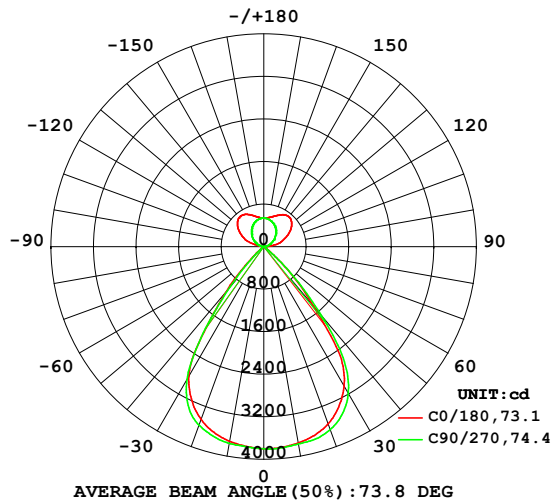


LUMINAIRE PHOTOMETRIC TEST REPORT

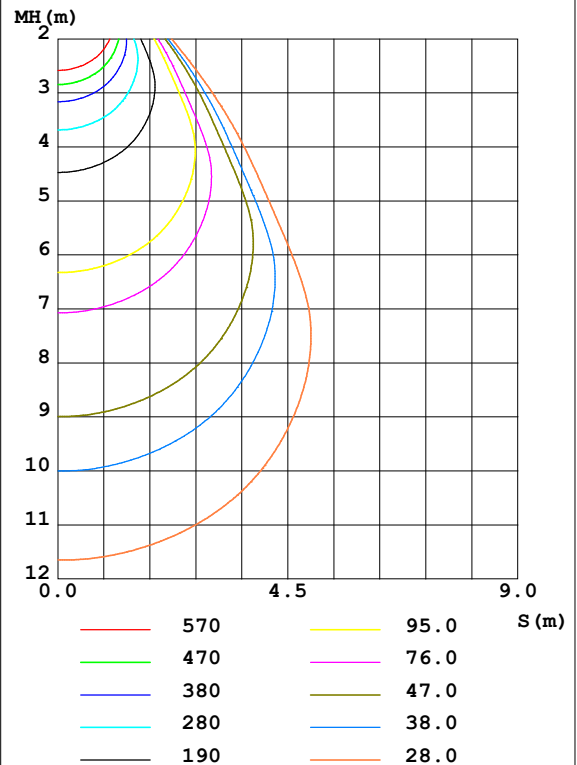
Test:U:120.4V I:0.4980A P:59.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7549.03x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.24 lm/W			
MODEL		Imax(cd)	3806	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)	7549.0	η UP,DN(C0-180)	15.0,37.1
NOMINAL FLUX(lm)	7549.03	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	15.2,32.6
LAMPS INSIDE	1	η up(%)	30.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	69.8	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:

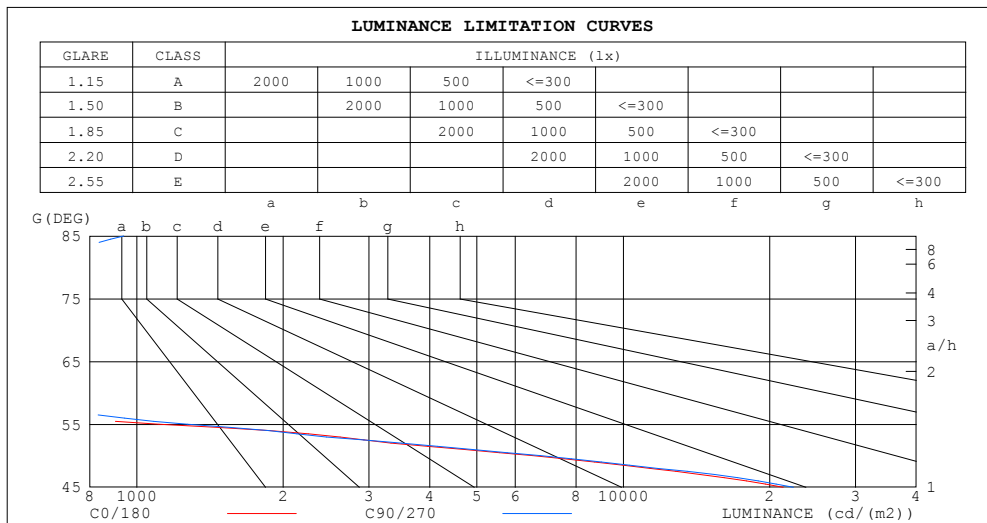
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3748	3759	3767	3752	3715	3714	3755	3737	0- 10	359.9	359.9	4.77,4.77
20	3545	3626	3660	3600	3455	3496	3571	3539	10- 20	1037	1397	18.5,18.5
30	3024	3200	3181	3171	2826	2936	2893	3019	20- 30	1538	2936	38.9,38.9
40	1450	2263	1693	2194	1092	1729	985.1	1817	30- 40	1506	4442	58.8,58.8
50	209.1	654.9	216.9	561.0	84.06	285.9	51.14	318.4	40- 50	701.1	5143	68.1,68.1
60	11.86	63.90	14.18	51.74	11.48	15.19	9.711	18.32	50- 60	103.1	5246	69.5,69.5
70	6.845	8.158	9.188	8.715	6.568	6.498	6.332	6.226	60- 70	11.57	5258	69.6,69.6
80	3.799	5.258	5.569	5.781	3.666	4.145	3.700	4.087	70- 80	6.144	5264	69.7,69.7
90	10.84	3.634	2.856	4.208	2.345	3.466	0.1863	12.59	80- 90	4.125	5268	69.8,69.8
100	210.6	192.9	38.21	123.7	67.76	165.9	44.78	213.5	90-100	59.33	5327	70.6,70.6
110	408.7	333.5	116.5	315.9	348.9	328.0	121.8	341.8	100-110	226.5	5554	73.6,73.6
120	566.6	447.2	198.2	459.9	514.1	456.4	201.2	458.8	110-120	349.1	5903	78.2,78.2
130	688.3	517.4	281.5	556.3	650.0	541.7	281.6	541.3	120-130	413.3	6316	83.7,83.7
140	737.6	545.1	361.9	596.9	720.4	577.1	363.2	567.9	130-140	412.8	6729	89.1,89.1
150	694.5	547.4	433.3	593.0	702.3	576.4	436.3	562.3	140-150	353.5	7082	93.8,93.8
160	614.9	541.5	489.6	568.8	628.0	559.6	493.8	549.1	150-160	259.5	7342	97.3,97.3
170	557.2	538.2	526.0	548.1	561.9	546.1	529.5	540.1	160-170	155.5	7497	99.3,99.3
180	533.2	533.2	533.2	533.2	533.2	533.2	533.2	533.2	170-180	51.67	7549	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:120.4V I:0.4980A P:59.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7549.03x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



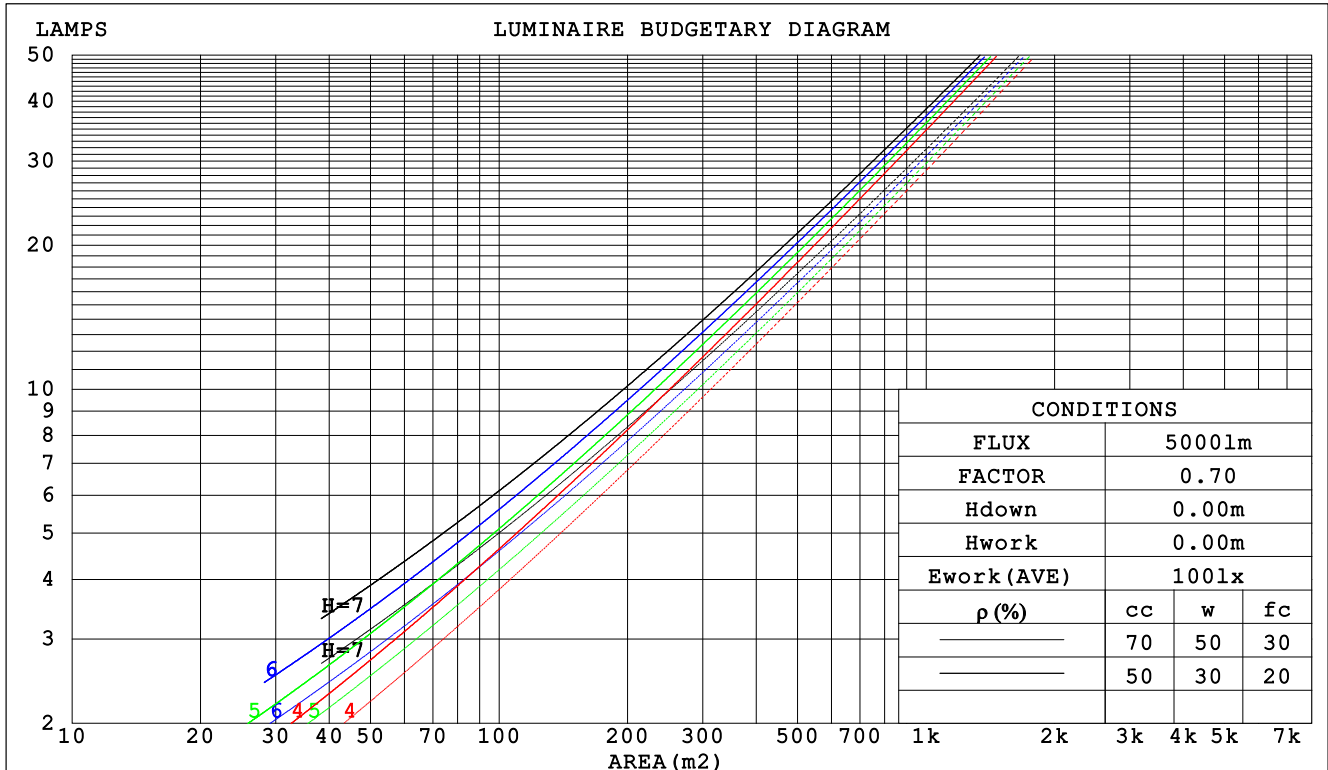
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.4V I:0.4980A P:59.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7549.03x1 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	.94	.94	.94	.84	.84	.84	.74	.74	.74	.70
1.0	1.02	.99	.96	.97	.94	.92	.87	.85	.83	.78	.77	.76	.70	.69	.68	.64
2.0	.92	.88	.84	.88	.84	.80	.80	.77	.74	.72	.70	.68	.65	.64	.62	.59
3.0	.84	.78	.74	.80	.75	.71	.73	.69	.66	.67	.64	.61	.61	.59	.57	.54
4.0	.77	.70	.66	.74	.68	.63	.68	.63	.60	.62	.59	.56	.57	.54	.52	.49
5.0	.70	.64	.59	.68	.62	.57	.62	.58	.54	.57	.54	.51	.53	.50	.48	.45
6.0	.65	.58	.53	.62	.56	.52	.58	.53	.49	.53	.49	.46	.49	.46	.44	.41
7.0	.60	.53	.48	.58	.51	.47	.53	.48	.45	.50	.45	.42	.46	.43	.40	.38
8.0	.55	.48	.44	.53	.47	.43	.50	.44	.41	.46	.42	.39	.43	.40	.37	.35
9.0	.51	.45	.40	.49	.43	.39	.46	.41	.38	.43	.39	.36	.40	.37	.34	.32
10.0	.48	.41	.37	.46	.40	.36	.43	.38	.35	.40	.36	.33	.38	.34	.32	.30



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:120.4V I:0.4980A P:59.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7549.03x1 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	.213	.121	.038	.197	.113	.036	.167	.096	.031	.140	.081	.026	.115	.066	.021		
2.0	.203	.111	.034	.189	.104	.032	.162	.090	.028	.137	.077	.024	.114	.065	.020		
3.0	.192	.102	.031	.179	.096	.029	.155	.084	.026	.133	.073	.022	.112	.062	.019		
4.0	.182	.094	.028	.170	.089	.026	.148	.079	.023	.128	.069	.021	.109	.059	.018		
5.0	.172	.088	.025	.161	.083	.024	.141	.074	.022	.123	.065	.019	.105	.056	.017		
6.0	.163	.082	.023	.153	.077	.022	.135	.069	.020	.118	.061	.018	.101	.053	.016		
7.0	.155	.077	.022	.146	.073	.021	.129	.065	.019	.113	.058	.017	.098	.051	.015		
8.0	.147	.072	.020	.139	.068	.019	.123	.061	.018	.108	.055	.016	.094	.048	.014		
9.0	.140	.068	.019	.132	.064	.018	.118	.058	.016	.104	.052	.015	.091	.046	.013		
10.0	.133	.064	.018	.126	.061	.017	.113	.055	.016	.100	.049	.014	.087	.044	.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	.421	.421	.421	.360	.360	.360	.245	.245	.245	.141	.141	.141	.045	.045	.045	
1.0	.406	.389	.374	.347	.334	.322	.237	.230	.223	.137	.133	.130	.044	.043	.042	
2.0	.394	.366	.342	.338	.315	.296	.231	.218	.206	.133	.127	.121	.043	.041	.039	
3.0	.384	.349	.320	.330	.301	.278	.226	.209	.195	.131	.122	.115	.042	.040	.038	
4.0	.376	.335	.304	.323	.290	.264	.222	.202	.186	.128	.118	.110	.041	.039	.036	
5.0	.369	.325	.293	.317	.281	.255	.218	.196	.180	.126	.115	.107	.041	.038	.035	
6.0	.363	.317	.284	.312	.274	.247	.215	.192	.175	.125	.113	.104	.040	.037	.034	
7.0	.357	.310	.277	.307	.269	.242	.212	.188	.171	.123	.111	.102	.040	.036	.034	
8.0	.352	.305	.272	.303	.264	.237	.209	.185	.168	.122	.109	.100	.039	.036	.033	
9.0	.347	.300	.268	.299	.260	.234	.207	.183	.166	.121	.108	.099	.039	.035	.033	
10.0	.342	.296	.265	.295	.257	.231	.205	.181	.164	.119	.107	.098	.039	.035	.033	

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:120.4V I:0.4980A P:59.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7549.03x1 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	19.6	20.5	20.2	21.1	21.8	19.4	20.3	20.0	20.9	21.6
3H	19.3	20.1	20.0	20.7	21.5	19.1	19.9	19.8	20.6	21.3
4H	19.2	19.9	19.9	20.6	21.3	19.0	19.7	19.7	20.4	21.2
6H	19.0	19.7	19.7	20.4	21.2	18.8	19.5	19.6	20.2	21.0
8H	19.0	19.6	19.7	20.3	21.1	18.8	19.4	19.5	20.1	20.9
12H	18.9	19.5	19.6	20.2	21.0	18.7	19.3	19.4	20.0	20.9
4H 2H	19.2	19.9	19.9	20.6	21.4	19.0	19.8	19.7	20.4	21.2
3H	18.9	19.5	19.6	20.2	21.1	18.7	19.3	19.5	20.1	20.9
4H	18.7	19.3	19.5	20.0	20.9	18.6	19.1	19.3	19.9	20.7
6H	18.6	19.1	19.4	19.8	20.7	18.4	18.9	19.2	19.7	20.6
8H	18.5	19.0	19.3	19.7	20.7	18.3	18.8	19.1	19.6	20.5
12H	18.4	18.8	19.2	19.6	20.6	18.3	18.7	19.1	19.5	20.4
8H 4H	18.5	18.9	19.3	19.7	20.7	18.3	18.8	19.1	19.6	20.5
6H	18.3	18.7	19.2	19.5	20.5	18.2	18.5	19.0	19.3	20.3
8H	18.3	18.6	19.1	19.4	20.4	18.1	18.4	18.9	19.2	20.2
12H	18.2	18.4	19.0	19.3	20.3	18.0	18.3	18.9	19.1	20.2
12H 4H	18.4	18.8	19.2	19.6	20.6	18.3	18.7	19.1	19.5	20.4
6H	18.3	18.6	19.1	19.4	20.4	18.1	18.4	18.9	19.2	20.2
8H	18.2	18.4	19.0	19.3	20.3	18.0	18.3	18.9	19.1	20.2
Variations with the observer position at spacings:										
S = 1.0H	+ 3.1 / -16.4					+ 2.7 / -16.2				
1.5H	+ 3.3 / -12.1					+ 3.6 / -11.5				
2.0H	+ 6.4 / -16.2					+ 6.3 / -14.2				

CIE Pub.117 Corrected 7549 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:120.4V I:0.4980A P:59.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7549.03x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

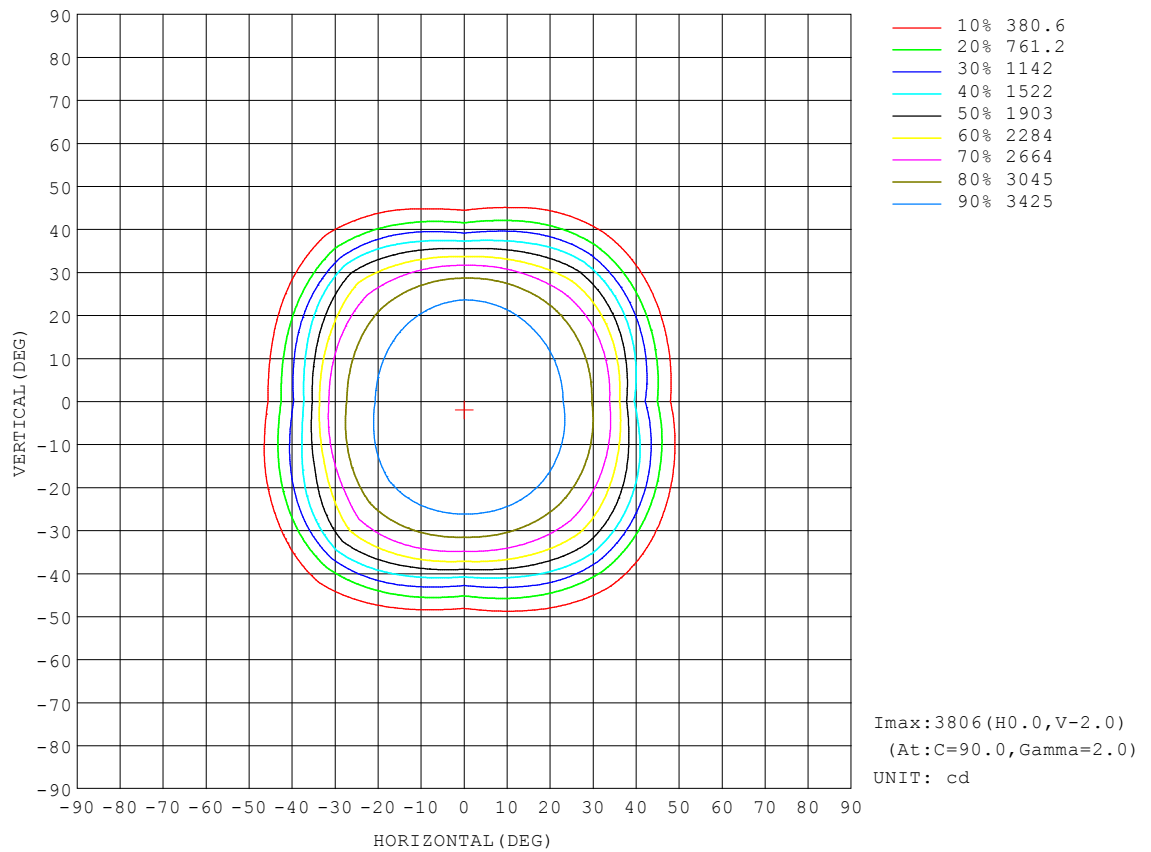
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	66	58	53	64	57	52	61	55	51	46
0.80	75	66	61	72	65	60	69	62	58	52
1.00	81	73	67	78	71	66	73	68	64	56
1.25	86	78	73	83	76	72	77	72	69	59
1.50	90	83	78	86	80	76	80	76	72	62
2.00	95	88	83	91	85	81	83	79	76	64
2.50	97	92	87	93	88	84	85	82	79	65
3.00	100	94	90	95	91	87	87	84	81	66
4.00	103	98	95	98	94	91	89	86	84	67
5.00	104	101	98	99	96	94	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:120.4V I:0.4980A P:59.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7549.03x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

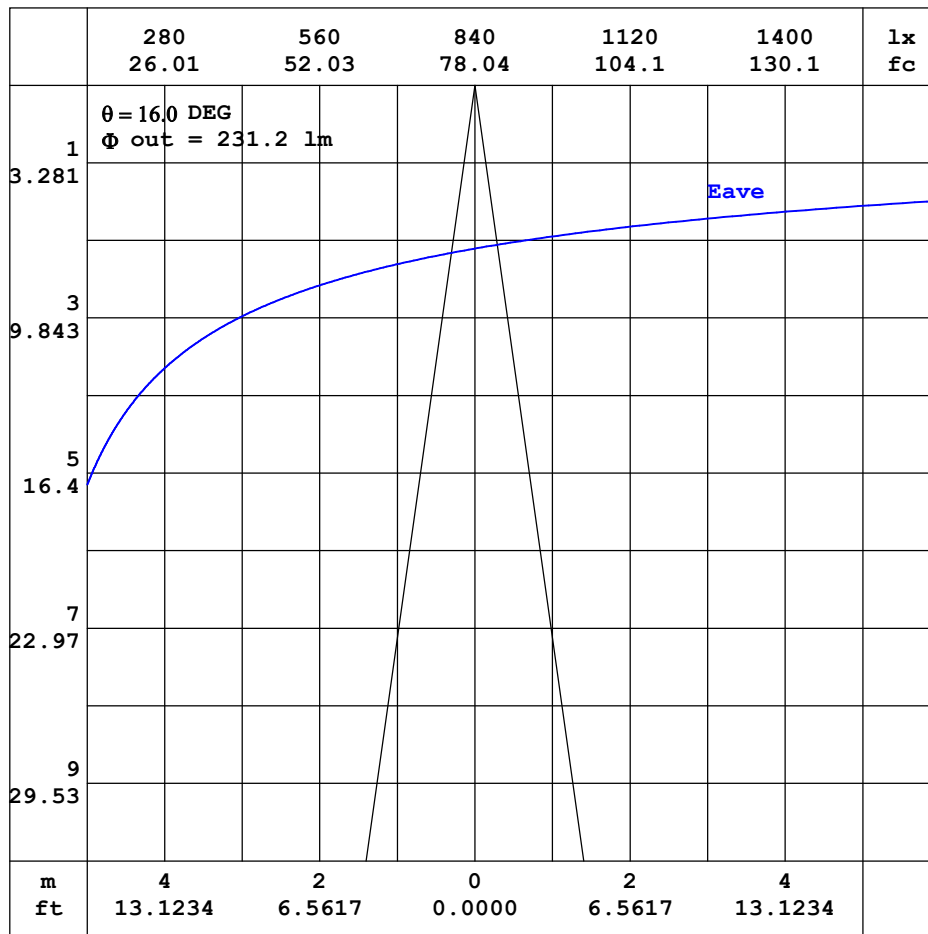


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.4V I:0.4980A P:59.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7549.03x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



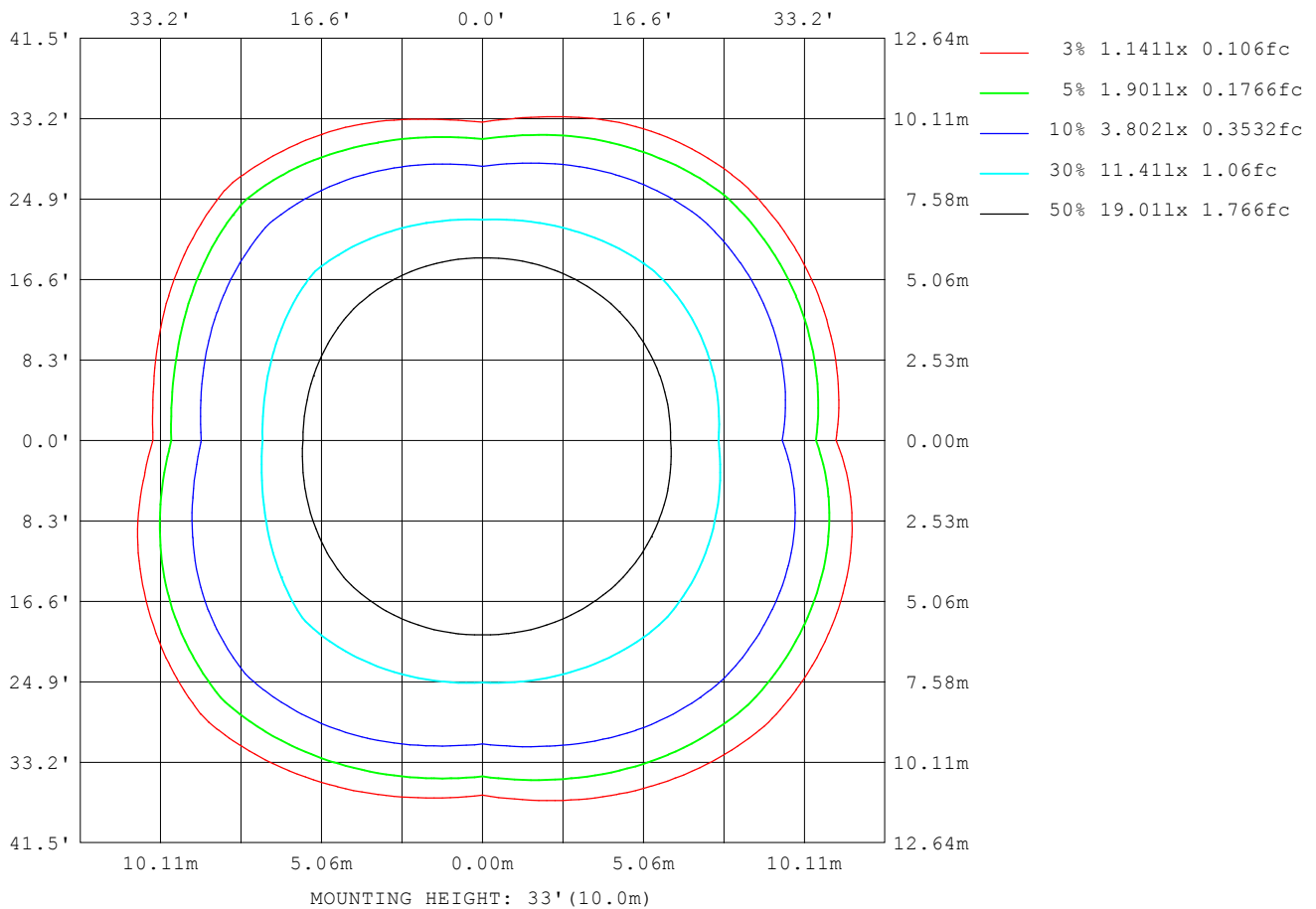
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.4V I:0.4980A P:59.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7549.03x1 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:120.4V I:0.4980A P:59.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7549.03x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

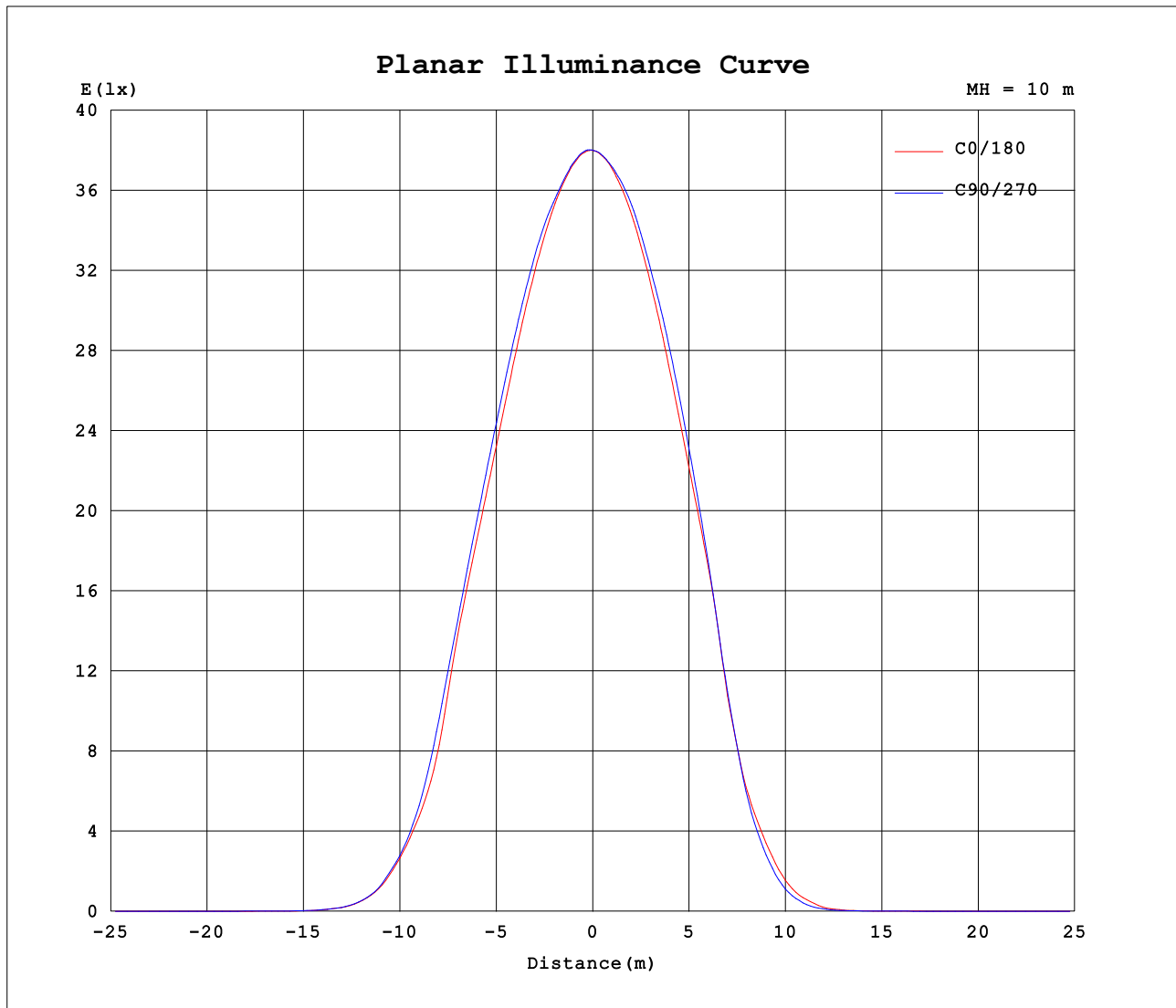
AvgL	cd/m2
L_0~180 (65) av	413
L_0~180 (75) av	390
L_0~180 (85) av	645
L_90~270 (65) av	454
L_90~270 (75) av	472
L_90~270 (85) av	806
L_45 (65) av	460
L_45 (75) av	458
L_45 (85) av	943

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:120.4V I:0.4980A P:59.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7549.03x1 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	3800	3800	3799	3799	3799	3799	3799	3799	3799	3799	3799	3799	3799	3799	3800	3800	3800	3800	3800
5	3790	3791	3792	3793	3794	3795	3795	3796	3796	3797	3797	3797	3797	3797	3797	3797	3797	3797	3797
10	3748	3750	3751	3752	3753	3754	3756	3757	3758	3759	3760	3761	3763	3764	3765	3766	3766	3767	3767
15	3674	3677	3679	3682	3685	3688	3691	3695	3699	3703	3709	3716	3722	3728	3733	3738	3742	3745	3747
20	3545	3556	3567	3577	3587	3596	3604	3612	3619	3626	3633	3639	3645	3650	3653	3657	3659	3660	3660
25	3332	3351	3370	3387	3403	3417	3431	3442	3453	3462	3469	3475	3480	3483	3486	3487	3487	3486	3484
30	3024	3053	3080	3104	3126	3146	3163	3177	3190	3200	3204	3205	3205	3204	3201	3197	3192	3187	3181
35	2510	2565	2615	2659	2697	2730	2757	2779	2794	2805	2796	2782	2765	2745	2724	2702	2681	2661	2644
40	1450	1608	1750	1875	1982	2073	2146	2202	2241	2263	2223	2170	2106	2035	1960	1885	1813	1748	1693
45	753	910	1049	1170	1273	1357	1423	1470	1500	1511	1452	1379	1296	1206	1113	1021	934	856	790
50	209	302	385	456	516	566	604	632	649	655	619	575	525	470	414	358	305	257	217
55	31.8	74.0	111	144	171	193	211	223	231	234	218	198	175	150	125	99.9	76.0	54.5	36.4
60	11.9	22.7	32.2	40.5	47.6	53.3	57.9	61.1	63.1	63.9	59.9	55.0	49.3	43.1	36.7	30.4	24.3	18.9	14.2
65	8.80	9.33	9.81	10.2	10.6	11.0	11.3	11.5	11.7	11.9	11.9	11.9	11.9	11.8	11.7	11.6	11.5	11.4	11.3
70	6.85	7.01	7.16	7.31	7.46	7.61	7.75	7.89	8.03	8.16	8.31	8.45	8.59	8.72	8.84	8.95	9.05	9.13	9.19
75	5.14	5.33	5.51	5.68	5.84	6.00	6.15	6.29	6.42	6.54	6.67	6.78	6.89	6.99	7.07	7.15	7.22	7.27	7.31
80	3.80	4.02	4.22	4.41	4.59	4.75	4.90	5.03	5.15	5.26	5.33	5.39	5.44	5.48	5.51	5.53	5.55	5.56	5.57
85	2.76	3.02	3.25	3.46	3.65	3.82	3.96	4.09	4.20	4.28	4.29	4.29	4.27	4.25	4.22	4.18	4.15	4.12	4.10
90	10.8	9.72	8.68	7.72	6.84	6.04	5.32	4.68	4.12	3.63	3.31	3.06	2.94	2.94	2.92	2.90	2.87	2.83	2.86
95	75.4	79.1	81.9	83.8	84.9	85.1	84.4	82.8	80.3	77.0	69.9	62.2	54.0	45.6	37.1	28.9	21.1	14.0	7.73
100	211	215	218	220	220	218	214	209	202	193	176	157	138	119	99.7	81.7	65.1	50.4	38.2
105	335	333	329	324	317	309	300	289	277	263	240	216	191	167	144	123	104	88.9	77.0
110	409	407	404	399	393	384	374	362	349	333	306	278	249	221	195	170	148	130	116
115	488	486	481	475	466	456	444	431	415	397	367	335	303	272	243	216	192	172	157
120	567	560	551	541	530	516	501	485	467	447	414	381	347	315	284	256	232	212	198
125	636	625	612	598	582	566	548	529	509	487	453	419	385	353	322	295	272	253	240
130	688	672	656	639	620	601	582	561	540	517	484	450	418	386	358	332	310	293	282
135	724	705	685	664	644	623	601	580	558	536	504	473	443	414	389	366	347	332	323
140	738	716	694	672	651	630	608	587	566	545	517	489	463	438	416	397	381	369	362
145	725	704	684	663	643	624	604	585	567	548	525	501	480	460	442	426	414	404	399
150	695	677	659	642	625	609	593	577	562	547	529	511	494	478	465	453	443	437	433
155	654	641	628	615	602	590	578	567	556	545	531	518	506	495	486	477	471	466	464
160	615	606	597	588	580	571	564	556	549	541	533	524	516	509	503	498	494	491	490
165	582	576	571	566	561	556	552	547	543	539	534	529	525	521	518	515	513	511	511
170	557	555	552	550	548	546	544	542	540	538	536	534	532	530	529	528	527	526	526
175	544	543	542	542	541	540	540	539	539	538	538	537	537	536	536	536	536	536	536
180	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533

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:120.4V I:0.4980A P:59.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7549.03x1 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	3801	3801	3801	3801	3801	3801	3801	3801	3801	3801	3801	3801	3801	3801	3800	3800	3800	3800	3800
5	3797	3798	3798	3798	3798	3798	3798	3797	3796	3794	3792	3789	3786	3783	3781	3778	3775	3773	3772
10	3766	3765	3764	3763	3761	3759	3757	3755	3752	3748	3744	3739	3735	3731	3726	3722	3719	3715	3713
15	3744	3739	3734	3727	3720	3712	3703	3695	3686	3677	3668	3659	3651	3643	3635	3629	3623	3618	3616
20	3658	3654	3650	3644	3637	3630	3621	3611	3600	3583	3566	3548	3530	3513	3496	3481	3467	3455	3453
25	3484	3483	3481	3477	3471	3464	3456	3445	3432	3406	3379	3351	3323	3295	3268	3243	3220	3200	3198
30	3186	3190	3194	3196	3196	3195	3190	3182	3171	3135	3095	3054	3012	2970	2929	2891	2856	2826	2827
35	2666	2689	2713	2736	2755	2769	2777	2777	2767	2682	2589	2491	2390	2290	2193	2104	2024	1958	1988
40	1744	1806	1873	1942	2010	2073	2127	2169	2194	2090	1970	1840	1704	1566	1431	1304	1190	1092	1134
45	847	916	994	1076	1158	1237	1309	1369	1413	1330	1232	1122	1004	883	762	646	537	441	454
50	246	282	324	369	414	458	499	534	561	521	473	419	361	301	242	184	131	84.1	93.4
55	49.4	65.8	84.7	105	126	147	166	183	197	183	165	145	123	100	77.4	55.1	34.1	15.5	17.8
60	17.1	20.8	25.2	29.9	34.8	39.7	44.3	48.4	51.7	48.9	45.2	41.0	36.2	31.2	26.0	20.9	16.0	11.5	10.7
65	11.3	11.3	11.3	11.4	11.4	11.3	11.3	11.3	11.2	11.0	10.7	10.4	10.1	9.81	9.50	9.21	8.92	8.66	8.53
70	9.21	9.22	9.21	9.17	9.12	9.05	8.96	8.85	8.72	8.49	8.25	8.00	7.74	7.49	7.24	7.00	6.77	6.57	6.50
75	7.34	7.36	7.36	7.35	7.32	7.27	7.20	7.11	7.01	6.79	6.56	6.32	6.07	5.83	5.59	5.36	5.15	4.96	4.92
80	5.64	5.70	5.76	5.81	5.84	5.86	5.86	5.83	5.78	5.57	5.34	5.09	4.84	4.58	4.33	4.09	3.86	3.67	3.66
85	4.21	4.33	4.45	4.56	4.67	4.76	4.84	4.89	4.91	4.72	4.50	4.26	4.01	3.76	3.51	3.27	3.05	2.85	2.87
90	3.00	3.16	3.33	3.51	3.69	3.85	4.00	4.12	4.21	4.05	3.85	3.64	3.41	3.17	2.94	2.72	2.52	2.35	2.46
95	7.72	8.63	10.3	12.5	15.1	17.9	20.8	23.5	26.0	23.9	21.5	18.8	16.2	13.6	11.2	9.15	7.61	6.70	10.9
100	42.8	49.9	58.9	69.2	80.5	92.0	103	114	124	119	113	106	98.7	91.1	83.9	77.3	71.8	67.8	77.9
105	88.1	103	120	140	161	182	203	223	242	242	239	235	230	224	217	211	204	199	207
110	129	145	165	188	213	239	265	291	316	326	334	340	344	348	349	350	350	349	352
115	172	191	215	241	270	300	331	361	389	402	412	420	426	430	433	434	435	434	436
120	215	238	264	294	327	360	394	428	460	474	487	496	504	510	513	515	515	514	515
125	258	281	309	340	374	409	445	481	514	532	547	560	570	578	584	588	590	590	588
130	299	323	351	382	415	451	487	522	556	576	593	609	622	632	640	646	649	650	647
135	340	362	388	417	449	482	517	551	584	605	624	641	657	669	679	687	692	694	689
140	377	397	420	446	475	505	536	567	597	619	639	658	675	689	701	711	717	720	714
145	412	428	448	470	494	520	546	573	599	620	640	658	675	689	701	711	718	722	716
150	443	457	472	490	509	529	550	572	593	611	628	644	659	672	683	692	698	702	696
155	471	481	492	505	519	534	550	566	581	595	609	621	633	643	652	659	665	668	663
160	495	501	509	518	527	537	548	558	569	578	587	596	604	611	617	622	626	628	624
165	514	517	522	527	533	539	545	551	557	562	568	572	577	581	584	587	589	590	588
170	528	529	532	534	537	540	542	545	548	550	553	555	556	558	559	561	561	562	561
175	536	537	538	538	539	540	541	542	543	543	544	544	545	545	545	545	545	546	545
180	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533

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:120.4V I:0.4980A P:59.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7549.03x1 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	3800	3799	3799	3799	3799	3799	3799	3799	3799	3799	3799	3799	3800	3800	3800	3800	3800	3801	3801
5	3771	3770	3769	3768	3768	3768	3768	3768	3769	3770	3771	3772	3773	3774	3775	3776	3777	3777	3777
10	3711	3710	3710	3709	3710	3711	3712	3714	3718	3723	3728	3733	3738	3743	3747	3751	3755	3754	3753
15	3616	3616	3617	3619	3622	3625	3629	3634	3640	3647	3653	3660	3667	3673	3679	3684	3689	3689	3688
20	3454	3456	3459	3465	3471	3479	3487	3496	3505	3515	3524	3534	3543	3551	3559	3566	3571	3570	3568
25	3200	3204	3211	3220	3231	3243	3256	3269	3278	3288	3297	3306	3314	3322	3329	3336	3342	3344	3345
30	2832	2842	2855	2870	2886	2903	2920	2936	2933	2929	2923	2917	2911	2905	2900	2896	2893	2904	2917
35	2032	2086	2147	2211	2276	2339	2396	2445	2406	2358	2304	2246	2187	2130	2077	2031	1994	2032	2080
40	1193	1265	1346	1431	1516	1597	1669	1729	1660	1579	1488	1393	1297	1204	1118	1044	985	1050	1132
45	481	517	561	610	660	709	754	791	744	690	630	568	507	448	396	351	317	367	427
50	110	131	156	184	212	240	265	286	264	238	210	180	149	120	93.0	69.6	51.1	72.1	98.1
55	22.6	29.4	37.7	47.0	56.6	66.2	75.1	82.9	76.6	69.0	60.6	51.5	42.4	33.6	25.4	18.3	12.7	19.5	27.8
60	10.4	10.5	10.9	11.5	12.4	13.3	14.3	15.2	14.6	14.0	13.2	12.5	11.8	11.1	10.5	10.1	9.71	10.5	11.4
65	8.42	8.33	8.26	8.21	8.17	8.14	8.11	8.10	8.06	8.03	8.00	7.98	7.96	7.94	7.92	7.90	7.89	7.85	7.81
70	6.45	6.42	6.41	6.41	6.42	6.45	6.47	6.50	6.48	6.46	6.45	6.43	6.41	6.39	6.37	6.35	6.33	6.31	6.28
75	4.90	4.91	4.93	4.96	5.01	5.05	5.10	5.15	5.13	5.11	5.08	5.05	5.02	4.98	4.95	4.92	4.90	4.89	4.90
80	3.67	3.71	3.77	3.84	3.91	3.99	4.07	4.15	4.11	4.06	4.01	3.96	3.90	3.84	3.79	3.74	3.70	3.73	3.77
85	2.92	2.99	3.08	3.18	3.29	3.39	3.49	3.58	3.53	3.46	3.38	3.30	3.21	3.13	3.05	2.98	2.93	3.00	3.08
90	2.60	2.75	2.91	3.07	3.22	3.34	3.42	3.47	2.95	2.41	1.87	1.36	0.91	0.63	0.38	0.17	0.19	1.34	2.64
95	15.7	20.8	26.2	31.5	36.7	41.4	45.6	49.0	45.2	40.8	35.9	30.9	26.1	21.7	18.0	15.4	14.0	22.5	32.1
100	89.4	102	115	127	139	150	159	166	154	140	125	109	93.1	78.1	64.6	53.2	44.8	57.6	73.5
105	215	224	233	241	248	253	257	258	239	218	195	172	150	129	110	93.7	81.3	93.7	110
110	354	354	354	352	349	344	337	328	303	277	250	223	197	173	152	135	122	136	154
115	437	436	434	431	426	418	409	397	369	338	307	277	247	220	196	176	161	176	196
120	514	512	507	501	493	483	471	456	425	392	358	325	294	264	239	217	201	217	237
125	585	580	573	563	552	538	523	505	471	437	402	368	335	305	279	257	241	257	277
130	642	634	624	612	597	581	562	542	508	473	439	405	373	344	318	297	282	296	317
135	682	672	659	644	627	608	587	565	533	500	468	436	406	379	356	337	322	335	353
140	705	693	678	661	642	622	600	577	548	518	489	462	436	412	392	375	363	374	388
145	706	693	678	661	643	623	602	580	555	530	505	482	461	441	424	411	401	409	420
150	687	676	662	647	631	613	595	576	556	537	517	499	482	467	454	444	436	442	450
155	656	646	636	624	611	597	583	569	554	539	526	512	500	489	480	473	467	471	477
160	619	613	606	597	589	579	569	560	550	541	532	523	515	508	502	497	494	496	500
165	586	582	578	573	568	563	558	552	547	541	536	531	527	523	520	517	515	516	517
170	560	558	557	555	553	551	548	546	544	542	539	537	535	533	532	531	530	530	530
175	545	545	545	544	544	543	543	542	542	541	541	540	540	539	539	538	538	538	538
180	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533

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:120.4V I:0.4980A P:59.80W PF:0.9900 Freq:60.00Hz Lamp Flux:7549.03x1 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	3801	3801	3801	3801	3801	3801	3801	3801	3801	3801	3801	3801	3801	3800	3800				
5	3777	3777	3777	3777	3777	3777	3777	3778	3779	3780	3781	3783	3785	3786	3788				
10	3751	3749	3747	3744	3742	3739	3737	3737	3737	3738	3739	3740	3741	3743	3746				
15	3687	3685	3683	3680	3678	3675	3673	3672	3671	3671	3671	3671	3672	3672	3673				
20	3565	3562	3557	3553	3548	3543	3539	3538	3537	3537	3537	3538	3539	3540	3542				
25	3345	3344	3344	3342	3341	3339	3337	3336	3336	3335	3335	3334	3333	3333	3332				
30	2931	2946	2961	2976	2991	3006	3019	3025	3030	3034	3036	3036	3035	3033	3029				
35	2136	2197	2263	2330	2397	2461	2521	2546	2565	2577	2582	2581	2573	2559	2538				
40	1224	1325	1430	1536	1638	1733	1817	1835	1839	1828	1802	1761	1705	1635	1550				
45	496	570	648	726	802	873	937	956	966	965	955	934	904	864	813				
50	128	160	194	228	261	291	318	325	327	324	316	304	287	266	240				
55	37.1	47.1	57.4	67.5	77.1	85.7	93.0	93.2	91.6	88.3	83.3	76.5	67.9	57.7	45.6				
60	12.5	13.5	14.6	15.7	16.7	17.6	18.3	18.3	18.2	17.8	17.3	16.6	15.7	14.6	13.3				
65	7.77	7.74	7.72	7.70	7.70	7.71	7.73	7.79	7.86	7.95	8.05	8.17	8.31	8.46	8.62				
70	6.26	6.24	6.22	6.21	6.21	6.21	6.23	6.26	6.30	6.35	6.41	6.48	6.56	6.64	6.74				
75	4.90	4.91	4.92	4.93	4.95	4.96	4.98	5.00	5.01	5.03	5.04	5.06	5.08	5.10	5.12				
80	3.81	3.86	3.91	3.96	4.01	4.05	4.09	4.09	4.08	4.07	4.04	4.01	3.97	3.92	3.86				
85	3.17	3.27	3.37	3.46	3.54	3.62	3.67	3.65	3.61	3.55	3.47	3.37	3.25	3.11	2.95				
90	4.05	5.54	7.05	8.56	10.0	11.4	12.6	13.1	13.4	13.6	13.6	13.4	13.0	12.5	11.7				
95	42.7	53.8	65.1	76.2	86.9	96.8	105	108	109	109	107	104	98.9	92.6	84.7				
100	91.6	111	132	154	175	195	213	222	228	232	233	233	231	226	219				
105	129	151	175	200	225	251	275	288	300	310	318	325	330	333	335				
110	176	201	228	257	286	314	342	357	370	381	390	398	403	407	409				
115	220	248	278	309	341	373	404	421	436	449	461	470	478	483	487				
120	263	292	323	357	391	425	459	478	496	511	525	537	547	556	562				
125	303	333	365	399	434	470	505	526	545	563	580	594	607	618	628				
130	342	370	402	436	471	506	541	563	584	603	621	637	652	665	678				
135	376	402	431	462	495	528	561	583	604	624	643	661	678	695	710				
140	407	429	454	481	509	539	568	588	609	628	648	666	685	703	720				
145	435	453	473	495	519	543	567	585	603	621	639	656	674	691	708				
150	462	475	490	507	525	543	562	577	591	606	620	635	650	665	680				
155	484	494	504	516	529	542	556	566	577	587	598	609	620	631	643				
160	504	510	517	524	532	540	549	556	563	570	577	584	592	599	607				
165	520	523	526	530	534	539	543	547	551	555	559	563	568	572	577				
170	531	532	533	535	536	538	540	542	543	545	547	549	551	553	555				
175	538	538	538	538	538	539	539	539	540	540	541	541	542	542	543				
180	533	533	533	533	533	533	533	533	533	533	533	533	533	533	533				

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: