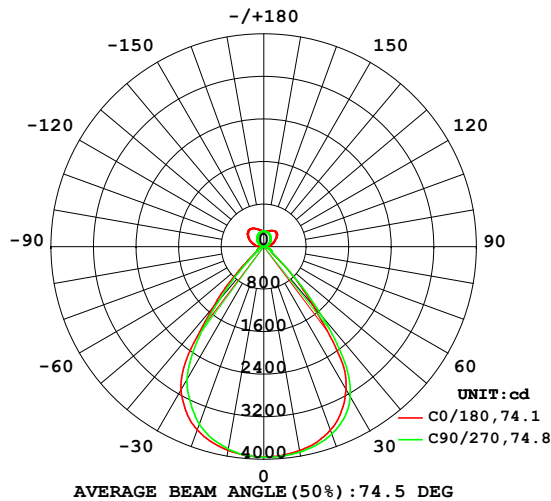


LUMINAIRE PHOTOMETRIC TEST REPORT

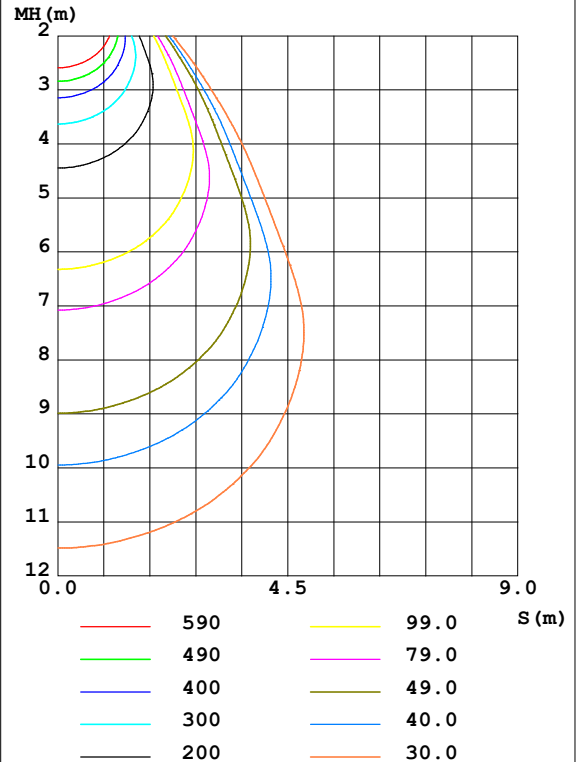
Test:U:120.7V I:0.3930A P:47.30W PF:0.9900 Freq:60.00Hz Lamp Flux:7121.89x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.57 lm/W			
MODEL		I _{max} (cd)	3961	S/MH(C0/180)	1.07
NOMINAL POWER(W)	48W	LOR(%)	100.0	S/MH(C90/270)	1.05
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	7121.9	η UP,DN(C0-180)	8.9,43.0
NOMINAL FLUX(lm)	7121.89	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	9.2,38.8
LAMPS INSIDE	1	η up(%)	18.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	81.8	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:

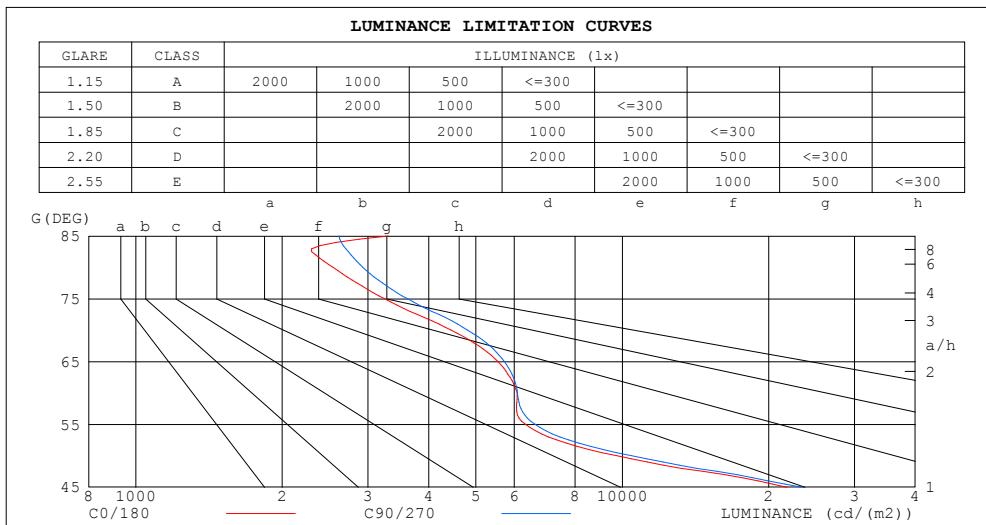
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3893	3904	3921	3917	3886	3878	3863	3866	0- 10	374.6	374.6	5.26,5.26
20	3668	3710	3747	3742	3664	3605	3550	3569	10- 20	1071	1446	20.3,20.3
30	3097	3234	3251	3313	3114	3026	2888	2924	20- 30	1573	3019	42.4,42.4
40	1444	2242	1690	2389	1462	1965	1281	1804	30- 40	1570	4589	64.4,64.4
50	312.4	661.2	335.1	783.9	323.2	543.4	258.6	461.5	40- 50	817.1	5406	75.9,75.9
60	151.9	180.3	152.2	203.5	152.6	164.4	143.3	146.7	50- 60	240.2	5646	79.3,79.3
70	76.05	78.95	82.22	87.79	77.12	74.69	69.30	65.32	60- 70	115.0	5761	80.9,80.9
80	22.10	24.21	25.44	28.76	22.83	22.84	20.09	18.96	70- 80	48.07	5809	81.6,81.6
90	34.52	18.20	2.075	45.89	58.59	66.60	1.252	36.18	80- 90	19.76	5829	81.8,81.8
100	112.3	81.59	22.26	134.2	166.7	141.8	28.05	92.70	90-100	72.78	5901	82.9,82.9
110	171.5	145.2	63.49	210.9	253.3	217.3	70.54	160.0	100-110	135.9	6037	84.8,84.8
120	245.2	209.3	107.3	280.5	337.7	277.6	115.6	228.3	110-120	192.6	6230	87.5,87.5
130	318.5	252.8	153.0	325.9	401.0	312.7	161.2	270.8	120-130	224.8	6455	90.6,90.6
140	356.9	276.9	196.1	339.8	422.8	322.2	203.7	290.6	130-140	223.3	6678	93.8,93.8
150	347.1	287.3	234.9	331.4	398.4	316.1	241.5	295.0	140-150	190.9	6869	96.4,96.4
160	319.9	290.7	265.3	315.2	350.3	305.0	270.1	294.4	150-160	140.5	7009	98.4,98.4
170	300.0	291.4	285.6	300.4	309.7	296.4	287.5	292.4	160-170	84.52	7094	99.6,99.6
180	289.7	289.7	289.7	289.7	289.7	289.7	289.7	289.7	170-180	28.08	7122	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:120.7V I:0.3930A P:47.30W PF:0.9900 Freq:60.00Hz Lamp Flux:7121.89x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3305	2617
80	2545	2930
75	3246	3618
70	4447	4808
65	5551	5724
60	6076	6090
55	6323	6615
50	9719	10427
45	21790	23391

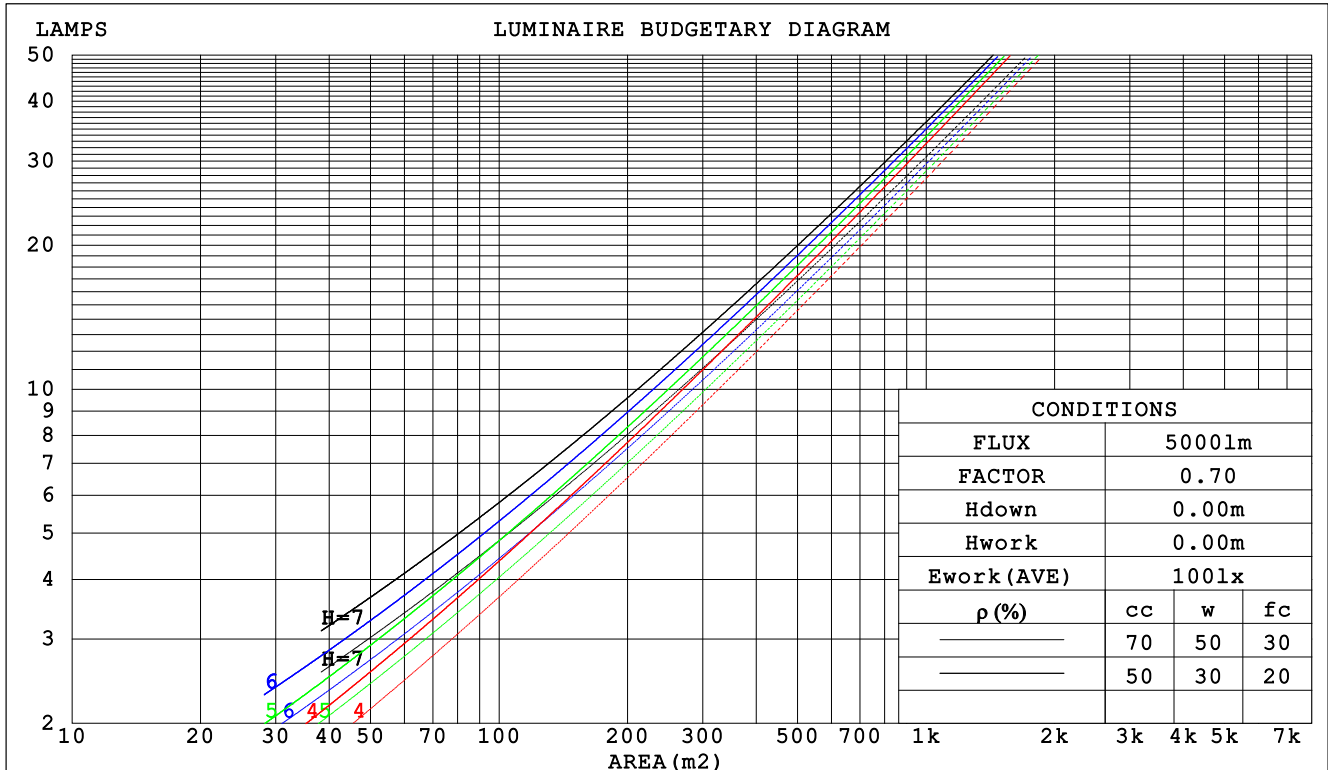
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.7V I:0.3930A P:47.30W PF:0.9900 Freq:60.00Hz Lamp Flux:7121.89x1 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	1.15	1.15	1.15	1.10	1.10	1.10	1.01	1.01	1.01	.93	.93	.93	.85	.85	.85	.82
1.0	1.04	1.01	.99	1.00	.98	.95	.93	.91	.89	.86	.85	.83	.80	.79	.78	.75
2.0	.95	.90	.86	.91	.87	.83	.85	.82	.79	.79	.77	.74	.74	.72	.70	.68
3.0	.86	.80	.75	.83	.78	.74	.78	.74	.70	.73	.70	.67	.69	.66	.64	.61
4.0	.79	.72	.67	.76	.70	.66	.72	.67	.63	.68	.64	.60	.64	.60	.58	.55
5.0	.72	.65	.60	.70	.64	.59	.66	.61	.57	.63	.58	.55	.59	.56	.53	.50
6.0	.66	.59	.54	.65	.58	.53	.61	.56	.52	.58	.53	.50	.55	.51	.48	.46
7.0	.61	.54	.49	.60	.53	.49	.57	.51	.47	.54	.49	.46	.51	.47	.44	.42
8.0	.57	.50	.45	.55	.49	.44	.53	.47	.43	.50	.45	.42	.48	.44	.41	.39
9.0	.53	.46	.41	.51	.45	.41	.49	.44	.40	.47	.42	.39	.45	.41	.37	.36
10.0	.49	.42	.38	.48	.42	.38	.46	.40	.37	.44	.39	.36	.42	.38	.35	.33



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:120.7V I:0.3930A P:47.30W PF:0.9900 Freq:60.00Hz Lamp Flux:7121.89x1 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	.218	.124	.039	.206	.117	.037	.183	.105	.033	.161	.093	.030	.142	.082	.027		
2.0	.208	.114	.035	.197	.109	.033	.177	.098	.031	.158	.089	.028	.140	.079	.025		
3.0	.197	.105	.031	.188	.100	.030	.169	.092	.028	.152	.083	.026	.136	.076	.023		
4.0	.187	.097	.029	.178	.093	.028	.161	.086	.026	.146	.078	.024	.132	.071	.022		
5.0	.177	.090	.026	.169	.087	.025	.154	.080	.024	.140	.074	.022	.126	.068	.020		
6.0	.167	.084	.024	.160	.081	.023	.146	.075	.022	.133	.069	.020	.121	.064	.019		
7.0	.159	.078	.022	.152	.076	.022	.139	.070	.020	.128	.065	.019	.116	.061	.018		
8.0	.151	.074	.021	.145	.071	.020	.133	.066	.019	.122	.062	.018	.112	.057	.017		
9.0	.143	.069	.019	.138	.067	.019	.127	.063	.018	.117	.059	.017	.107	.054	.016		
10.0	.136	.065	.018	.131	.063	.018	.121	.059	.017	.112	.056	.016	.103	.052	.015		

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	.329	.329	.329	.281	.281	.281	.192	.192	.192	.110	.110	.110	.035	.035	.035	
1.0	.313	.296	.281	.268	.254	.242	.183	.175	.167	.106	.101	.097	.034	.033	.031	
2.0	.302	.273	.249	.258	.235	.215	.177	.162	.150	.102	.094	.088	.033	.031	.029	
3.0	.292	.255	.226	.250	.220	.196	.172	.153	.137	.099	.089	.081	.032	.029	.027	
4.0	.283	.241	.209	.243	.209	.182	.167	.145	.128	.097	.085	.076	.031	.028	.025	
5.0	.276	.231	.197	.237	.200	.172	.163	.139	.121	.095	.082	.072	.030	.027	.024	
6.0	.269	.222	.189	.231	.193	.164	.160	.135	.116	.093	.079	.069	.030	.026	.023	
7.0	.263	.215	.182	.226	.187	.158	.156	.131	.112	.091	.077	.067	.029	.025	.022	
8.0	.258	.210	.177	.222	.182	.154	.154	.128	.109	.089	.075	.065	.029	.025	.022	
9.0	.253	.205	.172	.218	.178	.150	.151	.125	.107	.088	.074	.064	.028	.024	.021	
10.0	.248	.201	.169	.214	.174	.148	.148	.123	.105	.087	.073	.063	.028	.024	.021	

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:120.7V I:0.3930A P:47.30W PF:0.9900 Freq:60.00Hz Lamp Flux:7121.89x1 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	20.2	21.2	20.7	21.7	22.2	20.1	21.1	20.6	21.5	22.0
3H	20.2	21.1	20.7	21.5	22.1	20.0	20.9	20.6	21.4	22.0
4H	20.1	20.9	20.6	21.4	22.0	20.0	20.8	20.5	21.3	21.9
6H	20.0	20.8	20.6	21.3	21.9	19.9	20.7	20.5	21.2	21.8
8H	19.9	20.7	20.5	21.2	21.8	19.8	20.6	20.4	21.1	21.8
12H	19.9	20.6	20.5	21.2	21.8	19.8	20.5	20.4	21.1	21.7
4H 2H	20.0	20.8	20.5	21.3	21.9	19.9	20.7	20.4	21.2	21.8
3H	19.9	20.7	20.5	21.2	21.9	19.8	20.6	20.4	21.1	21.7
4H	19.9	20.5	20.5	21.1	21.8	19.8	20.4	20.4	21.0	21.7
6H	19.8	20.4	20.5	21.0	21.7	19.7	20.3	20.4	20.9	21.6
8H	19.8	20.3	20.4	20.9	21.7	19.7	20.2	20.4	20.9	21.6
12H	19.7	20.2	20.4	20.9	21.6	19.7	20.1	20.3	20.8	21.5
8H 4H	19.7	20.3	20.4	20.9	21.6	19.7	20.2	20.3	20.8	21.5
6H	19.7	20.1	20.4	20.8	21.6	19.6	20.0	20.3	20.7	21.5
8H	19.7	20.0	20.4	20.7	21.5	19.6	20.0	20.3	20.6	21.4
12H	19.6	19.9	20.3	20.6	21.5	19.5	19.9	20.3	20.6	21.4
12H 4H	19.7	20.2	20.4	20.8	21.6	19.6	20.1	20.3	20.7	21.5
6H	19.6	20.0	20.3	20.7	21.5	19.6	19.9	20.3	20.6	21.4
8H	19.6	19.9	20.3	20.6	21.5	19.5	19.8	20.3	20.6	21.4
Variations with the observer position at spacings:										
S = 1.0H	+ 2.6 / - 5.3					+ 2.2 / - 5.2				
1.5H	+ 2.9 / - 5.4					+ 3.1 / - 5.0				
2.0H	+ 4.6 / - 3.3					+ 4.1 / - 2.7				

CIE Pub.117 Corrected 7122 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.8)

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:120.7V I:0.3930A P:47.30W PF:0.9900 Freq:60.00Hz Lamp Flux:7121.89x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

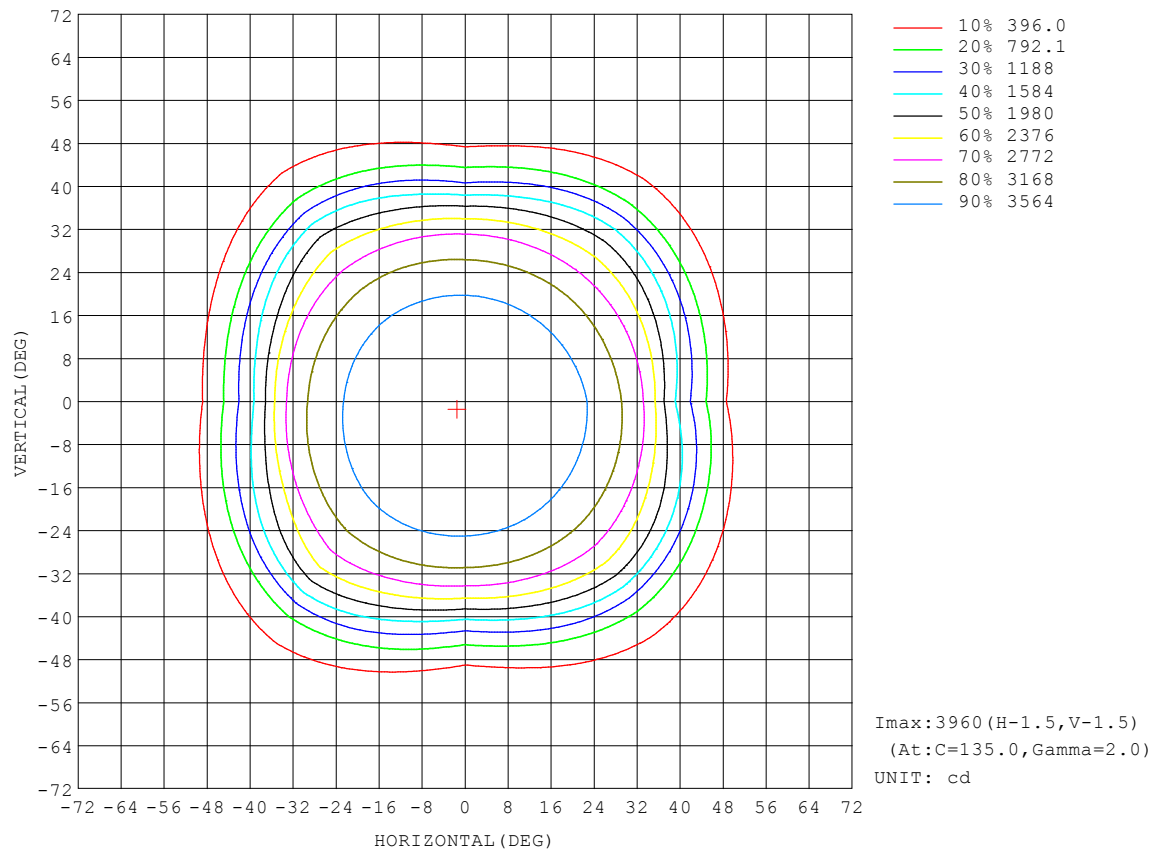
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	69	61	56	68	60	56	66	59	55	50
0.80	78	70	65	76	69	64	74	67	63	57
1.00	84	76	71	82	75	70	79	74	69	62
1.25	90	82	77	88	81	76	83	78	74	66
1.50	94	87	82	91	85	80	86	81	78	69
2.00	98	92	87	95	90	86	90	85	82	72
2.50	101	95	91	98	93	89	92	88	85	74
3.00	103	98	94	100	95	92	93	90	87	75
4.00	106	102	98	102	99	96	95	92	90	77
5.00	108	104	101	104	101	98	96	94	92	78
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:120.7V I:0.3930A P:47.30W PF:0.9900 Freq:60.00Hz Lamp Flux:7121.89x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

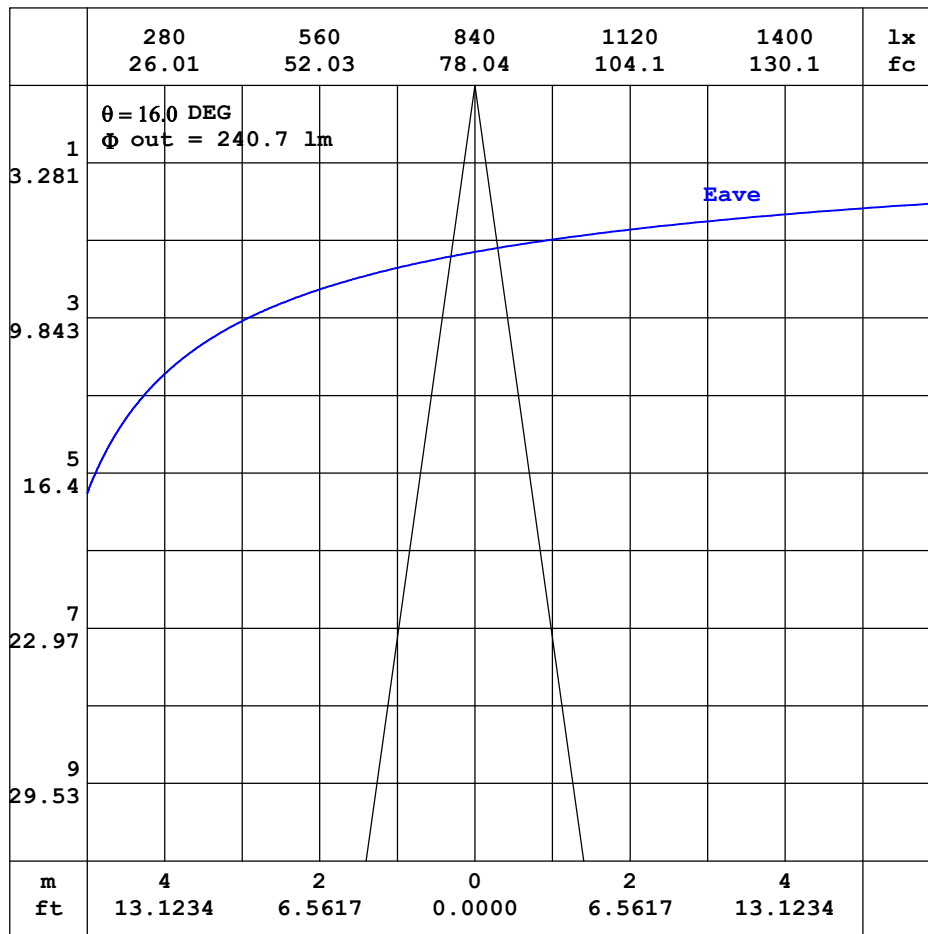


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.7V I:0.3930A P:47.30W PF:0.9900 Freq:60.00Hz Lamp Flux:7121.89x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



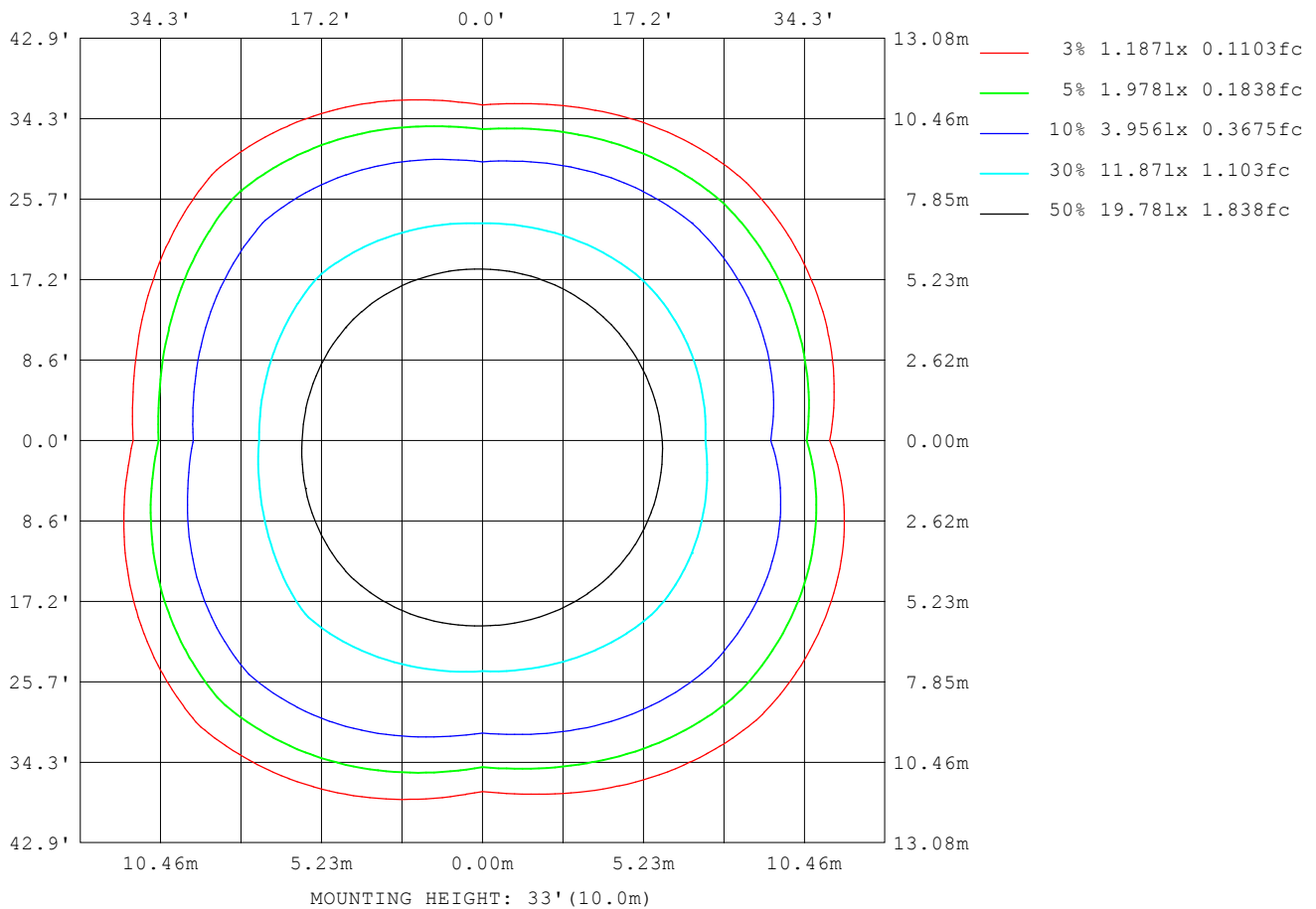
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.7V I:0.3930A P:47.30W PF:0.9900 Freq:60.00Hz Lamp Flux:7121.89x1 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:120.7V I:0.3930A P:47.30W PF:0.9900 Freq:60.00Hz Lamp Flux:7121.89x1 lm		
NAME: 4FT	TYPE:3500K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

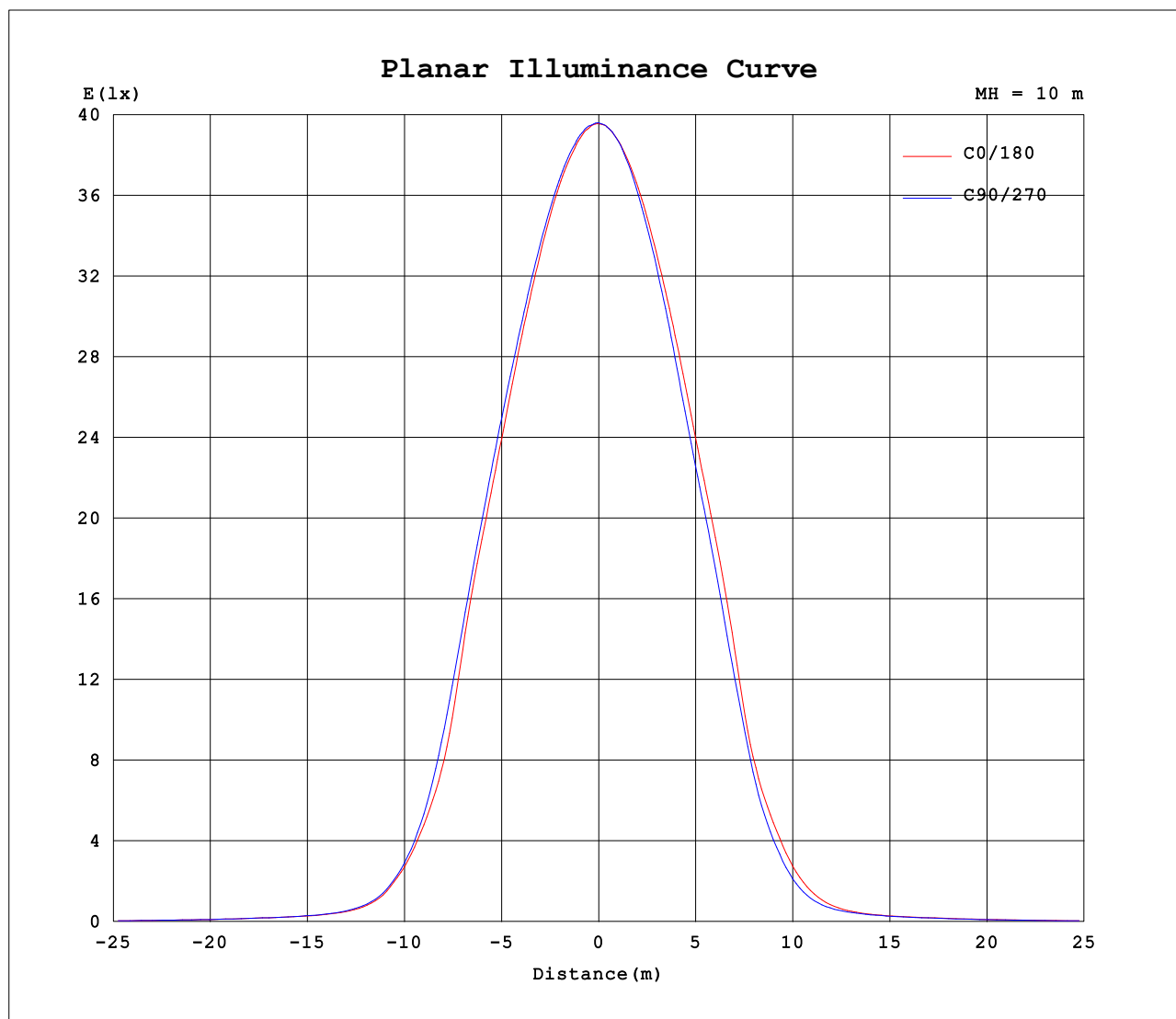
AvgL	cd/m2
L_0~180 (65) av	5559
L_0~180 (75) av	3274
L_0~180 (85) av	3687
L_90~270 (65) av	5446
L_90~270 (75) av	3300
L_90~270 (85) av	2126
L_45 (65) av	5434
L_45 (75) av	3441
L_45 (85) av	3034

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:120.7V I:0.3930A P:47.30W PF:0.9900 Freq:60.00Hz Lamp Flux:7121.89x1 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	3956	3956	3956	3955	3955	3955	3955	3955	3955	3955	3956	3956	3957	3957	3958	3958	3959	3959	3960
5	3940	3942	3943	3944	3945	3945	3946	3947	3948	3949	3950	3950	3951	3952	3952	3953	3953	3954	3954
10	3893	3894	3895	3896	3897	3899	3900	3901	3903	3904	3906	3908	3910	3912	3914	3916	3918	3919	3921
15	3812	3813	3815	3817	3818	3820	3822	3825	3827	3829	3833	3836	3840	3843	3846	3850	3853	3855	3857
20	3668	3673	3678	3683	3687	3692	3697	3701	3706	3710	3715	3720	3725	3729	3734	3738	3741	3744	3747
25	3439	3449	3459	3469	3479	3488	3496	3504	3512	3519	3526	3533	3539	3545	3550	3555	3559	3563	3566
30	3097	3118	3138	3156	3173	3188	3202	3214	3225	3234	3239	3242	3245	3246	3247	3248	3249	3249	3251
35	2453	2520	2580	2634	2681	2722	2757	2785	2806	2821	2812	2797	2779	2759	2737	2715	2694	2676	2662
40	1444	1599	1738	1860	1965	2054	2126	2181	2220	2242	2199	2144	2079	2008	1935	1863	1796	1737	1690
45	770	905	1024	1128	1216	1289	1346	1388	1415	1425	1372	1307	1234	1157	1078	1002	932	873	827
50	312	384	448	504	551	589	620	642	656	661	632	596	556	513	471	429	392	360	335
55	181	211	238	261	281	297	310	319	325	327	314	299	282	265	247	229	213	200	190
60	152	158	163	168	171	175	177	179	180	180	177	174	171	167	163	159	156	154	152
65	117	117	117	117	117	117	117	117	117	117	117	118	118	118	119	119	120	120	121
70	76.1	76.4	76.7	77.0	77.3	77.6	77.9	78.3	78.6	79.0	79.3	79.6	79.9	80.2	80.6	81.0	81.4	81.8	82.2
75	42.0	42.6	43.1	43.6	44.0	44.5	44.9	45.2	45.5	45.8	45.9	46.0	46.1	46.1	46.2	46.3	46.4	46.6	46.8
80	22.1	22.4	22.6	22.9	23.1	23.4	23.6	23.8	24.0	24.2	24.3	24.5	24.6	24.7	24.8	24.9	25.1	25.3	25.4
85	14.4	13.9	13.3	12.9	12.5	12.1	11.8	11.5	11.3	11.1	10.9	10.8	10.8	10.8	10.9	11.0	11.1	11.2	11.4
90	34.5	32.7	30.9	29.1	27.2	25.4	23.6	21.8	20.0	18.2	15.3	12.5	9.85	7.46	5.39	3.74	2.58	2.07	2.08
95	79.2	77.6	75.8	73.6	71.2	68.5	65.4	62.1	58.5	54.7	47.5	40.3	33.2	26.5	20.5	15.2	11.1	8.18	6.80
100	112	110	108	105	102	98.8	95.0	90.9	86.4	81.6	72.8	63.8	55.1	46.9	39.4	32.9	27.7	24.0	22.3
105	139	138	136	134	132	129	125	121	116	111	101	90.9	80.8	71.3	62.5	54.8	48.6	44.3	42.0
110	172	171	170	169	167	164	160	156	151	145	134	122	110	98.8	88.4	79.3	71.9	66.5	63.5
115	208	208	207	206	203	200	196	191	186	179	166	153	139	126	115	104	95.3	89.0	85.3
120	245	244	243	241	237	233	229	223	217	209	195	180	166	152	139	128	118	111	107
125	283	280	277	273	268	262	256	249	242	234	219	203	188	174	161	149	140	133	129
130	319	313	307	300	294	286	279	270	262	253	238	223	208	194	182	171	162	156	153
135	342	334	327	319	311	303	294	285	276	267	253	239	225	212	201	191	183	177	175
140	357	348	339	330	321	313	304	295	286	277	264	251	239	228	218	209	203	198	196
145	358	349	341	332	324	315	307	299	291	283	272	261	251	242	234	227	221	218	216
150	347	340	333	326	320	313	306	300	294	287	279	270	262	255	248	243	239	236	235
155	334	329	323	318	313	308	304	299	294	290	283	277	271	266	261	257	254	252	251
160	320	316	313	310	306	303	300	297	294	291	286	282	278	275	272	269	267	266	265
165	309	307	305	303	301	299	297	295	293	291	289	286	284	282	280	279	278	277	277
170	300	299	298	297	296	295	294	293	292	291	290	289	288	287	287	286	286	286	286
175	295	294	294	293	293	293	293	292	292	292	292	291	291	291	291	291	291	291	291
180	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290

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:120.7V I:0.3930A P:47.30W PF:0.9900 Freq:60.00Hz Lamp Flux:7121.89x1 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	3960	3959	3959	3959	3959	3959	3958	3958	3958	3958	3957	3957	3957	3957	3957	3957	3956	3956	3956
5	3954	3955	3955	3955	3955	3954	3954	3953	3952	3951	3949	3947	3945	3943	3941	3939	3937	3935	3935
10	3921	3922	3922	3922	3921	3921	3920	3918	3917	3914	3910	3907	3903	3900	3896	3893	3889	3886	3885
15	3859	3859	3860	3859	3859	3858	3856	3854	3851	3847	3842	3837	3832	3826	3820	3815	3809	3803	3799
20	3749	3751	3752	3752	3751	3750	3748	3746	3742	3735	3728	3720	3711	3702	3693	3683	3674	3664	3657
25	3571	3575	3578	3580	3582	3582	3581	3578	3574	3562	3549	3535	3520	3505	3489	3473	3457	3441	3432
30	3261	3271	3281	3291	3299	3306	3311	3313	3313	3297	3278	3257	3235	3211	3186	3162	3137	3114	3102
35	2693	2726	2762	2799	2834	2866	2895	2917	2932	2893	2847	2795	2739	2681	2623	2567	2514	2465	2466
40	1758	1838	1926	2017	2108	2195	2273	2339	2389	2311	2216	2110	1997	1880	1763	1652	1551	1462	1496
45	903	992	1089	1192	1295	1394	1486	1565	1628	1563	1481	1386	1283	1175	1067	962	864	777	798
50	378	427	482	539	597	652	703	748	784	748	704	653	597	538	480	423	370	323	336
55	207	228	251	275	299	322	343	362	377	362	343	322	298	274	249	225	203	184	189
60	157	163	169	176	183	189	195	200	203	200	195	190	184	177	171	164	158	153	153
65	122	123	123	124	125	125	126	126	126	126	125	124	123	122	121	120	119	118	117
70	83.1	83.9	84.7	85.5	86.2	86.8	87.3	87.6	87.8	87.0	86.0	84.8	83.6	82.3	81.0	79.6	78.3	77.1	76.6
75	47.6	48.5	49.3	50.2	50.9	51.6	52.2	52.7	52.9	52.1	51.1	50.0	48.8	47.6	46.3	45.0	43.8	42.7	42.5
80	25.9	26.4	26.9	27.3	27.8	28.1	28.4	28.6	28.8	28.3	27.7	27.1	26.4	25.6	24.9	24.2	23.5	22.8	22.7
85	11.7	12.1	12.4	12.9	13.3	13.7	14.1	14.6	15.0	15.4	15.8	16.1	16.4	16.7	17.0	17.3	17.5	17.7	18.0
90	5.65	9.84	14.5	19.6	24.8	30.2	35.6	40.9	45.9	48.4	50.5	52.3	53.8	55.1	56.2	57.1	57.9	58.6	61.0
95	14.0	22.6	32.4	43.1	54.3	65.8	77.3	88.5	99.1	104	109	112	115	117	119	120	120	120	122
100	30.8	41.2	52.9	65.8	79.3	93.3	107	121	134	141	148	153	157	161	163	165	166	167	167
105	51.9	63.9	77.5	92.4	108	124	141	156	172	180	187	193	198	202	205	207	209	209	210
110	74.7	88.2	104	121	138	157	175	194	211	220	228	235	241	246	249	252	253	253	254
115	97.6	112	130	148	168	189	209	229	249	259	269	276	283	288	292	295	297	297	297
120	120	136	154	174	195	216	238	260	281	293	303	313	320	327	332	335	337	338	337
125	142	158	177	197	218	240	263	285	307	320	332	343	352	359	365	370	372	373	371
130	165	181	199	218	239	261	283	305	326	340	353	365	375	384	391	396	400	401	397
135	186	201	217	235	255	275	296	317	337	351	365	377	388	398	406	412	416	418	413
140	206	219	233	249	266	285	303	322	340	354	368	380	391	401	409	416	420	423	418
145	225	235	247	261	275	291	306	322	338	351	363	375	386	395	403	409	414	416	411
150	242	250	259	270	282	294	306	319	331	342	353	363	372	380	387	392	396	398	394
155	256	262	270	278	286	295	305	314	323	332	340	348	355	361	366	370	373	375	371
160	269	273	278	284	289	296	302	309	315	321	327	332	336	341	344	347	349	350	348
165	279	282	285	288	292	295	299	303	307	310	314	317	320	322	324	326	327	328	326
170	287	288	290	291	293	295	297	299	300	302	304	305	306	307	308	309	309	310	309
175	291	292	292	293	294	294	295	295	296	297	297	297	298	298	298	298	298	298	298
180	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290

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:120.7V I:0.3930A P:47.30W PF:0.9900 Freq:60.00Hz Lamp Flux:7121.89x1 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	3956	3956	3956	3955	3955	3955	3955	3955	3956	3956	3957	3957	3958	3958	3959	3959	3960	3960	3959
5	3934	3934	3934	3934	3934	3934	3934	3934	3934	3934	3934	3935	3935	3935	3935	3935	3934	3934	3933
10	3883	3882	3881	3881	3880	3879	3878	3878	3876	3874	3872	3870	3869	3867	3866	3864	3863	3862	3862
15	3795	3791	3787	3784	3780	3777	3773	3770	3766	3762	3759	3755	3752	3749	3747	3744	3742	3741	3740
20	3650	3643	3636	3630	3623	3617	3611	3605	3597	3590	3583	3576	3569	3564	3558	3554	3550	3548	3548
25	3423	3415	3407	3399	3391	3383	3375	3367	3353	3338	3324	3310	3297	3284	3273	3263	3255	3254	3254
30	3091	3080	3071	3062	3053	3045	3036	3026	3009	2992	2975	2958	2941	2926	2911	2899	2888	2884	2882
35	2472	2482	2494	2508	2523	2535	2546	2552	2517	2478	2436	2393	2350	2308	2270	2236	2207	2218	2235
40	1543	1600	1665	1733	1800	1864	1920	1965	1904	1831	1751	1665	1578	1493	1413	1342	1281	1318	1367
45	830	872	921	972	1024	1073	1117	1152	1102	1044	979	910	840	772	707	650	601	628	665
50	355	379	407	437	468	496	522	543	519	489	456	420	384	348	315	284	259	272	291
55	198	209	221	234	248	261	272	282	273	262	250	236	222	209	196	184	173	178	184
60	153	154	156	158	159	161	163	164	163	161	158	156	153	150	148	146	143	143	143
65	116	116	115	115	114	114	113	113	113	112	112	111	111	111	110	110	109	108	107
70	76.3	75.9	75.7	75.5	75.3	75.1	74.9	74.7	74.2	73.6	73.0	72.4	71.8	71.2	70.5	69.9	69.3	68.5	67.8
75	42.4	42.3	42.4	42.5	42.6	42.7	42.8	42.9	42.5	42.1	41.6	41.1	40.6	40.1	39.6	39.1	38.6	38.2	37.7
80	22.6	22.6	22.6	22.7	22.7	22.8	22.8	22.8	22.6	22.3	22.0	21.7	21.4	21.0	20.7	20.4	20.1	19.8	19.6
85	18.2	18.4	18.5	18.6	18.5	18.4	18.1	17.7	16.6	15.5	14.2	12.9	11.7	10.4	9.21	8.11	7.13	6.89	6.80
90	63.2	65.2	66.8	68.0	68.7	68.7	68.1	66.6	59.8	52.3	44.4	36.3	28.2	20.5	13.2	6.74	1.25	2.69	5.17
95	122	122	122	121	119	116	112	107	96.4	84.7	72.6	60.5	48.6	37.3	26.9	17.8	10.3	12.7	16.7
100	167	166	165	162	158	154	148	142	129	115	101	86.3	72.5	59.3	47.3	36.8	28.1	30.5	34.9
105	210	209	207	203	199	194	188	180	165	149	133	116	100	85.1	71.3	59.1	49.0	51.9	56.9
110	253	252	249	245	240	234	226	217	200	182	164	145	127	110	95.0	81.5	70.5	74.6	81.1
115	295	293	289	284	277	270	261	250	232	212	192	172	153	135	119	105	93.1	98.1	106
120	334	330	325	318	310	300	290	278	258	237	216	196	176	158	141	127	116	121	130
125	367	362	355	346	336	325	313	299	279	258	237	217	197	179	163	149	138	144	152
130	392	385	376	366	354	341	328	313	293	273	253	234	216	199	184	171	161	166	174
135	406	398	388	376	364	350	335	320	302	283	265	247	231	216	202	191	183	188	195
140	410	401	391	379	366	352	337	322	306	290	274	258	244	231	220	211	204	207	213
145	404	395	385	374	361	348	335	321	307	293	280	268	256	245	236	229	223	226	231
150	387	380	371	361	350	339	328	316	305	295	284	275	266	258	251	246	241	243	247
155	366	360	353	346	337	329	320	311	303	295	288	281	275	269	264	260	257	258	261
160	344	340	335	329	323	317	311	305	300	295	290	285	281	278	274	272	270	271	272
165	324	321	318	315	311	308	304	300	297	294	291	289	287	284	283	281	280	281	281
170	308	306	305	303	302	300	298	296	295	294	293	291	290	289	289	288	288	288	288
175	298	297	297	296	296	295	294	294	294	293	293	293	292	292	292	292	292	292	292
180	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290

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:120.7V I:0.3930A P:47.30W PF:0.9900 Freq:60.00Hz Lamp Flux:7121.89x1 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	3959	3959	3959	3959	3958	3958	3958	3958	3957	3957	3957	3957	3957	3957	3956				
5	3932	3932	3931	3930	3930	3930	3929	3930	3931	3931	3932	3934	3935	3937	3938				
10	3862	3862	3862	3863	3863	3864	3866	3868	3870	3872	3875	3878	3881	3885	3889				
15	3739	3739	3740	3741	3742	3745	3748	3752	3757	3763	3769	3776	3784	3793	3802				
20	3548	3549	3551	3554	3558	3563	3569	3576	3584	3593	3603	3614	3626	3639	3653				
25	3257	3261	3267	3274	3283	3292	3304	3314	3326	3339	3353	3368	3384	3401	3419				
30	2882	2885	2889	2895	2903	2912	2924	2936	2951	2966	2984	3003	3024	3047	3071				
35	2257	2282	2311	2341	2372	2402	2431	2444	2453	2461	2466	2468	2468	2466	2461				
40	1425	1489	1557	1625	1691	1752	1804	1808	1801	1782	1753	1713	1662	1601	1528				
45	709	758	810	863	915	963	1006	1011	1009	999	980	954	920	878	828				
50	313	338	365	391	417	441	461	462	459	451	439	422	401	376	346				
55	192	201	210	219	228	236	243	242	240	237	232	225	216	206	195				
60	143	143	144	144	145	146	147	147	148	148	149	149	150	151	151				
65	106	105	104	104	103	103	103	103	104	105	107	108	110	112	115				
70	67.2	66.6	66.1	65.7	65.4	65.3	65.3	65.8	66.4	67.3	68.3	69.5	70.8	72.4	74.1				
75	37.4	37.1	36.8	36.6	36.5	36.5	36.5	36.8	37.1	37.5	38.0	38.6	39.3	40.1	41.0				
80	19.4	19.2	19.1	19.0	18.9	18.9	19.0	19.1	19.3	19.5	19.8	20.2	20.6	21.0	21.5				
85	6.84	6.99	7.25	7.60	8.03	8.52	9.07	9.50	9.97	10.5	11.0	11.6	12.3	12.9	13.6				
90	8.51	12.5	17.0	21.8	26.8	31.6	36.2	37.8	39.0	39.7	40.0	39.8	39.1	38.1	36.5				
95	22.1	28.6	35.9	43.7	51.8	59.8	67.6	71.2	74.1	76.6	78.4	79.7	80.4	80.6	80.2				
100	40.8	48.0	56.2	65.1	74.4	83.7	92.7	97.1	101	104	107	109	111	112	112				
105	63.8	72.1	81.5	91.6	102	113	123	127	131	135	137	139	140	140	140				
110	89.6	99.8	111	123	136	148	160	165	169	172	175	176	176	176	174				
115	116	127	140	154	168	182	196	201	206	210	212	214	214	213	211				
120	141	154	168	183	198	214	228	235	240	245	248	250	250	250	248				
125	163	176	190	205	221	237	252	259	266	271	276	279	282	283	284				
130	185	197	210	225	240	256	271	279	287	294	300	305	309	313	316				
135	205	216	229	242	257	271	285	294	302	309	316	322	328	333	338				
140	221	230	241	253	265	278	291	299	307	315	323	330	337	344	351				
145	237	244	253	262	272	283	294	301	308	316	323	330	337	344	351				
150	251	257	264	271	279	287	295	301	307	313	318	324	330	336	341				
155	264	268	272	277	283	289	294	299	303	307	312	316	320	325	329				
160	274	277	280	283	287	291	294	297	300	303	306	308	311	314	317				
165	282	284	285	287	289	291	293	295	297	298	300	302	304	305	307				
170	288	289	289	290	291	291	292	293	294	295	295	296	297	298	299				
175	292	292	292	292	292	292	292	293	293	293	293	293	294	294	294				
180	290	290	290	290	290	290	290	290	290	290	290	290	290	290	290				

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: