348	372	395	409	422	433	444	453	462	469	476				
135	289	306	325	346	368	390	412	426	439	452	463	474	485	495	503				
140	314	328	345	363	382	402	422	435	447	460	472	483	495	506	516				
145	336	348	362	377	392	409	425	437	449	460	471	482	493	504	514				
150	357	366	377	388	400	413	426	435	445	454	463	473	482	491	500				
155	375	382	389	397	406	415	424	431	438	445	452	459	466	473	480				
160	391	395	399	404	410	416	422	426	431	436	440	445	450	454	459				
165	402	404	407	409	412	416	419	421	424	427	429	432	435	438	441				
170	411	411	412	413	414	415	417	418	419	420	421	423	424	425	427				
175	416	416	416	416	416	417	417	417	417	417	418	418	418	419	419				
180	414	414	414	414	414	414	414	414	414	414	414	414	414	414	414				

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: