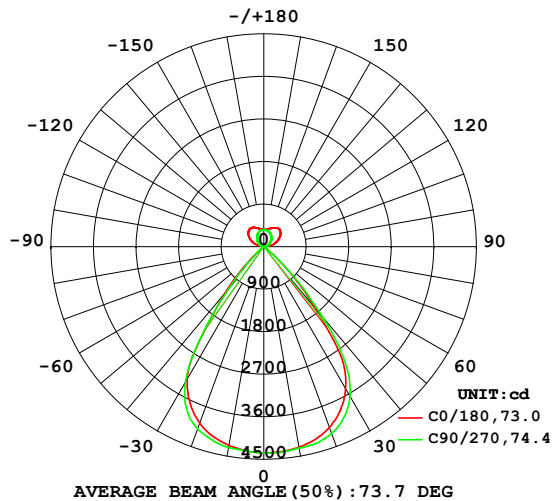


LUMINAIRE PHOTOMETRIC TEST REPORT

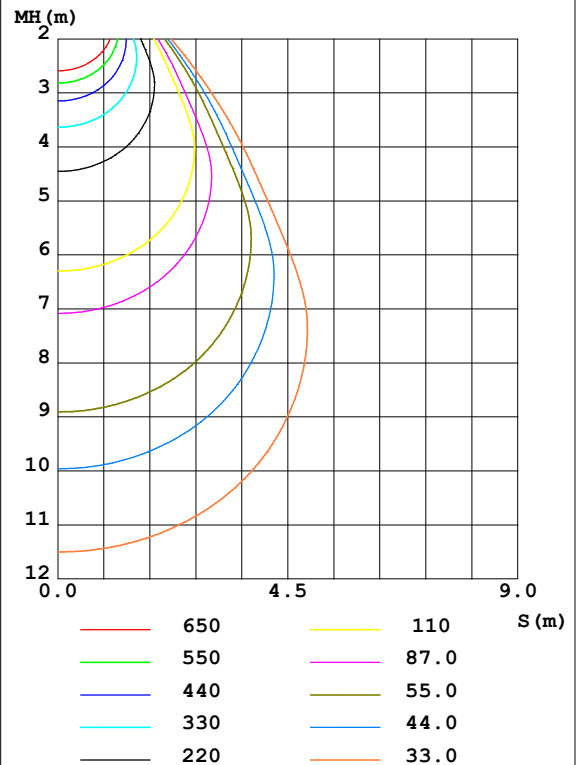
Test:U:120.5V I:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7570.46x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.34 lm/W			
MODEL		Imax(cd)	4370	S/MH(C0/180)	1.10
NOMINAL POWER(W)	60W	LOR(%)	100.0	S/MH(C90/270)	1.03
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	7570.5	η UP,DN(C0-180)	10.0,42.5
NOMINAL FLUX(lm)	7570.46	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	10.1,37.4
LAMPS INSIDE	1	η up(%)	20.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	79.9	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	4306	4316	4327	4311	4268	4267	4313	4292	0- 10	413.4	413.4	5.46,5.46
20	4068	4165	4204	4136	3972	4017	4103	4065	10- 20	1192	1605	21.2,21.2
30	3464	3671	3649	3641	3244	3374	3320	3468	20- 30	1767	3372	44.5,44.5
40	1666	2595	1930	2518	1255	1990	1132	2092	30- 40	1728	5100	67.4,67.4
50	235.9	749.2	246.9	642.4	96.97	329.2	58.64	367.6	40- 50	803.7	5904	78,78
60	13.14	72.77	16.12	58.85	12.94	17.32	10.86	20.82	50- 60	118.1	6022	79.5,79.5
70	7.454	9.175	10.42	9.795	7.333	7.164	7.061	6.803	60- 70	13.00	6035	79.7,79.7
80	4.011	5.745	6.317	6.234	3.893	4.409	4.093	4.273	70- 80	6.776	6042	79.8,79.8
90	7.745	3.799	3.227	4.140	2.142	3.434	0.1145	9.523	80- 90	4.283	6046	79.9,79.9
100	140.5	128.6	25.49	82.44	45.54	110.0	29.76	140.6	90-100	40.06	6086	80.4,80.4
110	273.1	222.0	77.60	210.6	233.3	218.6	80.96	228.0	100-110	150.8	6237	82.4,82.4
120	379.2	297.7	130.9	306.7	343.9	304.6	133.9	305.5	110-120	232.9	6470	85.5,85.5
130	461.5	344.4	188.2	371.6	434.8	362.2	187.7	360.5	120-130	275.8	6746	89.1,89.1
140	494.2	363.0	242.3	399.3	482.3	386.4	242.0	378.6	130-140	275.8	7021	92.7,92.7
150	465.8	365.2	290.4	397.1	470.7	386.0	291.4	375.6	140-150	236.4	7258	95.9,95.9
160	412.9	361.9	328.3	381.4	422.0	375.3	330.7	367.5	150-160	173.8	7432	98.2,98.2
170	374.7	359.9	352.2	367.8	378.1	366.2	354.6	362.5	160-170	104.3	7536	99.5,99.5
180	356.1	356.1	356.1	356.1	356.1	356.1	356.1	356.1	170-180	34.67	7570	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:

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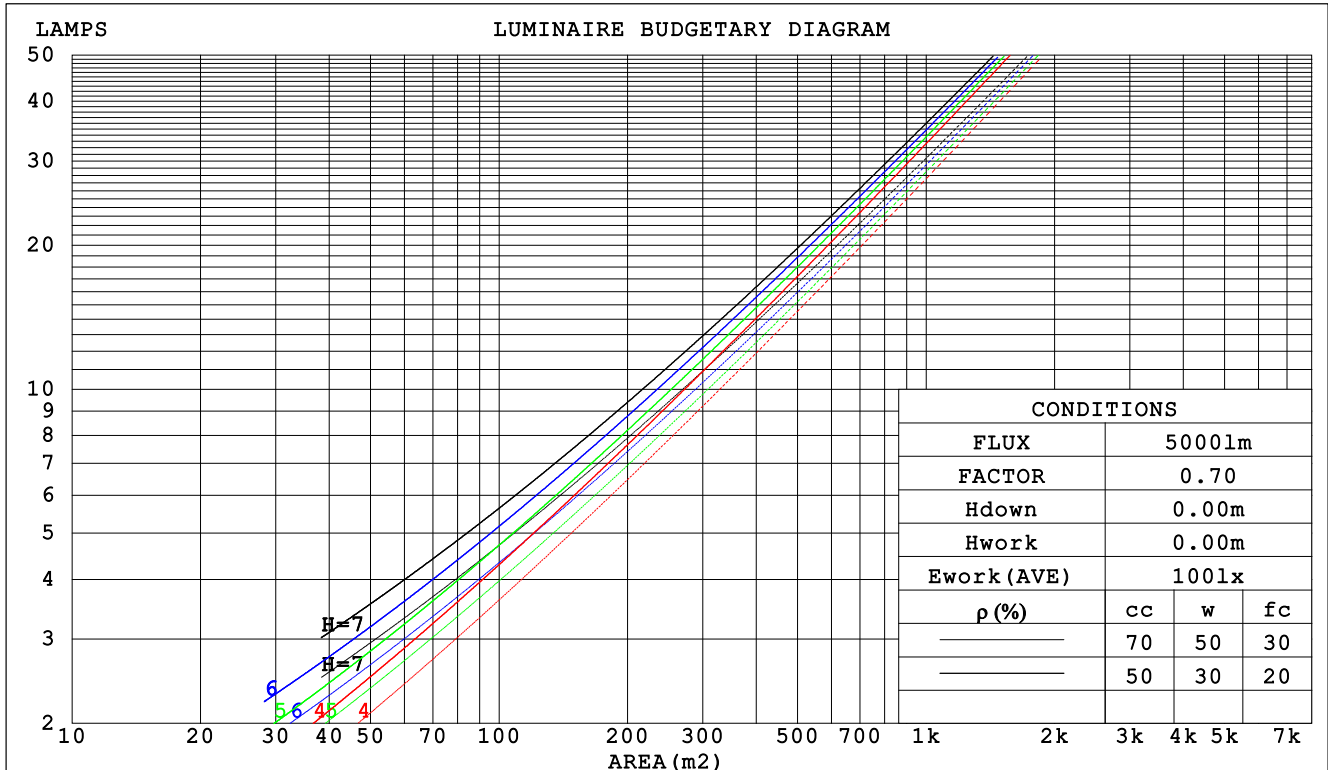
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.5V I:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7570.46x1 lm		
NAME: 4FT	TYPE:3500K 2.8	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	1.14	1.14	1.14	1.09	1.09	1.09	.00	.00	.00	.91	.91	.91	.84	.84	.84	.80
1.0	1.04	1.02	.99	1.00	.98	.95	.93	.91	.89	.85	.84	.83	.79	.78	.77	.74
2.0	.95	.91	.87	.92	.88	.84	.85	.82	.79	.79	.77	.75	.74	.72	.70	.67
3.0	.87	.82	.77	.84	.79	.75	.79	.75	.71	.74	.70	.68	.69	.66	.64	.62
4.0	.80	.74	.69	.77	.72	.67	.73	.68	.64	.68	.65	.61	.64	.61	.59	.56
5.0	.74	.67	.62	.71	.65	.61	.67	.62	.58	.63	.59	.56	.60	.56	.54	.52
6.0	.68	.61	.56	.66	.60	.55	.62	.57	.53	.59	.55	.51	.56	.52	.49	.47
7.0	.63	.56	.51	.61	.55	.50	.58	.52	.49	.55	.50	.47	.52	.48	.45	.44
8.0	.58	.51	.47	.57	.50	.46	.54	.48	.45	.51	.47	.43	.49	.45	.42	.40
9.0	.54	.47	.43	.53	.47	.42	.50	.45	.41	.48	.43	.40	.46	.42	.39	.37
10.0	.50	.44	.40	.49	.43	.39	.47	.42	.38	.45	.40	.37	.43	.39	.36	.34



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:120.5V I:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7570.46x1 lm					
NAME: 4FT			TYPE:3500K 2.8		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	.207	.118	.037	.194	.111	.035	.170	.097	.031	.148	.085	.027	.127	.074	.024		
2.0	.198	.108	.033	.186	.103	.032	.165	.092	.028	.145	.081	.026	.127	.072	.023		
3.0	.188	.100	.030	.178	.095	.029	.159	.086	.026	.141	.077	.024	.124	.069	.021		
4.0	.179	.093	.027	.169	.089	.026	.152	.081	.024	.136	.073	.022	.121	.066	.020		
5.0	.170	.086	.025	.161	.083	.024	.146	.076	.022	.131	.069	.021	.117	.063	.019		
6.0	.161	.081	.023	.154	.078	.022	.139	.071	.021	.126	.065	.019	.113	.060	.018		
7.0	.153	.076	.022	.146	.073	.021	.133	.067	.019	.121	.062	.018	.109	.057	.017		
8.0	.146	.071	.020	.140	.069	.019	.127	.064	.018	.116	.059	.017	.105	.054	.016		
9.0	.139	.067	.019	.133	.065	.018	.122	.060	.017	.111	.056	.016	.101	.051	.015		
10.0	.133	.064	.018	.127	.062	.017	.117	.057	.016	.107	.053	.015	.098	.049	.014		

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	.344	.344	.344	.294	.294	.294	.201	.201	.201	.115	.115	.115	.037	.037	.037	
1.0	.328	.312	.297	.281	.268	.256	.192	.184	.177	.110	.107	.103	.035	.034	.033	
2.0	.315	.288	.265	.270	.248	.229	.185	.172	.160	.107	.100	.094	.034	.032	.031	
3.0	.305	.270	.242	.262	.233	.210	.180	.162	.147	.104	.095	.087	.033	.031	.028	
4.0	.297	.257	.226	.255	.222	.196	.175	.155	.138	.101	.091	.082	.033	.029	.027	
5.0	.289	.246	.214	.248	.213	.186	.171	.149	.131	.099	.087	.078	.032	.028	.026	
6.0	.283	.237	.205	.243	.206	.178	.168	.144	.126	.097	.085	.075	.031	.028	.025	
7.0	.277	.231	.198	.238	.200	.173	.165	.140	.122	.096	.083	.073	.031	.027	.024	
8.0	.272	.225	.193	.234	.195	.168	.162	.137	.119	.094	.081	.071	.030	.026	.024	
9.0	.267	.220	.189	.230	.191	.164	.159	.134	.117	.093	.079	.070	.030	.026	.023	
10.0	.262	.216	.185	.226	.188	.162	.157	.132	.115	.091	.078	.069	.030	.026	.023	

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:120.5V I:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7570.46x1 lm										
NAME: 4FT					TYPE:3500K 2.8			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	20.7	21.7	21.2	22.1	22.7	20.5	21.5	21.0	21.9	22.5
3H	20.5	21.3	21.0	21.8	22.4	20.3	21.1	20.8	21.6	22.2
4H	20.3	21.1	20.9	21.7	22.3	20.2	20.9	20.7	21.5	22.1
6H	20.2	20.9	20.8	21.5	22.1	20.0	20.8	20.6	21.3	21.9
8H	20.1	20.8	20.7	21.4	22.1	20.0	20.7	20.6	21.2	21.9
12H	20.1	20.7	20.7	21.3	22.0	19.9	20.6	20.5	21.1	21.8
4H 2H	20.4	21.1	20.9	21.7	22.3	20.2	21.0	20.7	21.5	22.1
3H	20.1	20.8	20.7	21.3	22.0	19.9	20.6	20.5	21.2	21.8
4H	20.0	20.6	20.6	21.2	21.9	19.8	20.4	20.4	21.0	21.7
6H	19.8	20.3	20.5	21.0	21.7	19.6	20.2	20.3	20.8	21.5
8H	19.7	20.2	20.4	20.9	21.6	19.6	20.1	20.3	20.7	21.5
12H	19.7	20.1	20.4	20.8	21.6	19.5	19.9	20.2	20.6	21.4
8H 4H	19.7	20.2	20.4	20.9	21.6	19.6	20.1	20.3	20.7	21.5
6H	19.6	20.0	20.3	20.7	21.5	19.4	19.8	20.1	20.5	21.3
8H	19.5	19.9	20.3	20.6	21.4	19.4	19.7	20.1	20.4	21.3
12H	19.5	19.7	20.2	20.5	21.3	19.3	19.6	20.0	20.3	21.2
12H 4H	19.7	20.1	20.4	20.8	21.6	19.5	19.9	20.2	20.6	21.4
6H	19.5	19.9	20.3	20.6	21.4	19.4	19.7	20.1	20.4	21.2
8H	19.5	19.7	20.2	20.5	21.3	19.3	19.6	20.0	20.3	21.2
Variations with the observer position at spacings:										
S = 1.0H	+ 3.1 / -16.6					+ 2.7 / -16.3				
1.5H	+ 3.3 / -12.1					+ 3.6 / -11.5				
2.0H	+ 6.4 / -16.5					+ 6.2 / -14.2				

CIE Pub.117 Corrected 7570 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:
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:120.5V I:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7570.46x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

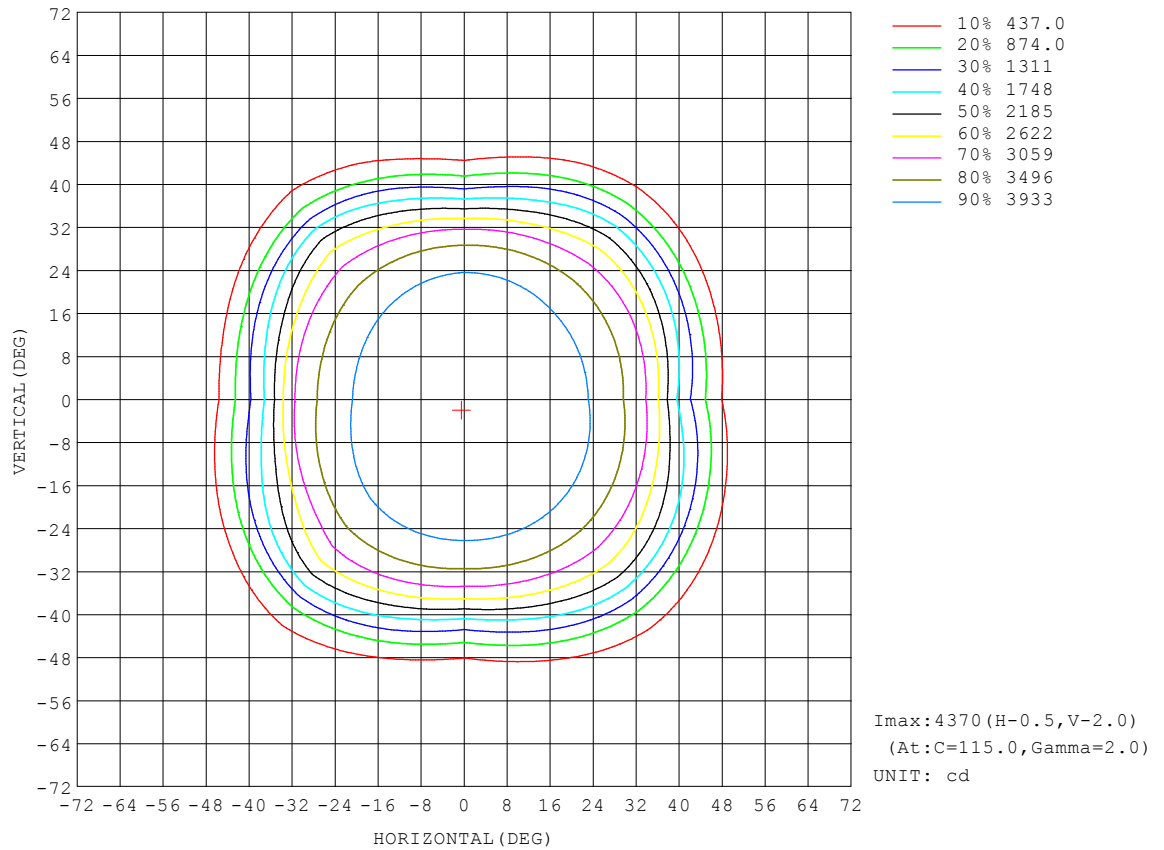
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	71	63	58	70	62	58	68	61	57	52
0.80	80	72	67	78	71	66	75	69	65	59
1.00	86	78	73	84	77	72	80	75	71	64
1.25	91	84	79	89	82	78	84	79	76	68
1.50	95	88	83	92	86	82	87	82	79	70
2.00	99	93	89	96	91	87	90	86	83	73
2.50	101	96	92	98	93	90	92	88	85	74
3.00	103	99	95	100	96	92	93	90	88	75
4.00	106	102	99	102	99	96	95	92	90	77
5.00	108	104	102	103	101	98	96	94	92	77
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:120.5V I:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7570.46x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

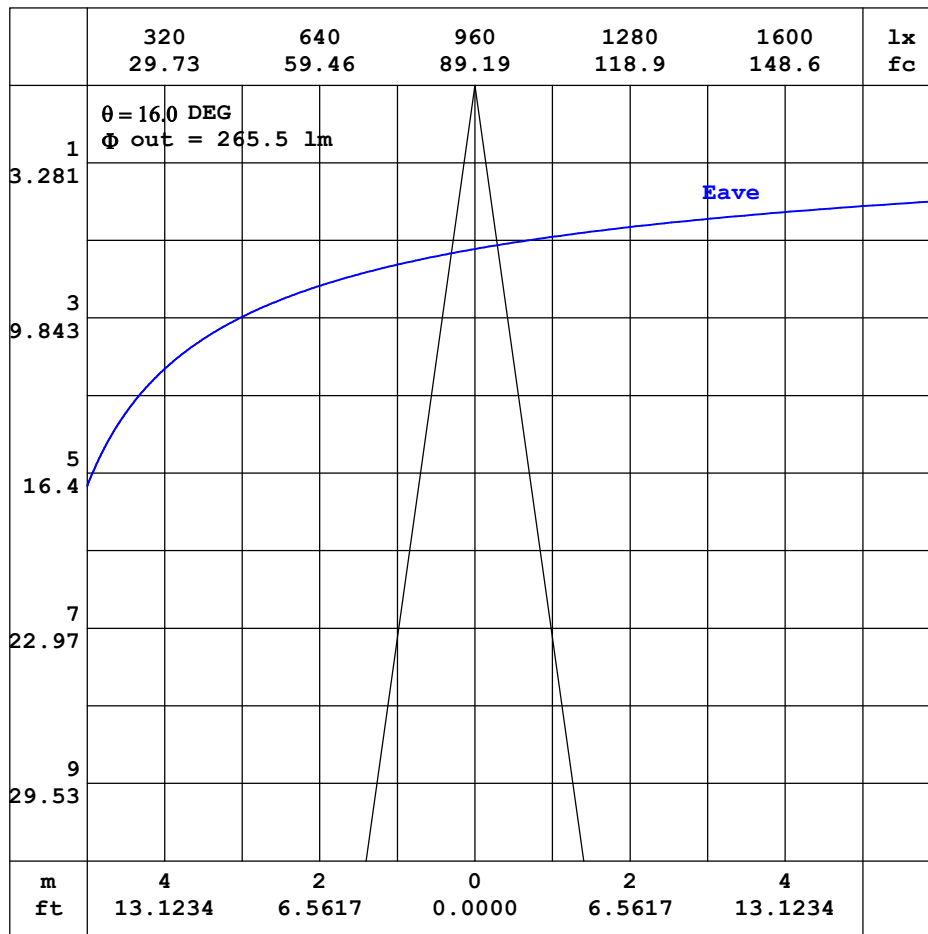


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.5V I:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7570.46x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



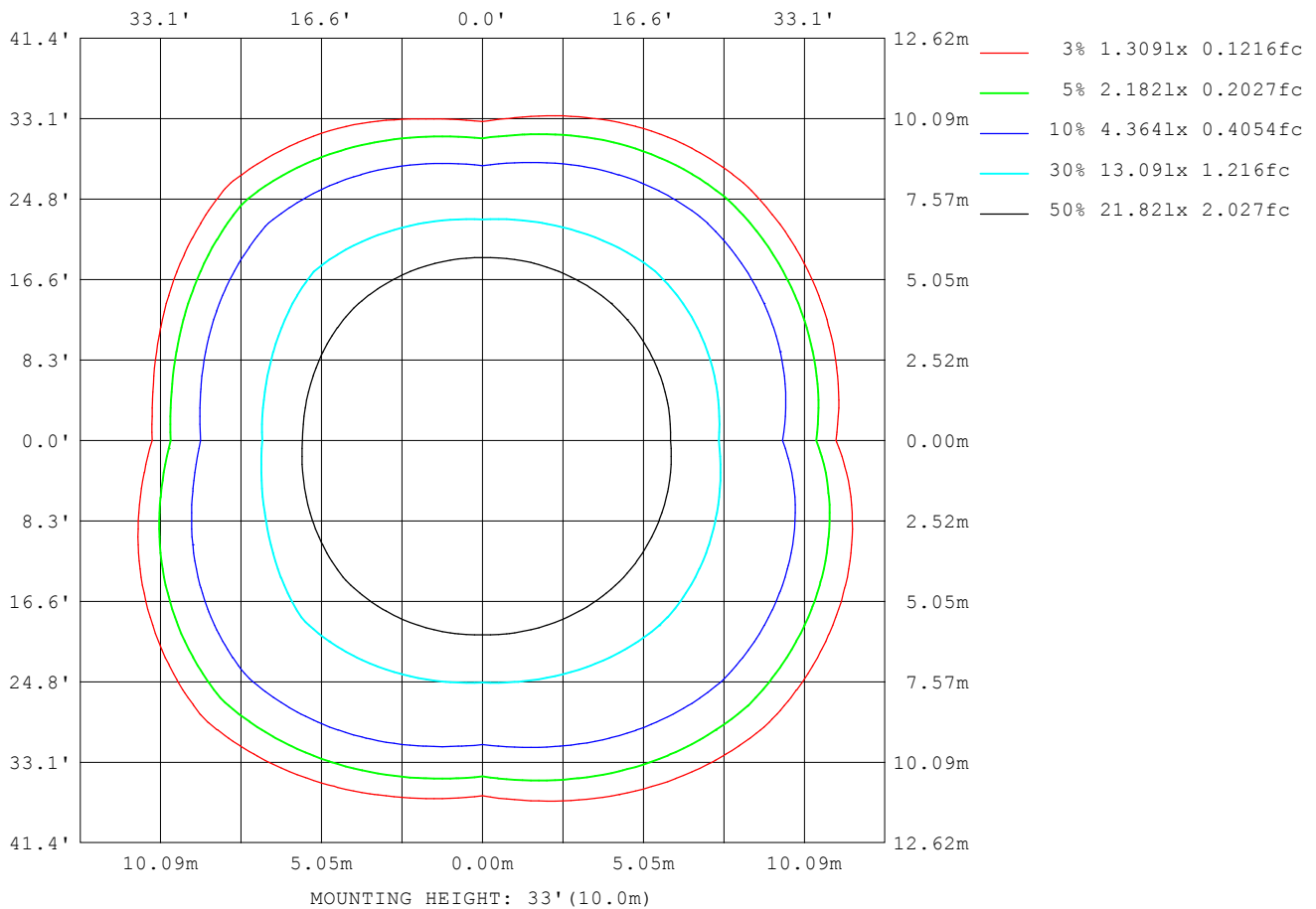
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.5V I:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7570.46x1 lm		
NAME: 4FT	TYPE:3500K 2.8	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:120.5V I:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7570.46x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

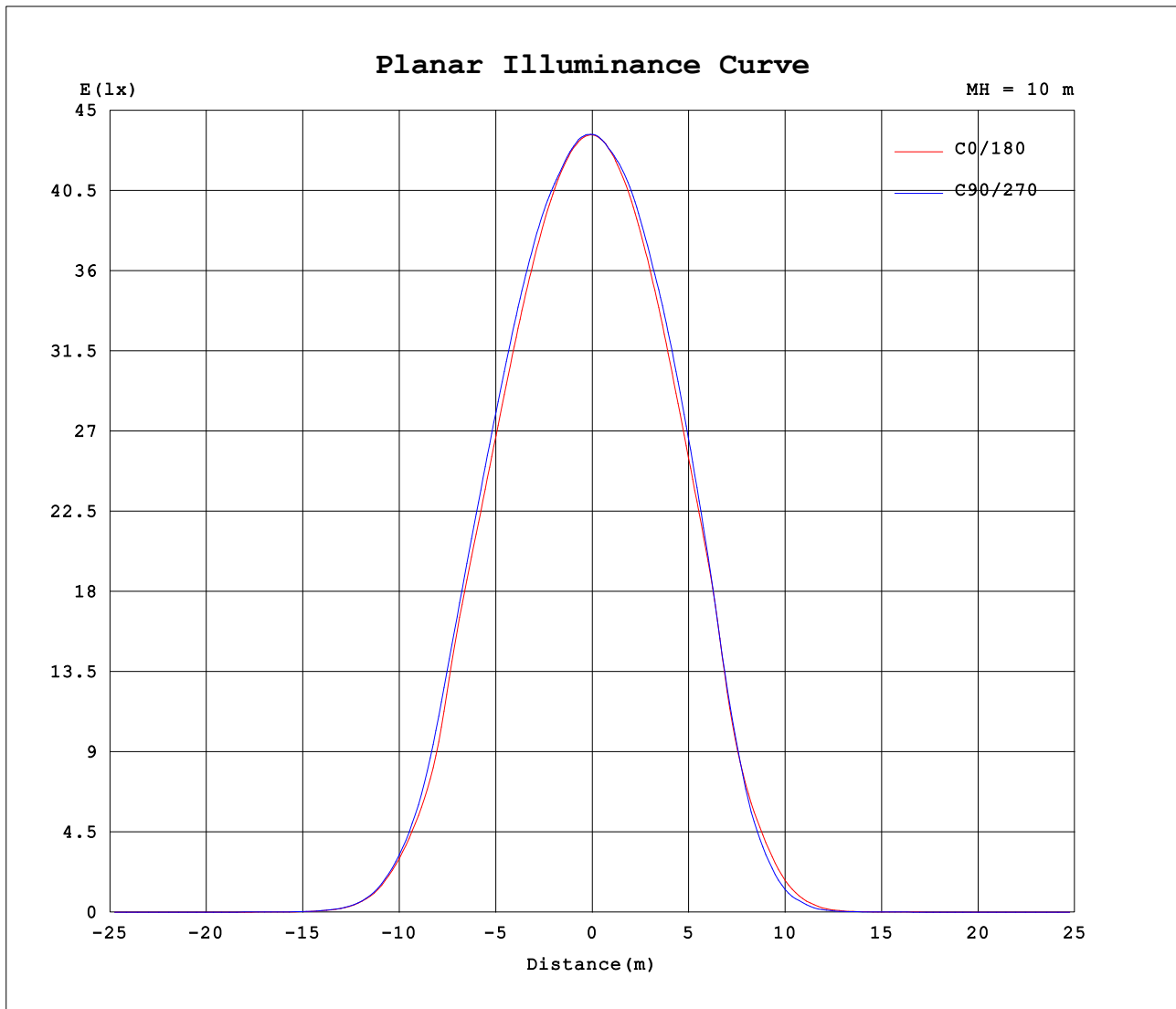
AvgL	cd/m2
L_0~180 (65) av	458
L_0~180 (75) av	424
L_0~180 (85) av	648
L_90~270 (65) av	511
L_90~270 (75) av	530
L_90~270 (85) av	908
L_45 (65) av	515
L_45 (75) av	504
L_45 (85) av	975

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:120.5V I:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7570.46x1 lm																	
NAME: 4FT									TYPE:3500K 2.8						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	4362	4363	4363	4363	4363	4363	4363	4363	4363	4363	4364	4364	4364	4364	4364	4364	4364	4364	4365
5	4352	4353	4354	4355	4356	4357	4358	4359	4359	4360	4361	4361	4361	4362	4362	4362	4362	4362	4362
10	4306	4307	4308	4310	4311	4312	4313	4314	4315	4316	4318	4319	4321	4322	4324	4325	4326	4326	4327
15	4219	4222	4225	4228	4232	4236	4240	4244	4249	4253	4261	4268	4275	4282	4289	4294	4299	4303	4305
20	4068	4082	4095	4107	4119	4129	4139	4149	4157	4165	4173	4181	4187	4192	4197	4200	4203	4204	4204
25	3827	3850	3871	3891	3909	3926	3941	3955	3967	3977	3986	3992	3998	4002	4004	4006	4006	4005	4002
30	3464	3499	3530	3559	3585	3608	3628	3645	3660	3671	3676	3677	3677	3675	3671	3667	3661	3655	3649
35	2872	2938	2997	3049	3094	3133	3164	3189	3208	3219	3207	3190	3168	3144	3117	3091	3064	3040	3019
40	1666	1848	2010	2153	2275	2379	2462	2526	2570	2595	2547	2484	2410	2327	2240	2153	2070	1994	1930
45	854	1035	1194	1333	1451	1548	1625	1680	1714	1728	1662	1580	1486	1383	1278	1174	1075	986	911
50	236	343	438	520	589	646	691	723	742	749	709	658	600	538	473	409	348	293	247
55	35.9	84.2	127	164	195	221	241	256	264	267	249	226	200	172	143	114	86.6	62.0	41.2
60	13.1	25.5	36.4	45.9	54.0	60.6	65.8	69.6	71.9	72.8	68.3	62.6	56.2	49.1	41.9	34.6	27.7	21.5	16.1
65	9.64	10.3	10.9	11.4	11.9	12.3	12.7	13.0	13.2	13.4	13.5	13.5	13.5	13.4	13.3	13.2	13.1	12.9	12.8
70	7.45	7.67	7.88	8.08	8.28	8.47	8.65	8.83	9.01	9.18	9.36	9.54	9.71	9.87	10.0	10.1	10.3	10.3	10.4
75	5.53	5.77	6.00	6.21	6.42	6.62	6.81	6.98	7.15	7.31	7.47	7.62	7.76	7.89	8.00	8.10	8.18	8.25	8.29
80	4.01	4.26	4.50	4.72	4.92	5.12	5.30	5.46	5.61	5.74	5.86	5.95	6.04	6.11	6.17	6.22	6.26	6.30	6.32
85	2.82	3.10	3.35	3.59	3.80	4.00	4.17	4.33	4.46	4.57	4.63	4.67	4.69	4.70	4.70	4.69	4.68	4.67	4.66
90	7.74	7.14	6.58	6.05	5.57	5.14	4.74	4.38	4.07	3.80	3.60	3.45	3.38	3.37	3.36	3.33	3.29	3.25	3.23
95	49.0	52.1	54.6	56.3	57.5	58.0	57.8	57.0	55.5	53.4	48.5	43.2	37.5	31.6	25.7	20.0	14.5	9.48	5.06
100	140	144	146	147	146	145	143	139	134	129	117	105	92.0	79.1	66.5	54.5	43.4	33.6	25.5
105	224	222	220	216	212	206	200	193	185	176	160	144	127	111	96.1	82.1	69.6	59.2	51.3
110	273	272	270	266	262	256	249	241	232	222	204	185	166	147	130	113	98.8	86.7	77.6
115	327	324	321	317	311	304	296	287	276	264	244	222	201	180	161	143	127	114	104
120	379	374	368	361	353	344	334	323	311	298	276	253	230	209	188	170	153	140	131
125	426	418	409	399	389	377	365	353	339	325	302	279	256	235	215	197	181	169	160
130	461	450	439	427	414	401	388	374	359	344	322	300	278	257	238	221	207	196	188
135	486	472	458	444	430	416	401	387	372	357	336	315	295	276	259	244	231	222	216
140	494	479	464	449	435	420	406	391	377	363	344	326	308	292	278	265	255	247	242
145	486	472	457	443	430	416	403	390	378	365	350	334	320	307	295	285	277	271	267
150	466	453	441	429	418	407	396	385	375	365	353	341	330	320	310	303	297	293	290
155	439	429	420	411	403	394	386	378	371	364	355	346	338	331	324	319	315	312	311
160	413	406	400	394	388	382	377	372	367	362	356	351	345	341	337	333	331	329	328
165	391	387	383	379	376	373	369	366	363	361	357	354	351	349	346	345	343	342	342
170	375	373	371	369	367	366	364	363	361	360	358	357	356	355	354	353	352	352	352
175	366	365	364	364	363	362	362	361	361	360	360	360	359	359	359	359	359	359	359
180	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356

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:120.5V I:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7570.46x1 lm																		
NAME: 4FT									TYPE:3500K 2.8					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	4365	4365	4365	4366	4366	4366	4366	4366	4366	4366	4366	4365	4365	4364	4364	4363	4363	4362	4362
5	4362	4362	4362	4361	4361	4360	4359	4358	4357	4354	4352	4349	4346	4343	4340	4337	4334	4332	4331
10	4326	4325	4324	4323	4321	4319	4316	4314	4311	4306	4301	4296	4291	4286	4281	4276	4272	4268	4266
15	4301	4295	4289	4281	4272	4263	4253	4243	4232	4222	4212	4202	4192	4183	4174	4167	4160	4154	4153
20	4201	4197	4192	4186	4178	4170	4160	4148	4136	4117	4097	4077	4057	4037	4018	4001	3985	3972	3970
25	4002	4000	3997	3992	3985	3977	3967	3954	3940	3911	3880	3848	3817	3785	3755	3727	3701	3679	3677
30	3655	3660	3665	3668	3669	3667	3662	3654	3641	3600	3554	3507	3458	3410	3363	3319	3279	3244	3246
35	3045	3074	3103	3131	3155	3174	3185	3187	3177	3081	2975	2862	2747	2632	2521	2419	2327	2251	2287
40	1990	2062	2140	2221	2300	2374	2438	2487	2518	2398	2262	2112	1956	1799	1644	1499	1367	1255	1304
45	974	1050	1137	1228	1320	1408	1488	1554	1603	1510	1398	1274	1142	1005	869	738	616	509	524
50	280	322	370	421	473	524	571	611	642	597	542	480	414	346	277	211	151	97.0	108
55	56.1	74.8	96.5	120	144	168	190	209	225	209	189	166	141	115	88.3	62.8	38.8	17.5	20.2
60	19.4	23.6	28.6	34.0	39.6	45.2	50.4	55.0	58.8	55.6	51.4	46.5	41.1	35.4	29.5	23.7	18.1	12.9	12.1
65	12.8	12.8	12.8	12.9	12.9	12.8	12.8	12.7	12.6	12.4	12.0	11.7	11.4	11.0	10.7	10.3	10.0	9.70	9.54
70	10.4	10.4	10.4	10.4	10.3	10.2	10.1	9.96	9.79	9.54	9.26	8.97	8.68	8.39	8.10	7.83	7.57	7.33	7.24
75	8.32	8.32	8.31	8.28	8.22	8.15	8.05	7.93	7.79	7.54	7.27	6.99	6.71	6.43	6.15	5.89	5.65	5.43	5.38
80	6.37	6.41	6.44	6.46	6.45	6.43	6.39	6.33	6.23	5.99	5.73	5.45	5.17	4.88	4.61	4.35	4.11	3.89	3.88
85	4.74	4.82	4.89	4.96	5.01	5.05	5.07	5.06	5.03	4.81	4.56	4.30	4.03	3.76	3.50	3.25	3.02	2.83	2.85
90	3.34	3.46	3.58	3.71	3.83	3.94	4.03	4.10	4.14	3.95	3.73	3.49	3.24	2.99	2.75	2.52	2.31	2.14	2.27
95	5.11	5.79	6.99	8.59	10.5	12.5	14.6	16.5	18.3	16.9	15.2	13.4	11.6	9.76	8.09	6.66	5.56	4.89	7.70
100	28.6	33.3	39.2	46.1	53.6	61.3	69.0	76.1	82.4	79.4	75.5	70.9	66.0	61.0	56.2	51.9	48.2	45.5	52.2
105	58.6	68.4	80.0	93.0	107	121	135	148	160	160	158	155	152	147	143	138	134	130	136
110	85.8	96.8	110	125	142	159	177	194	211	217	223	227	230	232	233	234	234	233	235
115	114	127	143	161	181	201	222	242	261	269	276	281	285	288	290	291	291	290	291
120	142	157	175	195	217	240	263	285	307	316	325	331	337	340	343	344	345	344	344
125	172	188	206	227	250	273	297	321	343	355	365	374	381	386	390	393	394	394	393
130	200	216	234	255	278	301	325	349	372	385	397	407	415	423	428	432	434	435	433
135	227	242	259	279	300	323	345	368	390	405	418	429	439	448	455	460	463	465	462
140	252	266	281	299	318	338	358	379	399	414	428	440	452	461	469	476	480	482	478
145	276	287	300	315	331	348	366	383	401	415	428	441	452	462	470	477	481	484	480
150	297	306	316	328	341	355	369	383	397	409	421	431	441	450	458	464	468	471	466
155	316	322	330	339	348	358	369	379	390	399	408	417	425	431	437	442	446	448	445
160	332	336	341	347	353	360	367	374	381	388	394	400	405	410	414	418	420	422	419
165	344	347	350	353	357	361	365	369	374	377	381	385	388	391	393	395	396	397	396
170	353	355	356	358	360	362	364	366	368	370	371	373	374	375	376	377	378	378	377
175	359	360	360	361	362	362	363	364	364	365	365	366	366	366	367	367	367	367	367
180	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356

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:120.5V I:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7570.46x1 lm																			
NAME: 4FT										TYPE:3500K 2.8					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	4362	4362	4363	4363	4363	4363	4363	4363	4364	4364	4364	4364	4364	4364	4364	4364	4365	4365	4365
5	4330	4330	4329	4329	4329	4330	4330	4330	4330	4331	4331	4331	4332	4332	4333	4333	4334	4334	4334
10	4264	4263	4262	4262	4262	4263	4265	4267	4272	4277	4282	4288	4294	4299	4304	4309	4313	4312	4310
15	4153	4154	4155	4158	4162	4166	4171	4176	4183	4190	4197	4205	4212	4219	4225	4231	4235	4236	4235
20	3970	3972	3976	3982	3989	3998	4007	4017	4028	4039	4049	4060	4070	4080	4088	4096	4103	4101	4099
25	3679	3684	3692	3702	3714	3727	3742	3756	3767	3777	3787	3797	3806	3815	3823	3831	3837	3839	3841
30	3253	3264	3279	3297	3316	3336	3356	3374	3370	3364	3357	3350	3342	3335	3328	3323	3320	3333	3348
35	2337	2400	2469	2543	2618	2690	2756	2812	2767	2711	2649	2581	2513	2447	2385	2331	2289	2333	2389
40	1373	1456	1549	1647	1745	1838	1922	1990	1911	1817	1713	1603	1492	1385	1286	1200	1132	1208	1301
45	555	598	649	705	763	820	871	914	859	796	727	656	585	517	456	404	365	422	492
50	126	151	180	212	244	276	305	329	304	274	241	207	172	138	107	79.9	58.6	83.0	113
55	25.8	33.8	43.4	54.1	65.2	76.3	86.5	95.5	88.2	79.4	69.6	59.2	48.7	38.4	29.0	20.8	14.3	22.1	31.7
60	11.7	11.8	12.3	13.1	14.0	15.1	16.3	17.3	16.6	15.9	15.0	14.2	13.3	12.5	11.8	11.3	10.9	11.8	12.9
65	9.40	9.29	9.20	9.13	9.07	9.03	9.00	8.98	8.94	8.92	8.89	8.87	8.86	8.84	8.83	8.82	8.81	8.75	8.69
70	7.18	7.13	7.11	7.10	7.10	7.12	7.14	7.16	7.15	7.14	7.13	7.12	7.11	7.10	7.09	7.08	7.06	7.02	6.98
75	5.35	5.35	5.37	5.40	5.45	5.50	5.56	5.61	5.60	5.59	5.57	5.55	5.53	5.50	5.48	5.45	5.43	5.41	5.40
80	3.89	3.93	3.99	4.06	4.15	4.24	4.33	4.41	4.39	4.36	4.33	4.29	4.25	4.21	4.17	4.13	4.09	4.11	4.12
85	2.90	2.98	3.08	3.20	3.32	3.45	3.57	3.68	3.65	3.62	3.57	3.52	3.46	3.40	3.35	3.30	3.25	3.30	3.36
90	2.42	2.60	2.78	2.96	3.13	3.27	3.37	3.43	2.98	2.48	1.98	1.50	1.05	0.73	0.44	0.19	0.11	0.97	1.95
95	10.9	14.4	18.0	21.6	25.0	28.2	31.0	33.3	30.7	27.6	24.3	20.9	17.6	14.6	12.1	10.3	9.32	15.1	21.7
100	59.8	67.9	76.3	84.6	92.5	99.6	106	110	102	92.9	82.8	72.3	61.8	51.9	42.9	35.4	29.8	38.2	48.5
105	142	148	154	160	165	169	171	172	160	146	131	115	100	86.3	73.5	62.7	54.4	62.6	73.5
110	236	237	236	235	233	229	225	219	202	184	166	148	131	115	101	89.6	81.0	90.3	103
115	292	291	290	288	284	279	273	265	246	226	205	185	165	147	131	117	107	117	131
120	344	342	339	335	330	323	314	305	283	261	239	217	196	176	159	145	134	144	158
125	391	388	383	377	369	360	349	337	315	292	268	245	224	204	186	171	161	171	185
130	429	424	417	409	399	388	376	362	340	316	293	271	249	229	212	198	188	197	211
135	457	450	441	431	420	407	393	378	357	335	313	292	272	253	238	225	215	224	236
140	472	464	454	443	430	416	402	386	367	347	327	309	291	275	261	250	242	249	259
145	473	465	455	443	431	417	403	388	371	355	338	322	308	295	283	274	267	273	280
150	460	453	444	434	423	411	399	386	373	359	346	334	323	312	304	297	291	295	301
155	440	434	426	418	410	400	391	381	371	361	352	343	335	328	321	316	313	315	319
160	416	412	407	401	395	389	382	375	369	362	356	350	345	340	336	333	331	332	334
165	394	391	388	385	382	378	374	370	367	363	359	356	353	350	348	346	345	345	347
170	377	375	374	373	371	370	368	366	365	363	361	360	358	357	356	355	355	355	355
175	367	366	366	365	365	365	364	364	363	363	362	362	361	361	361	361	360	360	360
180	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356

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:120.5V I:0.5020A P:60.40W PF:0.9900 Freq:60.00Hz Lamp Flux:7570.46x1 lm																	
NAME: 4FT									TYPE:3500K 2.8						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	4365	4366	4366	4366	4366	4366	4366	4366	4366	4366	4365	4365	4364	4364	4363				
5	4334	4335	4335	4335	4336	4337	4337	4339	4340	4341	4343	4344	4346	4348	4350				
10	4308	4306	4303	4300	4297	4294	4292	4292	4292	4293	4294	4296	4298	4300	4303				
15	4234	4232	4230	4227	4224	4221	4219	4218	4217	4217	4217	4217	4217	4217	4218				
20	4096	4091	4086	4081	4075	4070	4065	4063	4062	4061	4061	4062	4063	4064	4066				
25	3841	3841	3841	3839	3838	3836	3834	3834	3833	3832	3832	3831	3830	3829	3828				
30	3364	3382	3400	3418	3436	3453	3468	3476	3481	3484	3485	3485	3483	3478	3472				
35	2453	2525	2601	2678	2756	2830	2898	2927	2947	2960	2965	2962	2952	2933	2907				
40	1408	1525	1646	1768	1885	1995	2092	2113	2117	2104	2073	2026	1962	1880	1782				
45	571	657	747	837	924	1006	1079	1100	1110	1108	1095	1070	1033	985	925				
50	148	185	224	263	301	336	368	375	376	373	363	349	329	303	272				
55	42.5	54.1	66.0	77.6	88.7	98.7	107	107	105	102	95.7	87.8	77.8	65.9	51.9				
60	14.0	15.3	16.5	17.8	18.9	20.0	20.8	20.8	20.6	20.2	19.6	18.7	17.7	16.4	14.9				
65	8.64	8.59	8.55	8.52	8.50	8.49	8.50	8.55	8.63	8.72	8.83	8.95	9.10	9.26	9.44				
70	6.94	6.90	6.87	6.84	6.82	6.81	6.80	6.83	6.87	6.92	6.98	7.05	7.14	7.23	7.34				
75	5.39	5.38	5.37	5.36	5.36	5.36	5.36	5.37	5.38	5.39	5.41	5.43	5.45	5.47	5.50				
80	4.14	4.17	4.19	4.22	4.24	4.26	4.27	4.27	4.25	4.24	4.21	4.18	4.15	4.11	4.06				
85	3.42	3.48	3.54	3.60	3.64	3.68	3.71	3.68	3.63	3.56	3.48	3.38	3.27	3.13	2.99				
90	3.02	4.15	5.30	6.45	7.56	8.59	9.52	9.88	10.1	10.2	10.1	9.92	9.58	9.11	8.49				
95	28.9	36.5	44.2	51.8	59.0	65.7	71.5	73.2	73.8	73.4	72.0	69.5	65.9	61.4	55.7				
100	60.4	73.4	87.1	101	115	128	141	146	150	153	154	154	153	150	146				
105	86.5	101	117	134	151	167	183	192	200	207	212	217	220	223	224				
110	117	134	152	171	191	210	228	238	247	254	261	266	269	272	273				
115	147	165	185	206	227	248	269	281	291	300	307	314	319	323	325				
120	175	194	215	237	260	283	305	319	330	341	350	359	365	371	376				
125	202	221	243	266	289	313	336	351	364	376	387	397	406	414	420				
130	227	247	268	290	314	337	360	375	389	402	414	425	436	445	454				
135	250	268	287	308	329	352	374	388	403	416	429	442	454	465	476				
140	271	286	303	320	339	359	379	392	406	419	433	445	458	470	482				
145	290	302	316	330	346	362	378	391	403	415	427	439	451	462	474				
150	308	317	327	338	350	363	376	385	395	405	415	425	435	445	455				
155	324	330	337	345	354	363	372	379	386	393	400	408	415	423	431				
160	337	341	346	351	356	362	367	372	377	382	387	392	397	402	407				
165	348	350	353	355	358	361	364	367	370	372	375	378	381	384	388				
170	356	357	358	359	360	361	363	364	365	366	367	369	370	372	373				
175	361	361	361	361	361	362	362	362	363	363	363	364	364	365	365				
180	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356				

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: