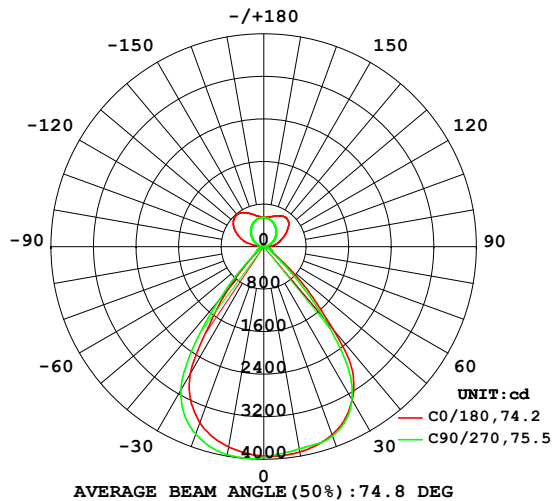


LUMINAIRE PHOTOMETRIC TEST REPORT

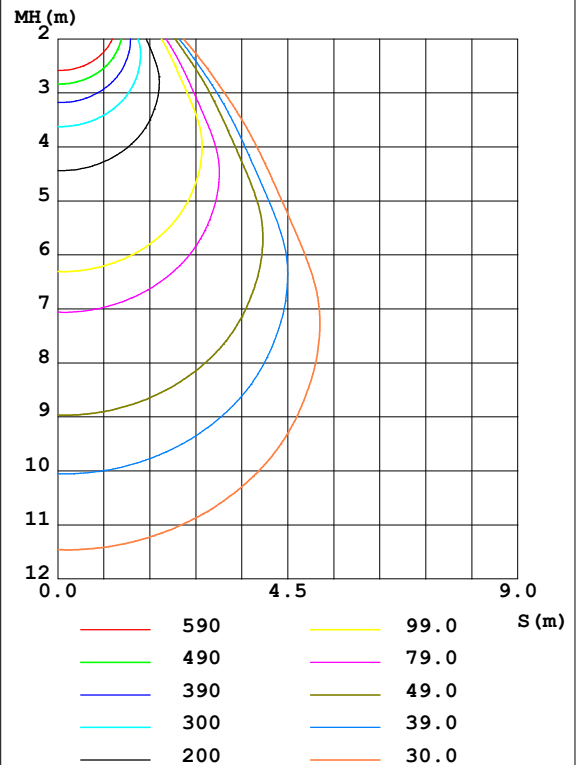
Test:U:120.8V I:0.4860A P:58.50W PF:0.9900 Freq:60.00Hz Lamp Flux:8382.12x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.28 lm/W			
MODEL		I _{max} (cd)	4004	S/MH(C0/180)	1.17
NOMINAL POWER(W)	60W	LOR(%)	100.0	S/MH(C90/270)	1.06
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	8382.1	η UP,DN(C0-180)	13.9,37.3
NOMINAL FLUX(lm)	8382.12	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	14.7,34.1
LAMPS INSIDE	1	η up(%)	28.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	71.4	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:

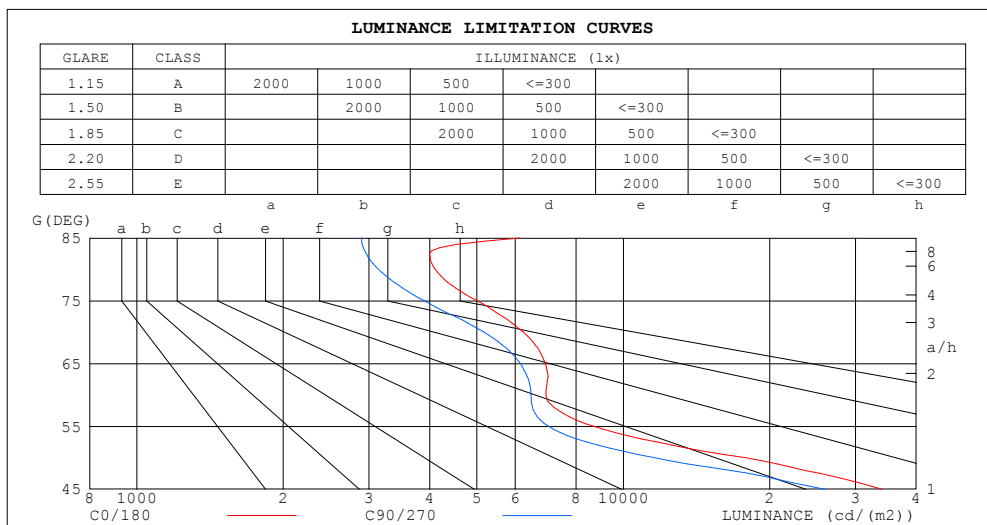
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3919	3881	3862	3840	3822	3911	3971	3983	0- 10	374.8	374.8	4.47,4.47
20	3761	3755	3786	3650	3521	3662	3749	3805	10- 20	1080	1455	17.4,17.4
30	3323	3423	3313	3203	2770	3018	3118	3309	20- 30	1609	3065	36.6,36.6
40	2022	2569	1770	2149	1037	1707	1296	2250	30- 40	1614	4678	55.8,55.8
50	571.8	991.3	372.0	591.3	224.9	414.9	254.1	665.7	40- 50	857.0	5535	66,66
60	173.4	245.5	161.5	173.6	137.7	139.4	148.2	180.0	50- 60	261.0	5796	69.2,69.2
70	106.6	102.3	88.48	76.88	56.75	60.84	68.72	83.19	60- 70	121.1	5917	70.6,70.6
80	35.66	35.49	27.28	23.69	15.66	16.71	20.07	26.74	70- 80	51.43	5969	71.2,71.2
90	64.89	28.73	2.331	5.512	2.993	26.15	2.859	71.31	80- 90	18.48	5987	71.4,71.4
100	218.6	155.1	37.12	212.1	216.7	262.8	58.78	192.4	90-100	99.35	6087	72.6,72.6
110	332.0	275.8	114.6	383.9	464.6	408.2	138.4	310.6	100-110	252.5	6339	75.6,75.6
120	474.7	394.9	200.6	513.6	631.5	524.9	222.1	432.1	110-120	362.0	6701	79.9,79.9
130	613.1	476.3	284.1	592.7	748.7	593.7	306.8	526.3	120-130	424.0	7125	85,85
140	685.0	520.9	363.1	618.9	787.6	610.6	388.6	563.5	130-140	420.9	7546	90,90
150	669.6	540.4	434.5	608.2	741.2	599.0	458.5	568.8	140-150	359.4	7905	94.3,94.3
160	613.1	546.5	493.2	583.2	653.7	577.5	512.9	561.7	150-160	264.7	8170	97.5,97.5
170	567.2	548.0	533.6	561.4	580.3	559.7	544.2	553.4	160-170	159.1	8329	99.4,99.4
180	545.7	545.7	545.7	545.7	545.7	545.7	545.7	545.7	170-180	52.84	8382	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:0.4860A P:58.50W PF:0.9900 Freq:60.00Hz Lamp Flux:8382.12x1 lm		
NAME: 4FT	TYPE:3500K 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	6128	2902
80	4107	3142
75	5006	3898
70	6232	5174
65	6912	6140
60	6934	6461
55	8689	7017
50	17791	11575
45	33965	25937

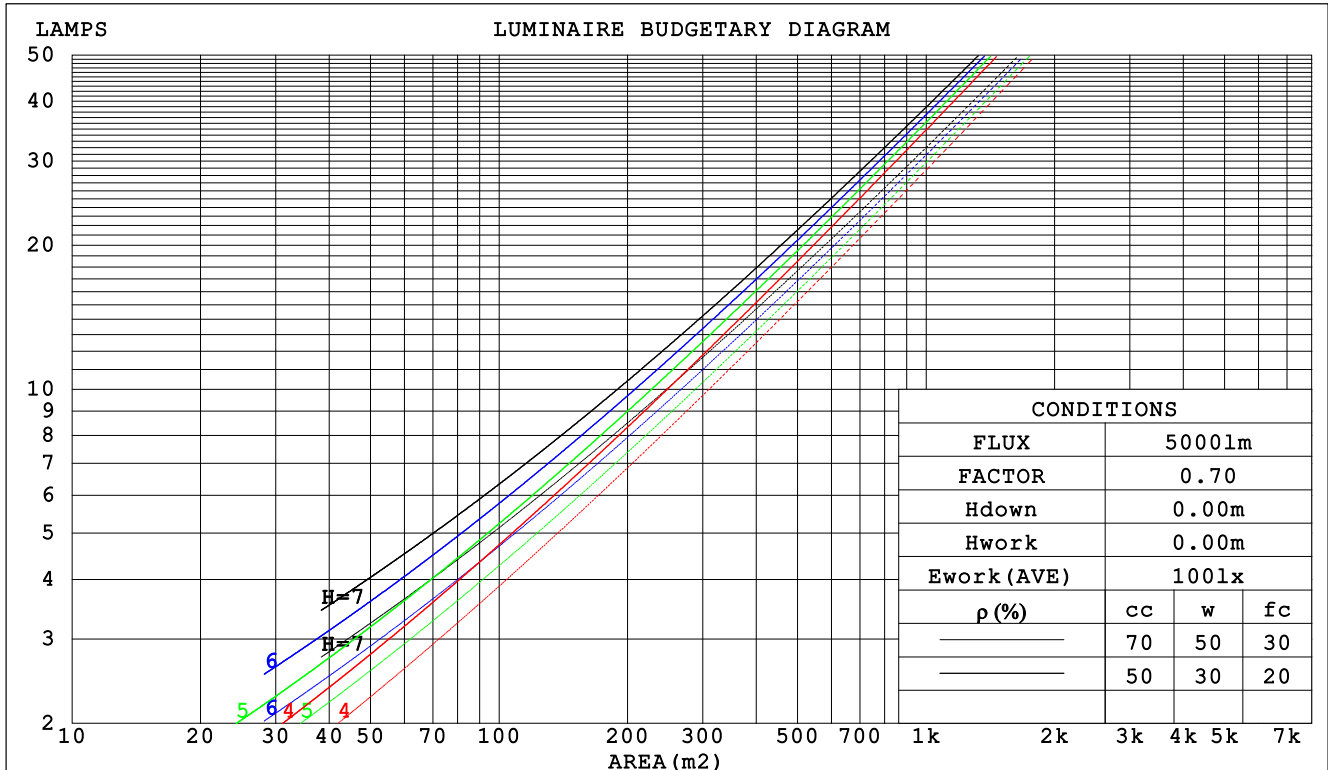
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.4860A P:58.50W PF:0.9900 Freq:60.00Hz Lamp Flux:8382.12x1 lm		
NAME: 4FT	TYPE:3500K 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	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.12	1.12	1.12	1.06	1.06	1.06	.95	.95	.95	.85	.85	.85	.76	.76	.76	.71
1.0	1.02	.98	.96	.97	.94	.91	.87	.85	.83	.79	.77	.76	.71	.70	.69	.65
2.0	.92	.87	.83	.88	.83	.79	.80	.76	.73	.72	.70	.68	.66	.64	.62	.59
3.0	.83	.77	.72	.80	.74	.70	.73	.69	.65	.67	.63	.61	.61	.58	.56	.53
4.0	.76	.69	.64	.73	.67	.62	.67	.62	.58	.61	.58	.54	.56	.53	.51	.48
5.0	.69	.62	.57	.66	.60	.55	.61	.56	.52	.57	.52	.49	.52	.49	.46	.44
6.0	.63	.56	.51	.61	.55	.50	.56	.51	.47	.52	.48	.45	.48	.45	.42	.40
7.0	.58	.51	.46	.56	.50	.45	.52	.47	.43	.48	.44	.41	.45	.41	.39	.37
8.0	.54	.47	.42	.52	.46	.41	.48	.43	.39	.45	.41	.37	.42	.38	.36	.34
9.0	.50	.43	.38	.48	.42	.38	.45	.40	.36	.42	.38	.34	.39	.36	.33	.31
10.0	.46	.40	.35	.45	.39	.34	.42	.37	.33	.39	.35	.32	.37	.33	.30	.29



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:0.4860A P:58.50W PF:0.9900 Freq:60.00Hz Lamp Flux:8382.12x1 lm					
NAME: 4FT			TYPE:3500K 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	.224	.127	.040	.208	.119	.038	.179	.103	.033	.153	.088	.028	.128	.074	.024		
2.0	.213	.116	.036	.199	.109	.034	.173	.096	.030	.149	.083	.026	.127	.072	.023		
3.0	.201	.107	.032	.188	.101	.030	.165	.089	.027	.143	.078	.024	.123	.068	.021		
4.0	.189	.098	.029	.178	.093	.028	.157	.083	.025	.137	.073	.022	.118	.064	.020		
5.0	.179	.091	.026	.168	.086	.025	.149	.077	.023	.131	.069	.021	.114	.061	.018		
6.0	.169	.085	.024	.159	.081	.023	.141	.073	.021	.125	.065	.019	.109	.057	.017		
7.0	.160	.079	.022	.151	.075	.021	.135	.068	.020	.119	.061	.018	.105	.054	.016		
8.0	.152	.074	.021	.143	.071	.020	.128	.064	.018	.114	.058	.017	.100	.051	.015		
9.0	.144	.070	.019	.136	.066	.019	.122	.060	.017	.109	.055	.016	.096	.049	.014		
10.0	.137	.066	.018	.130	.063	.018	.117	.057	.016	.104	.052	.015	.092	.046	.013		

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	.408	.408	.408	.349	.349	.349	.238	.238	.238	.137	.137	.137	.044	.044	.044	
1.0	.394	.376	.361	.337	.323	.310	.230	.222	.215	.133	.129	.125	.042	.041	.040	
2.0	.383	.353	.329	.328	.304	.284	.225	.210	.198	.130	.122	.116	.042	.040	.038	
3.0	.373	.336	.306	.320	.290	.266	.220	.201	.186	.127	.118	.110	.041	.038	.036	
4.0	.365	.323	.290	.313	.279	.252	.216	.194	.178	.125	.114	.105	.040	.037	.035	
5.0	.358	.312	.279	.308	.270	.243	.212	.189	.171	.123	.111	.102	.040	.036	.033	
6.0	.352	.304	.270	.302	.263	.235	.209	.184	.166	.121	.108	.099	.039	.035	.033	
7.0	.346	.297	.264	.297	.258	.230	.206	.181	.163	.119	.107	.097	.039	.035	.032	
8.0	.340	.292	.259	.293	.253	.226	.203	.178	.160	.118	.105	.095	.038	.034	.032	
9.0	.335	.287	.255	.289	.249	.222	.200	.175	.158	.117	.104	.094	.038	.034	.031	
10.0	.331	.283	.252	.285	.246	.220	.198	.173	.156	.115	.102	.093	.037	.034	.031	

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:0.4860A P:58.50W PF:0.9900 Freq:60.00Hz Lamp Flux:8382.12x1 lm											
NAME: 4FT					TYPE:3500K 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	21.2	22.2	21.8	22.7	23.4	20.4	21.4	21.1	22.0	22.6
	3H	21.1	22.0	21.8	22.6	23.3	20.3	21.2	21.0	21.8	22.5
	4H	21.0	21.8	21.7	22.5	23.2	20.3	21.0	20.9	21.7	22.4
	6H	21.0	21.7	21.6	22.3	23.1	20.2	20.9	20.8	21.5	22.3
	8H	20.9	21.6	21.6	22.3	23.1	20.1	20.8	20.8	21.5	22.3
	12H	20.9	21.5	21.6	22.2	23.0	20.0	20.7	20.8	21.4	22.2
4H	2H	20.9	21.7	21.6	22.4	23.1	20.2	21.0	20.9	21.6	22.4
	3H	20.9	21.5	21.6	22.2	23.0	20.1	20.8	20.9	21.5	22.3
	4H	20.8	21.4	21.6	22.1	23.0	20.1	20.7	20.8	21.4	22.3
	6H	20.8	21.3	21.5	22.0	22.9	20.0	20.5	20.8	21.3	22.2
	8H	20.7	21.2	21.5	22.0	22.9	20.0	20.4	20.7	21.2	22.1
	12H	20.7	21.1	21.5	21.9	22.8	19.9	20.3	20.7	21.1	22.0
8H	4H	20.7	21.1	21.4	21.9	22.8	19.9	20.4	20.7	21.2	22.1
	6H	20.6	21.0	21.4	21.8	22.8	19.9	20.3	20.7	21.1	22.0
	8H	20.6	20.9	21.4	21.7	22.7	19.8	20.2	20.7	21.0	22.0
	12H	20.6	20.9	21.4	21.7	22.7	19.8	20.1	20.6	20.9	21.9
12H	4H	20.6	21.0	21.4	21.8	22.7	19.9	20.3	20.7	21.1	22.0
	6H	20.6	20.9	21.4	21.7	22.7	19.8	20.2	20.6	21.0	21.9
	8H	20.5	20.8	21.4	21.7	22.7	19.8	20.1	20.6	20.9	21.9
Variations with the observer position at spacings:											
S = 1.0H	+ 2.3 / - 4.8					+ 2.3 / - 4.9					
1.5H	+ 2.3 / - 4.5					+ 2.5 / - 5.2					
2.0H	+ 4.6 / - 4.2					+ 3.9 / - 3.5					

CIE Pub.117 Corrected 8382 lm Total Lamp Luminous Flux.(8log(F/F0) = 7.4)

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:0.4860A P:58.50W PF:0.9900 Freq:60.00Hz Lamp Flux:8382.12x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

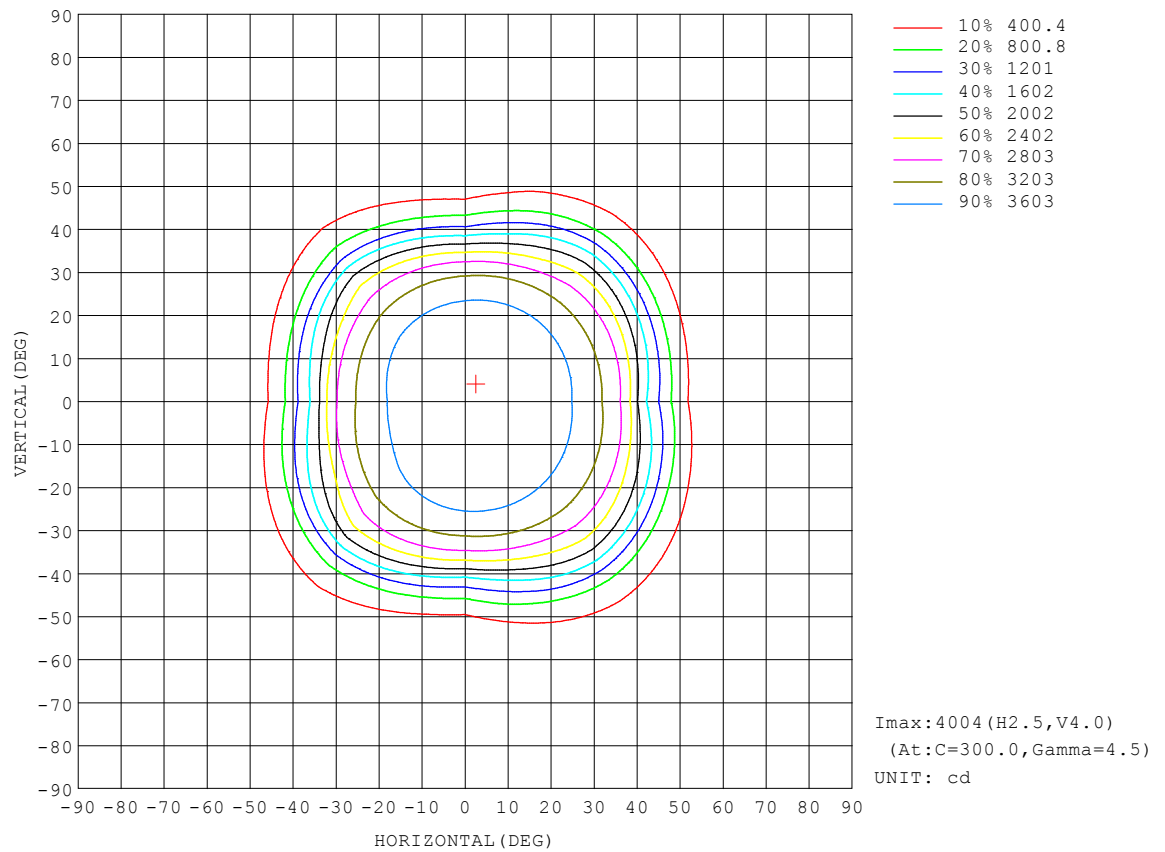
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	55	50	62	54	50	60	53	49	43
0.80	73	64	59	71	63	58	67	60	56	49
1.00	79	71	65	77	69	64	72	67	62	54
1.25	85	77	71	82	75	70	77	71	67	58
1.50	89	81	76	86	79	74	80	74	71	60
2.00	94	87	82	90	84	80	83	79	75	63
2.50	97	91	86	93	87	83	85	81	78	64
3.00	99	94	89	95	90	86	87	83	80	66
4.00	102	98	94	98	94	90	89	86	84	67
5.00	104	100	97	99	96	93	90	88	86	68
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:0.4860A P:58.50W PF:0.9900 Freq:60.00Hz Lamp Flux:8382.12x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

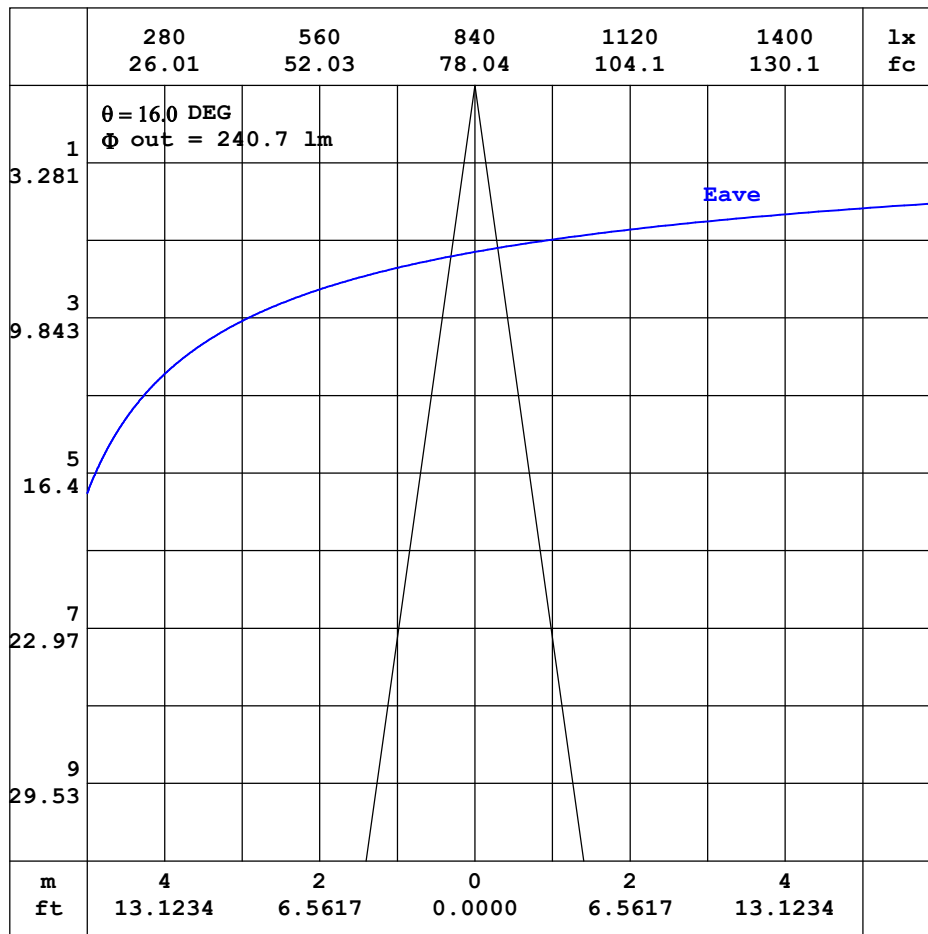


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.4860A P:58.50W PF:0.9900 Freq:60.00Hz Lamp Flux:8382.12x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



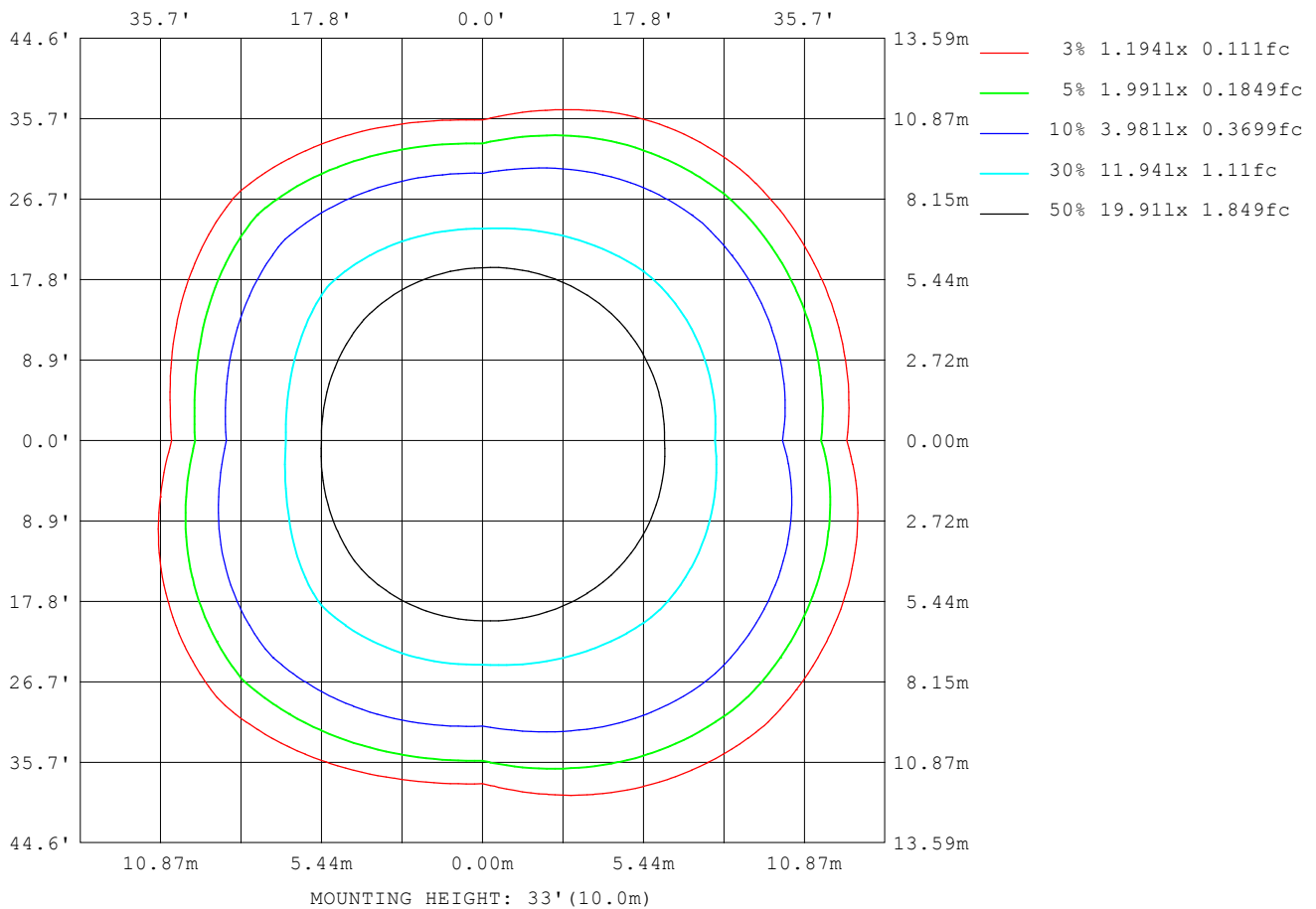
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.4860A P:58.50W PF:0.9900 Freq:60.00Hz Lamp Flux:8382.12x1 lm		
NAME: 4FT	TYPE:3500K 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:0.4860A P:58.50W PF:0.9900 Freq:60.00Hz Lamp Flux:8382.12x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

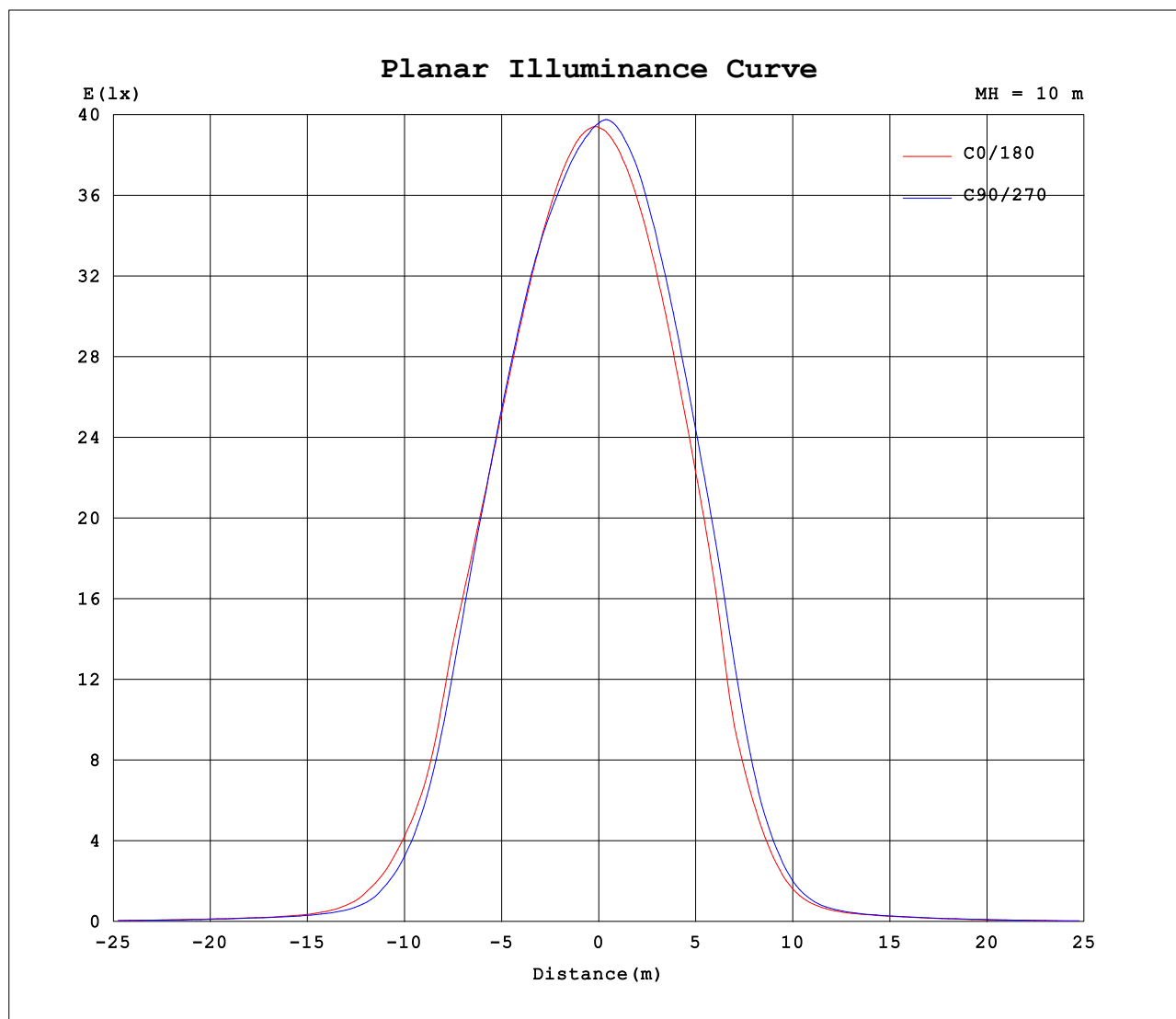
AvgL	cd/m2
L_0~180 (65) av	5760
L_0~180 (75) av	3722
L_0~180 (85) av	3627
L_90~270 (65) av	5670
L_90~270 (75) av	3441
L_90~270 (85) av	2248
L_45 (65) av	5767
L_45 (75) av	3679
L_45 (85) av	3049

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:0.4860A P:58.50W PF:0.9900 Freq:60.00Hz Lamp Flux:8382.12x1 lm																	
NAME: 4FT									TYPE:3500K 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	3937	3939	3940	3941	3943	3944	3945	3947	3948	3949	3950	3951	3952	3953	3954	3955	3956	3957	3959
5	3945	3941	3938	3934	3931	3928	3925	3922	3920	3917	3915	3913	3911	3909	3907	3906	3905	3903	3903
10	3919	3914	3909	3904	3900	3896	3892	3888	3885	3881	3879	3876	3874	3872	3870	3868	3866	3864	3862
15	3862	3855	3848	3843	3837	3833	3829	3826	3824	3823	3825	3828	3831	3834	3836	3839	3841	3842	3841
20	3761	3758	3756	3755	3754	3753	3753	3753	3754	3755	3761	3766	3771	3776	3781	3784	3786	3787	3786
25	3595	3604	3612	3619	3625	3631	3636	3639	3642	3644	3647	3648	3648	3647	3645	3642	3638	3632	3625
30	3323	3345	3363	3380	3393	3404	3413	3419	3422	3423	3417	3409	3399	3387	3374	3360	3345	3329	3313
35	2926	2966	3001	3030	3052	3069	3080	3085	3084	3077	3049	3017	2980	2941	2901	2860	2820	2782	2748
40	2022	2149	2260	2354	2431	2492	2536	2564	2575	2569	2501	2419	2328	2230	2130	2031	1935	1847	1770
45	1201	1355	1490	1604	1699	1773	1828	1862	1876	1870	1791	1696	1589	1474	1354	1235	1120	1012	917
50	572	670	755	827	886	933	967	988	996	991	939	877	808	733	655	578	503	434	372
55	249	297	339	375	405	429	447	459	465	466	445	419	389	357	324	291	258	228	201
60	173	189	203	215	225	233	239	243	245	245	239	231	222	212	202	191	181	171	162
65	146	147	148	149	150	150	150	150	149	149	147	145	143	141	139	137	134	132	130
70	107	107	106	106	106	105	105	104	103	102	101	99.6	98.2	96.6	95.0	93.4	91.8	90.1	88.5
75	64.8	65.3	65.7	65.9	66.0	65.9	65.6	65.2	64.6	63.9	62.7	61.3	59.8	58.3	56.7	55.1	53.5	51.9	50.4
80	35.7	36.0	36.3	36.5	36.6	36.6	36.4	36.2	35.9	35.5	34.7	33.9	33.0	32.1	31.1	30.1	29.2	28.2	27.3
85	26.7	25.7	24.8	23.9	23.0	22.1	21.2	20.4	19.6	18.8	18.0	17.2	16.4	15.7	15.0	14.3	13.7	13.2	12.6
90	64.9	60.4	56.0	51.8	47.6	43.6	39.7	35.9	32.3	28.7	25.0	21.3	17.9	14.6	11.6	8.82	6.34	4.17	2.33
95	147	143	139	134	128	123	116	110	103	95.4	84.2	72.8	61.4	50.5	40.1	30.5	22.0	14.9	9.39
100	219	214	209	204	197	190	182	174	165	155	138	121	105	88.8	74.1	61.1	50.3	42.1	37.1
105	275	272	268	263	257	250	242	233	224	213	193	173	153	134	117	102	88.9	79.6	74.3
110	332	331	329	325	320	314	306	297	287	276	253	230	207	185	165	147	132	121	115
115	400	399	397	393	388	381	373	363	352	339	314	288	262	238	215	195	178	166	158
120	475	471	467	461	453	445	434	423	409	395	368	340	312	286	261	240	222	208	201
125	543	537	529	520	510	498	486	472	457	441	412	384	355	328	303	282	264	250	243
130	613	601	587	574	559	544	528	511	494	476	447	419	391	365	341	320	303	291	284
135	663	646	629	612	594	576	558	540	522	503	475	448	422	397	375	356	341	330	325
140	685	666	648	630	611	593	575	557	539	521	496	471	447	426	406	390	377	368	363
145	686	668	651	633	616	599	582	565	549	533	511	490	470	452	436	422	411	404	400
150	670	654	639	624	609	595	581	567	554	540	523	506	490	475	462	451	443	437	434
155	642	630	618	607	596	585	575	564	554	544	531	519	507	496	486	478	472	468	466
160	613	605	597	589	582	574	567	560	553	546	538	529	521	513	507	501	497	494	493
165	587	583	578	573	568	564	560	555	551	547	542	537	532	528	524	521	518	517	516
170	567	565	562	560	558	556	554	552	550	548	545	543	541	539	537	536	534	534	534
175	555	554	553	552	552	551	550	550	549	549	548	547	547	546	546	546	546	546	546
180	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546

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:0.4860A P:58.50W PF:0.9900 Freq:60.00Hz Lamp Flux:8382.12x1 lm																	
NAME: 4FT									TYPE:3500K 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	3961	3962	3964	3966	3967	3968	3969	3970	3970	3967	3963	3959	3955	3951	3947	3944	3940	3937	3937
5	3902	3903	3903	3903	3903	3904	3904	3904	3905	3903	3901	3899	3897	3896	3895	3894	3894	3895	3901
10	3860	3857	3855	3852	3850	3847	3845	3843	3840	3836	3832	3828	3825	3823	3821	3820	3820	3822	3829
15	3834	3826	3817	3807	3796	3786	3775	3764	3754	3744	3736	3728	3721	3715	3711	3708	3706	3707	3715
20	3776	3764	3750	3735	3720	3703	3685	3668	3650	3630	3611	3593	3576	3561	3547	3536	3527	3521	3529
25	3616	3606	3594	3581	3566	3550	3532	3513	3492	3459	3426	3392	3359	3328	3299	3273	3251	3233	3239
30	3307	3300	3292	3283	3273	3260	3244	3225	3203	3152	3099	3045	2991	2938	2888	2843	2803	2770	2779
35	2757	2769	2781	2792	2800	2802	2798	2785	2761	2650	2530	2405	2279	2155	2037	1930	1836	1760	1803
40	1803	1847	1898	1952	2006	2057	2100	2132	2149	2039	1915	1782	1644	1506	1371	1245	1132	1037	1075
45	936	967	1008	1055	1104	1153	1197	1235	1261	1185	1099	1005	906	806	708	616	531	459	478
50	381	398	422	451	481	513	543	570	591	559	520	478	433	387	342	298	259	225	235
55	205	213	224	236	250	264	278	291	301	291	277	263	247	230	213	197	183	169	171
60	161	161	162	164	166	168	170	172	174	170	167	163	158	154	150	145	141	138	137
65	128	127	125	124	123	121	120	118	117	114	112	110	107	105	103	101	99.0	97.4	96.7
70	87.3	86.1	84.9	83.7	82.5	81.2	79.8	78.4	76.9	74.5	72.0	69.5	67.0	64.7	62.4	60.3	58.4	56.7	56.4
75	49.6	48.9	48.2	47.6	47.0	46.3	45.7	45.0	44.2	42.8	41.2	39.7	38.1	36.6	35.2	33.9	32.6	31.6	31.2
80	26.8	26.4	26.0	25.7	25.3	24.9	24.5	24.1	23.7	22.8	21.8	20.8	19.9	18.9	18.0	17.1	16.4	15.7	15.5
85	12.4	12.3	12.1	12.0	11.9	11.8	11.6	11.4	11.2	10.5	9.80	9.04	8.27	7.51	6.78	6.09	5.46	4.90	4.83
90	2.32	2.40	2.53	2.68	2.85	3.34	4.06	4.79	5.51	4.94	4.34	3.76	3.23	2.81	2.53	2.44	2.58	2.99	5.62
95	13.2	18.5	25.1	32.6	40.7	49.1	57.5	65.6	73.0	71.9	70.2	68.1	65.8	63.6	61.8	60.6	60.3	61.2	73.5
100	50.6	67.0	85.8	106	128	150	172	193	212	217	220	222	223	222	221	220	218	217	225
105	91.4	112	137	163	191	220	249	278	305	320	333	344	353	360	366	370	373	374	377
110	135	159	187	218	251	285	319	352	384	401	416	429	440	449	455	460	463	465	466
115	180	207	238	272	309	346	384	421	457	477	494	509	522	532	540	546	550	551	551
120	223	251	283	319	357	396	436	476	514	537	558	576	592	605	616	624	629	631	630
125	265	293	325	361	399	439	480	520	560	585	609	630	649	665	678	688	695	698	695
130	306	332	364	398	436	475	514	554	593	621	646	670	690	708	723	735	744	749	744
135	344	369	398	430	464	501	538	575	612	640	667	692	714	734	750	763	773	779	772
140	380	402	427	455	486	519	552	586	619	647	673	698	720	740	757	771	781	788	780
145	414	433	454	478	504	531	559	588	617	642	666	689	710	728	744	758	768	774	766
150	446	460	477	496	517	539	562	585	608	629	650	669	686	702	716	727	736	741	734
155	475	485	498	512	528	544	561	579	596	612	628	643	656	668	679	688	694	699	693
160	499	507	515	525	536	547	559	571	583	594	605	615	625	633	640	646	651	654	650
165	520	525	530	536	543	550	557	564	571	578	584	590	596	600	605	608	611	612	610
170	535	538	541	544	547	551	554	558	561	564	567	570	573	575	577	578	580	580	579
175	547	547	548	550	551	552	553	554	555	556	557	558	559	559	560	560	561	561	561
180	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546

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:0.4860A P:58.50W PF:0.9900 Freq:60.00Hz Lamp Flux:8382.12x1 lm		
NAME: 4FT	TYPE:3500K 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	3938	3939	3940	3941	3943	3945	3947	3949	3950	3951	3952	3953	3954	3955	3956	3957	3959	3961	3962
5	3906	3913	3920	3927	3934	3942	3950	3957	3962	3968	3972	3977	3981	3985	3988	3992	3994	3997	3999
10	3837	3846	3856	3867	3878	3889	3900	3911	3920	3928	3935	3943	3949	3955	3961	3966	3971	3975	3979
15	3725	3737	3749	3763	3777	3792	3806	3820	3831	3840	3850	3858	3866	3874	3881	3888	3894	3900	3905
20	3540	3554	3570	3587	3605	3624	3643	3662	3674	3685	3696	3706	3716	3725	3733	3741	3749	3758	3766
25	3251	3266	3284	3306	3329	3353	3378	3403	3417	3431	3444	3457	3469	3481	3492	3503	3514	3526	3538
30	2796	2818	2845	2877	2911	2946	2982	3018	3032	3044	3056	3066	3076	3086	3096	3106	3118	3139	3162
35	1863	1938	2023	2115	2211	2306	2398	2483	2480	2468	2450	2427	2403	2378	2356	2338	2326	2374	2429
40	1132	1203	1285	1372	1462	1551	1634	1707	1670	1623	1569	1512	1455	1402	1355	1319	1296	1381	1479
45	510	552	600	654	709	763	814	859	828	791	750	708	668	632	603	582	573	652	741
50	251	271	295	320	346	371	395	415	397	377	355	332	310	290	273	261	254	291	334
55	175	181	187	194	202	210	217	223	218	212	205	199	193	187	182	179	178	191	206
60	136	136	136	136	137	137	138	139	140	140	141	142	142	144	145	146	148	152	155
65	96.3	96.1	96.1	96.3	96.7	97.2	98.0	98.8	99.7	101	102	103	104	106	107	108	110	111	112
70	56.3	56.4	56.8	57.3	58.0	58.9	59.8	60.8	61.5	62.2	62.9	63.7	64.6	65.5	66.5	67.6	68.7	70.0	71.3
75	31.1	31.1	31.2	31.4	31.8	32.2	32.7	33.3	33.7	34.1	34.6	35.1	35.7	36.4	37.1	37.8	38.6	39.5	40.5
80	15.3	15.3	15.4	15.6	15.8	16.0	16.4	16.7	16.9	17.2	17.5	17.9	18.2	18.6	19.1	19.6	20.1	20.7	21.3
85	4.85	4.93	5.08	5.28	5.51	5.77	6.04	6.31	6.24	6.17	6.12	6.10	6.12	6.21	6.36	6.61	6.95	7.76	8.67
90	8.46	11.4	14.4	17.3	20.0	22.5	24.6	26.2	23.3	20.1	16.7	13.3	10.1	7.25	4.97	3.44	2.86	8.98	16.0
95	86.8	101	114	127	139	150	158	164	152	137	120	103	84.8	67.3	50.9	36.3	24.1	30.5	39.6
100	234	242	249	256	261	264	265	263	242	218	194	168	143	118	95.6	75.5	58.8	65.1	75.0
105	378	378	375	372	366	358	348	335	308	279	249	219	190	163	137	116	97.7	105	116
110	467	465	461	455	447	437	424	408	377	344	310	276	243	212	183	159	138	147	159
115	550	546	539	531	520	506	490	471	437	400	363	327	291	258	227	201	180	189	203
120	626	619	610	598	584	567	547	525	488	450	411	372	335	301	270	243	222	233	248
125	689	680	667	652	635	614	592	567	529	490	451	413	376	342	312	286	265	276	293
130	735	723	708	690	669	646	621	594	557	519	481	445	410	378	349	325	307	318	334
135	761	747	729	709	687	662	635	607	573	538	503	470	439	410	385	364	348	358	373
140	768	752	734	713	689	664	638	611	580	550	520	491	464	440	419	402	389	397	409
145	754	739	722	702	680	657	632	607	582	556	531	508	486	466	449	435	425	431	441
150	724	711	696	678	660	640	620	599	579	559	540	522	505	490	477	466	458	463	470
155	685	675	663	650	635	620	604	589	574	560	546	533	521	511	501	494	489	492	497
160	644	637	629	619	609	599	588	578	568	559	550	541	534	527	521	516	513	515	518
165	606	602	597	592	586	580	574	567	562	557	552	547	543	539	536	534	532	533	534
170	578	576	573	571	568	565	563	560	557	555	553	551	549	548	546	545	544	544	545
175	560	559	559	558	557	556	555	554	554	553	553	552	552	552	551	551	551	551	551
180	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546

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:0.4860A P:58.50W PF:0.9900 Freq:60.00Hz Lamp Flux:8382.12x1 lm																	
NAME: 4FT									TYPE:3500K 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	3964	3966	3967	3968	3969	3970	3970	3968	3966	3964	3961	3957	3953	3948	3943				
5	4001	4003	4004	4004	4003	4002	4000	3997	3993	3989	3983	3977	3970	3962	3954				
10	3981	3984	3985	3986	3986	3984	3983	3979	3975	3970	3964	3956	3948	3939	3929				
15	3910	3915	3918	3921	3922	3923	3923	3920	3917	3912	3907	3900	3892	3883	3873				
20	3774	3782	3788	3794	3799	3802	3805	3805	3804	3801	3798	3793	3787	3779	3771				
25	3550	3561	3572	3581	3590	3598	3604	3608	3611	3612	3612	3611	3609	3606	3601				
30	3184	3207	3230	3252	3272	3292	3309	3319	3328	3333	3337	3339	3338	3335	3330				
35	2489	2553	2620	2686	2752	2814	2873	2903	2927	2945	2957	2963	2963	2957	2944				
40	1588	1703	1820	1937	2050	2156	2250	2283	2301	2305	2295	2269	2229	2175	2106				
45	839	941	1046	1149	1248	1340	1422	1450	1465	1467	1456	1431	1394	1343	1278				
50	381	430	481	531	580	625	666	680	689	691	686	676	659	636	607				
55	222	239	256	272	288	302	314	317	317	315	310	303	293	281	266				
60	159	163	167	171	174	177	180	181	182	182	182	181	180	178	176				
65	114	115	117	118	120	121	123	125	127	130	132	135	137	140	143				
70	72.7	74.2	75.8	77.5	79.3	81.2	83.2	85.4	87.6	90.0	92.5	95.1	97.8	101	104				
75	41.5	42.6	43.7	45.0	46.2	47.6	49.0	50.5	52.0	53.7	55.3	57.1	58.9	60.8	62.8				
80	22.0	22.7	23.4	24.2	25.0	25.9	26.7	27.6	28.5	29.5	30.4	31.4	32.4	33.5	34.6				
85	9.67	10.7	11.9	13.1	14.3	15.5	16.8	17.9	19.0	20.1	21.2	22.3	23.4	24.5	25.6				
90	23.7	31.9	40.2	48.6	56.7	64.4	71.3	74.3	76.4	77.5	77.7	77.0	75.3	72.8	69.3				
95	50.7	63.6	77.6	92.3	107	122	136	142	147	151	153	154	154	153	151				
100	87.8	103	120	138	156	175	192	201	208	213	217	220	222	222	221				
105	131	148	168	188	210	231	251	260	267	273	277	280	281	280	278				
110	176	196	217	241	264	288	311	320	328	335	339	341	342	340	337				
115	221	242	266	292	318	344	369	380	390	397	402	406	407	407	405				
120	269	293	319	347	376	405	432	445	456	465	472	476	479	480	478				
125	314	339	367	396	426	456	485	499	512	522	531	537	542	544	545				
130	355	380	407	436	467	497	526	543	557	570	581	591	599	605	610				
135	392	414	439	466	494	523	551	568	584	598	612	624	636	646	655				
140	425	444	466	489	513	538	564	580	595	610	624	638	650	663	674				
145	454	469	487	506	527	548	569	583	597	611	624	637	650	663	675				
150	480	492	505	520	536	552	569	580	592	603	615	626	637	648	659				
155	504	512	521	532	543	555	566	575	583	592	600	609	617	625	633				
160	522	527	533	540	547	554	562	567	573	579	584	590	596	601	607				
165	536	539	542	545	549	553	557	560	563	567	570	573	577	580	584				
170	546	546	548	549	550	552	553	555	556	558	559	561	562	564	565				
175	551	551	551	551	551	551	552	552	552	552	553	553	554	554	555				
180	546	546	546	546	546	546	546	546	546	546	546	546	546	546	546				

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: