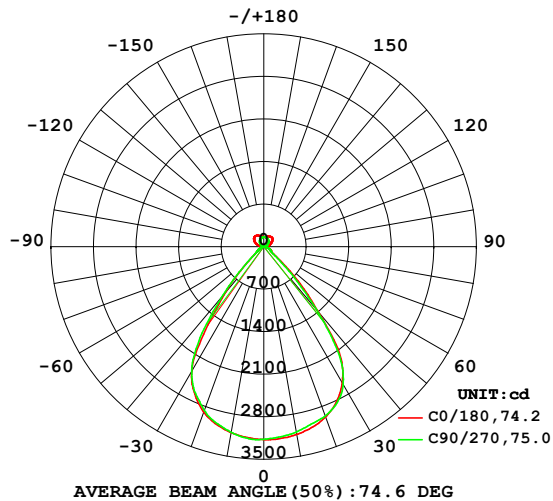


LUMINAIRE PHOTOMETRIC TEST REPORT

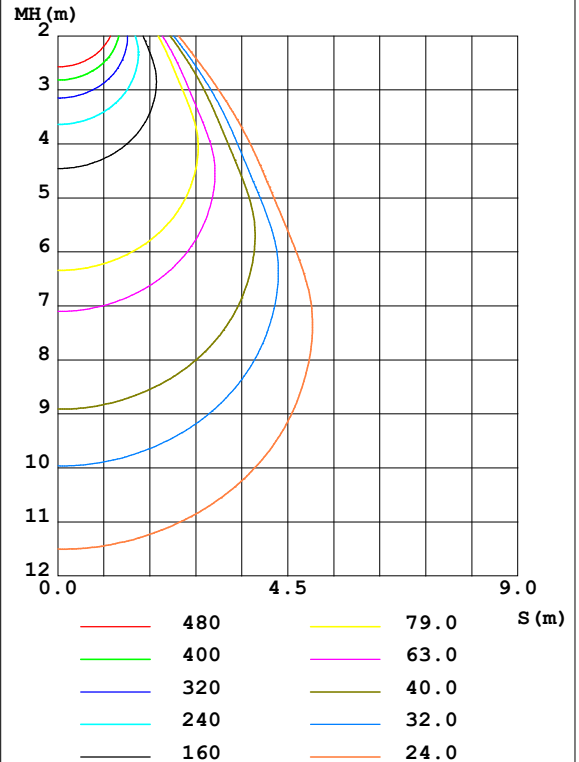
Test:U:120.9V I:0.3080A P:37.10W PF:0.9900 Freq:60.00Hz Lamp Flux:5379.53x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.00 lm/W			
MODEL		I _{max} (cd)	3178	S/MH(C0/180)	1.12
NOMINAL POWER(W)	36W	LOR(%)	100.0	S/MH(C90/270)	1.06
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	5379.5	η UP,DN(C0-180)	6.5,45.5
NOMINAL FLUX(lm)	5379.53	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	6.7,41.4
LAMPS INSIDE	1	η up(%)	13.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	86.9	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:

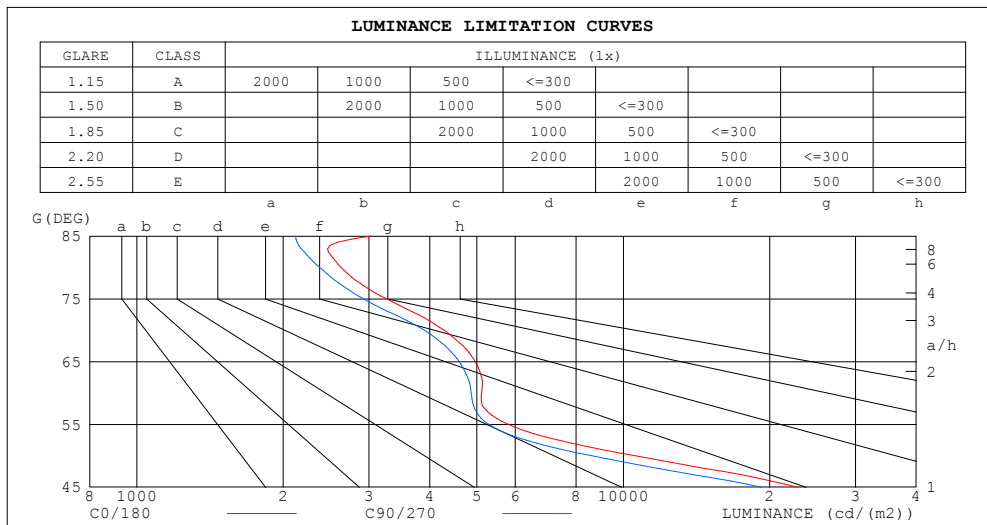
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3135	3112	3095	3092	3105	3113	3102	3115	0- 10	299.7	299.7	5.57,5.57
20	2982	2946	2963	2902	2896	2867	2865	2902	10- 20	853.7	1153	21.4,21.4
30	2581	2637	2617	2555	2379	2369	2375	2455	20- 30	1260	2413	44.9,44.9
40	1381	1932	1345	1777	982.4	1451	1049	1617	30- 40	1264	3677	68.4,68.4
50	339.3	649.6	275.9	506.9	198.0	372.4	203.7	444.0	40- 50	661.7	4339	80.7,80.7
60	127.8	167.0	121.7	142.4	111.7	115.5	114.7	129.3	50- 60	193.9	4533	84.3,84.3
70	73.21	71.56	66.70	61.97	49.66	51.96	54.58	59.55	60- 70	91.75	4625	86,86
80	22.83	23.33	20.64	18.92	13.45	14.65	15.61	17.96	70- 80	38.48	4663	86.7,86.7
90	20.05	11.83	1.827	2.646	1.209	7.290	0.1317	20.28	80- 90	10.67	4674	86.9,86.9
100	64.34	47.10	11.98	67.67	64.32	75.77	15.50	56.68	90-100	30.16	4704	87.4,87.4
110	100.9	82.59	34.82	114.6	135.5	119.0	38.58	92.52	100-110	74.70	4779	88.8,88.8
120	142.4	118.4	58.82	154.8	185.3	152.8	62.66	127.4	110-120	107.2	4886	90.8,90.8
130	180.1	143.4	84.29	179.3	218.9	171.6	87.57	151.2	120-130	124.8	5011	93.1,93.1
140	199.8	156.9	108.4	186.6	229.9	175.7	111.2	161.5	130-140	123.5	5134	95.4,95.4
150	195.9	162.1	130.0	181.9	215.8	172.4	132.2	163.8	140-150	105.4	5240	97.4,97.4
160	179.9	163.1	147.3	172.9	190.6	167.5	148.8	163.3	150-160	77.64	5317	98.8,98.8
170	166.7	162.5	158.5	165.5	169.9	164.0	159.4	162.1	160-170	46.77	5364	99.7,99.7
180	157.4	157.4	157.4	157.4	157.4	157.4	157.4	157.4	170-180	15.55	5380	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:120.9V I:0.3080A P:37.10W PF:0.9900 Freq:60.00Hz Lamp Flux:5379.53x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3031	2122
80	2630	2377
75	3259	2923
70	4281	3901
65	4961	4600
60	5112	4869
55	5802	5288
50	10557	8585
45	22847	19244

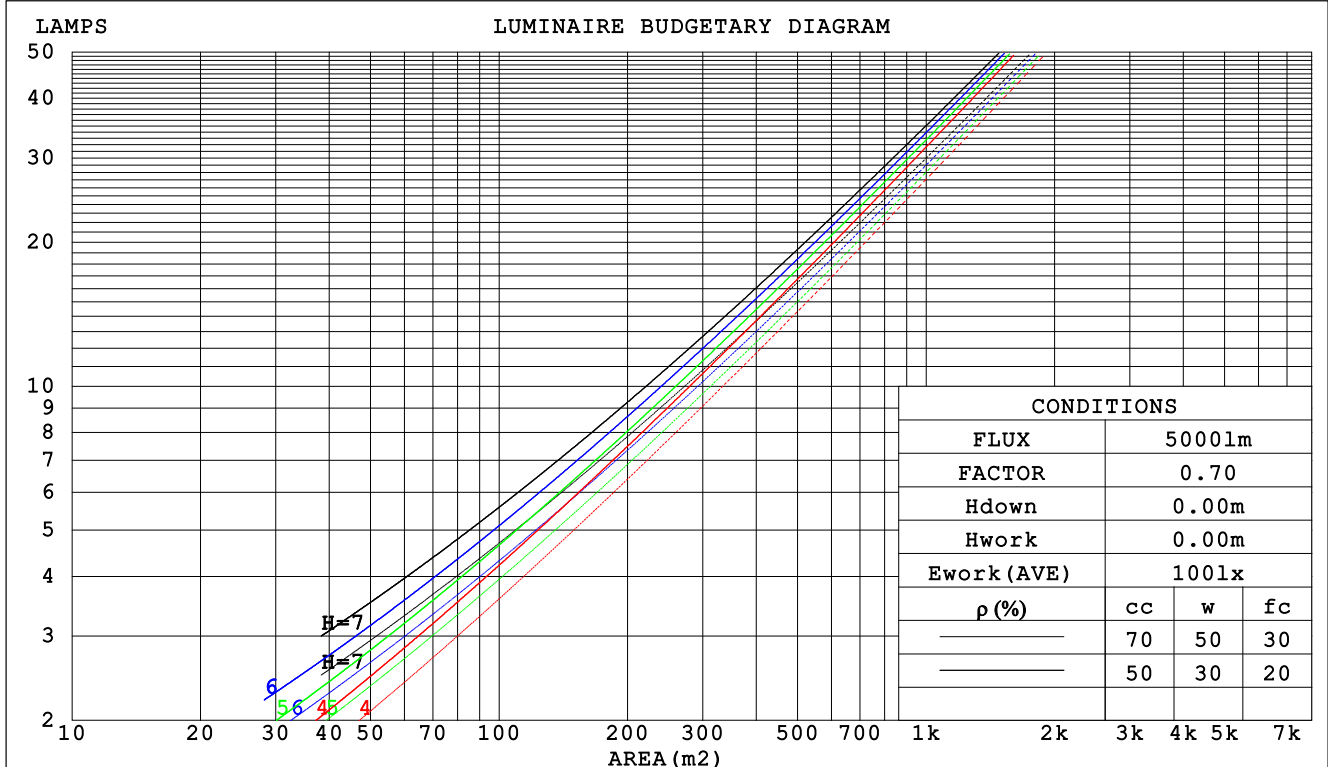
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.9V I:0.3080A P:37.10W PF:0.9900 Freq:60.00Hz Lamp Flux:5379.53x1 lm		
NAME: 4FT	TYPE:3000K 1.9	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	1.16	1.16	1.16	1.12	1.12	1.12	1.04	1.04	1.04	.97	.97	.97	.90	.90	.90	.87
1.0	1.06	1.03	1.00	1.02	.90	.97	.96	.94	.92	.90	.88	.87	.84	.83	.82	.79
2.0	.96	.91	.87	.93	.89	.85	.88	.84	.81	.83	.80	.78	.78	.76	.74	.72
3.0	.88	.82	.77	.85	.80	.76	.81	.76	.73	.76	.73	.70	.73	.70	.67	.65
4.0	.80	.74	.69	.78	.72	.68	.74	.69	.65	.71	.66	.63	.67	.64	.61	.59
5.0	.74	.67	.62	.72	.66	.61	.68	.63	.59	.65	.61	.57	.62	.59	.56	.54
6.0	.68	.61	.56	.66	.60	.55	.63	.58	.54	.61	.56	.52	.58	.54	.51	.49
7.0	.63	.56	.51	.61	.55	.50	.59	.53	.49	.56	.51	.48	.54	.50	.47	.45
8.0	.58	.51	.46	.57	.50	.46	.55	.49	.45	.52	.47	.44	.50	.46	.43	.41
9.0	.54	.47	.43	.53	.46	.42	.51	.45	.41	.49	.44	.40	.47	.43	.40	.38
10.0	.50	.44	.39	.49	.43	.39	.48	.42	.38	.46	.41	.37	.44	.40	.37	.35



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:120.9V I:0.3080A P:37.10W PF:0.9900 Freq:60.00Hz Lamp Flux:5379.53x1 lm					
NAME: 4FT			TYPE:3000K 1.9		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	.215	.122	.039	.204	.116	.037	.184	.105	.034	.165	.095	.031	.148	.086	.028		
2.0	.206	.113	.035	.197	.108	.033	.179	.099	.031	.162	.091	.029	.147	.083	.026		
3.0	.196	.104	.031	.187	.100	.030	.172	.093	.028	.157	.086	.026	.143	.079	.025		
4.0	.186	.096	.028	.178	.093	.028	.164	.087	.026	.151	.081	.024	.138	.075	.023		
5.0	.176	.090	.026	.169	.087	.025	.156	.081	.024	.144	.076	.023	.133	.071	.021		
6.0	.167	.084	.024	.161	.081	.023	.149	.076	.022	.138	.072	.021	.128	.067	.020		
7.0	.158	.078	.022	.153	.076	.022	.142	.072	.021	.132	.068	.020	.123	.064	.019		
8.0	.150	.074	.021	.145	.072	.020	.136	.068	.019	.126	.064	.018	.118	.060	.018		
9.0	.143	.069	.019	.139	.068	.019	.129	.064	.018	.121	.061	.017	.113	.057	.017		
10.0	.137	.065	.018	.132	.064	.018	.124	.061	.017	.116	.058	.016	.108	.055	.016		

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	.290	.290	.290	.248	.248	.248	.169	.169	.169	.097	.097	.097	.031	.031	.031	
1.0	.275	.258	.243	.235	.221	.209	.161	.152	.144	.092	.088	.084	.030	.028	.027	
2.0	.262	.234	.210	.225	.201	.181	.154	.139	.127	.089	.081	.074	.028	.026	.024	
3.0	.252	.216	.187	.216	.186	.162	.148	.129	.114	.086	.076	.067	.028	.025	.022	
4.0	.244	.202	.170	.209	.175	.148	.144	.122	.104	.083	.071	.062	.027	.023	.020	
5.0	.236	.191	.158	.203	.165	.138	.140	.116	.097	.081	.068	.058	.026	.022	.019	
6.0	.229	.183	.149	.197	.158	.130	.136	.111	.092	.079	.065	.055	.025	.021	.018	
7.0	.223	.176	.142	.192	.152	.124	.133	.107	.088	.077	.063	.052	.025	.021	.017	
8.0	.218	.170	.137	.188	.147	.119	.130	.103	.085	.076	.061	.050	.024	.020	.017	
9.0	.213	.165	.133	.183	.143	.116	.127	.101	.082	.074	.059	.049	.024	.020	.016	
10.0	.208	.161	.129	.180	.140	.113	.125	.098	.080	.073	.058	.048	.024	.019	.016	

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:120.9V I:0.3080A P:37.10W PF:0.9900 Freq:60.00Hz Lamp Flux:5379.53x1 lm											
NAME: 4FT					TYPE:3000K 1.9			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	20.7	21.7	21.1	22.1	22.5	20.1	21.2	20.5	21.5	22.0
	3H	20.6	21.5	21.1	22.0	22.4	20.1	21.0	20.5	21.4	21.9
	4H	20.6	21.4	21.0	21.9	22.4	20.0	20.9	20.5	21.3	21.8
	6H	20.5	21.3	21.0	21.8	22.3	19.9	20.7	20.4	21.2	21.7
	8H	20.4	21.2	21.0	21.7	22.2	19.9	20.7	20.4	21.1	21.7
	12H	20.4	21.1	20.9	21.6	22.2	19.8	20.6	20.4	21.1	21.6
4H	2H	20.5	21.3	20.9	21.8	22.3	19.9	20.8	20.4	21.2	21.7
	3H	20.4	21.2	21.0	21.7	22.2	19.9	20.7	20.4	21.2	21.7
	4H	20.4	21.1	21.0	21.6	22.2	19.9	20.6	20.4	21.1	21.6
	6H	20.4	20.9	20.9	21.5	22.1	19.8	20.4	20.4	21.0	21.6
	8H	20.3	20.9	20.9	21.4	22.1	19.8	20.3	20.4	20.9	21.5
	12H	20.3	20.8	20.9	21.4	22.0	19.8	20.2	20.4	20.8	21.5
8H	4H	20.3	20.8	20.9	21.4	22.0	19.8	20.3	20.4	20.9	21.5
	6H	20.2	20.7	20.9	21.3	22.0	19.7	20.2	20.4	20.8	21.5
	8H	20.2	20.6	20.9	21.2	21.9	19.7	20.1	20.4	20.7	21.4
	12H	20.2	20.5	20.9	21.2	21.9	19.7	20.0	20.3	20.7	21.4
12H	4H	20.2	20.7	20.8	21.3	22.0	19.7	20.2	20.3	20.8	21.4
	6H	20.2	20.6	20.8	21.2	21.9	19.7	20.1	20.3	20.7	21.4
	8H	20.2	20.5	20.8	21.2	21.9	19.7	20.0	20.3	20.6	21.4
Variations with the observer position at spacings:											
S = 1.0H		+ 2.5 / - 5.1				+ 2.4 / - 5.1					
1.5H		+ 2.6 / - 5.1				+ 2.8 / - 5.2					
2.0H		+ 4.8 / - 3.9				+ 4.2 / - 3.3					

CIE Pub.117 Corrected 5380 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.8)

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

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

UTILIZATION FACTORS TABLE

Test:U:120.9V I:0.3080A P:37.10W PF:0.9900 Freq:60.00Hz Lamp Flux:5379.53x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

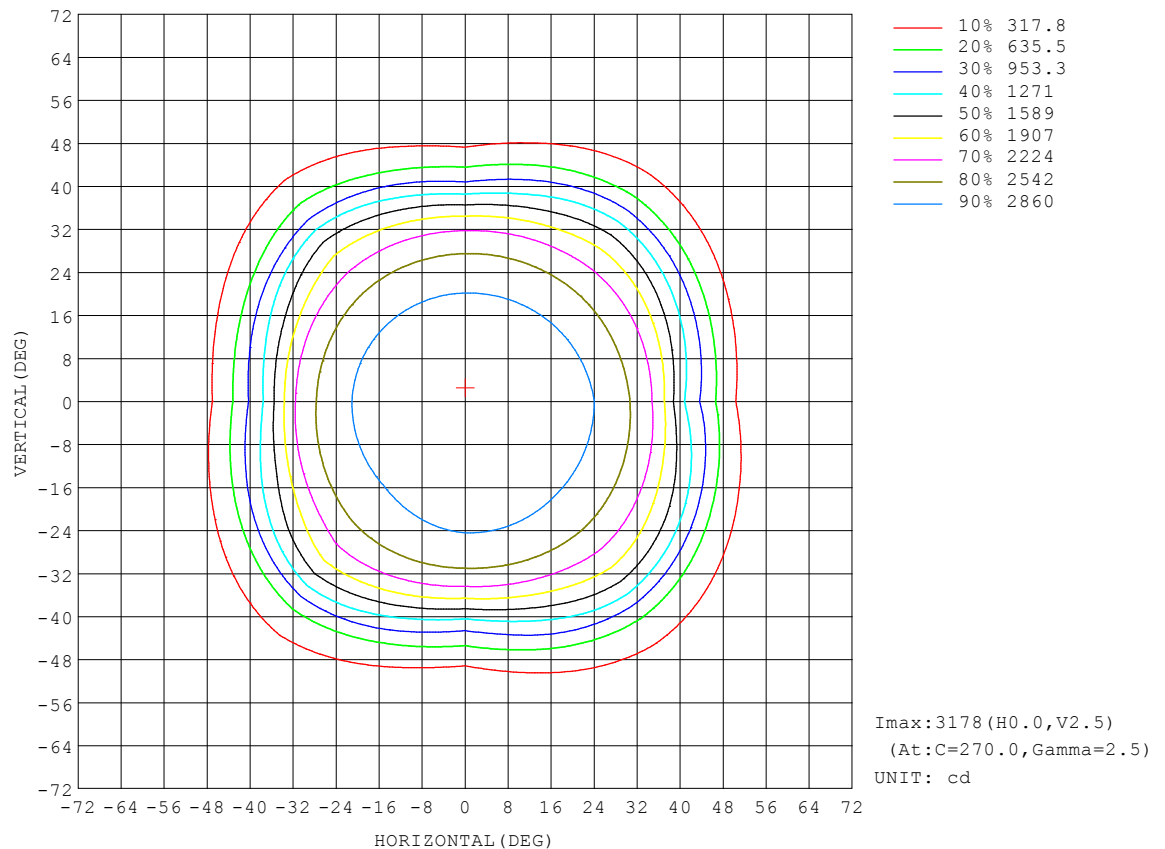
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	72	63	59	71	63	58	69	62	58	53
0.80	81	72	67	79	72	67	77	70	66	60
1.00	87	79	74	85	78	73	82	77	72	66
1.25	92	85	80	90	84	79	87	81	77	71
1.50	96	89	84	94	88	83	89	85	81	74
2.00	100	94	90	98	92	88	93	89	86	77
2.50	103	97	93	100	95	91	95	91	88	78
3.00	105	100	96	102	98	94	96	93	90	80
4.00	108	104	100	104	101	98	98	96	93	82
5.00	109	106	103	106	103	100	99	97	95	83
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:120.9V I:0.3080A P:37.10W PF:0.9900 Freq:60.00Hz Lamp Flux:5379.53x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

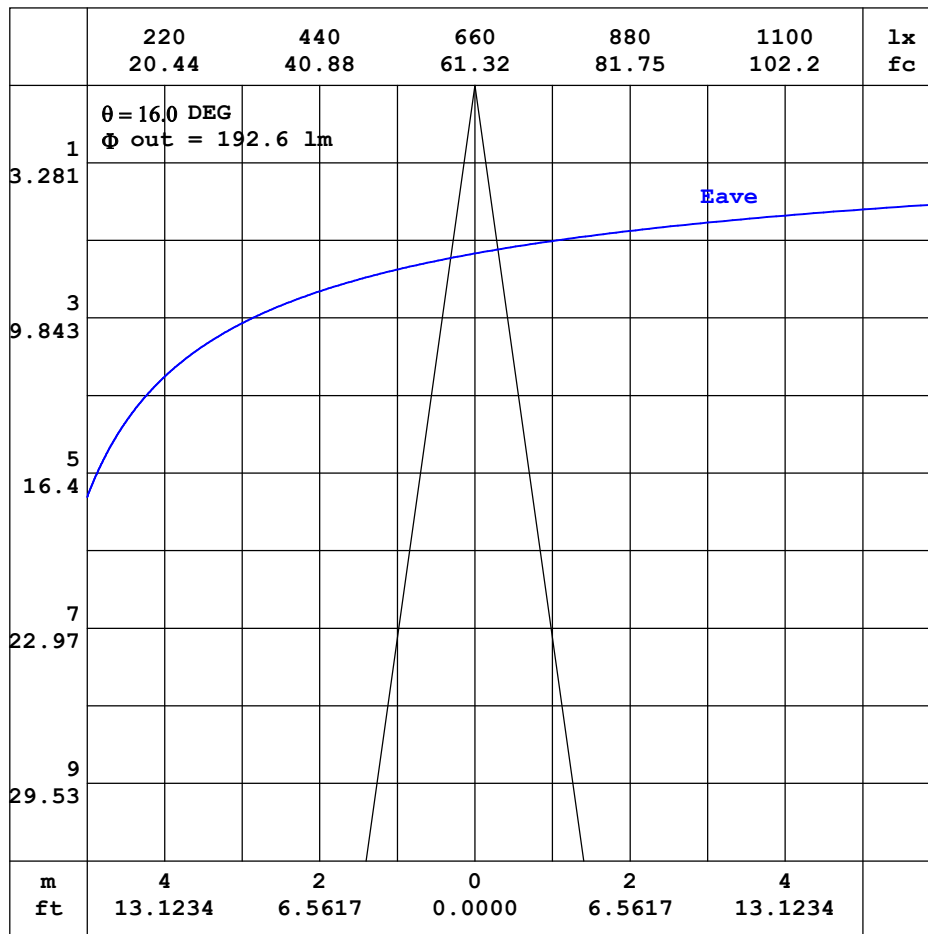


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.9V I:0.3080A P:37.10W PF:0.9900 Freq:60.00Hz Lamp Flux:5379.53x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



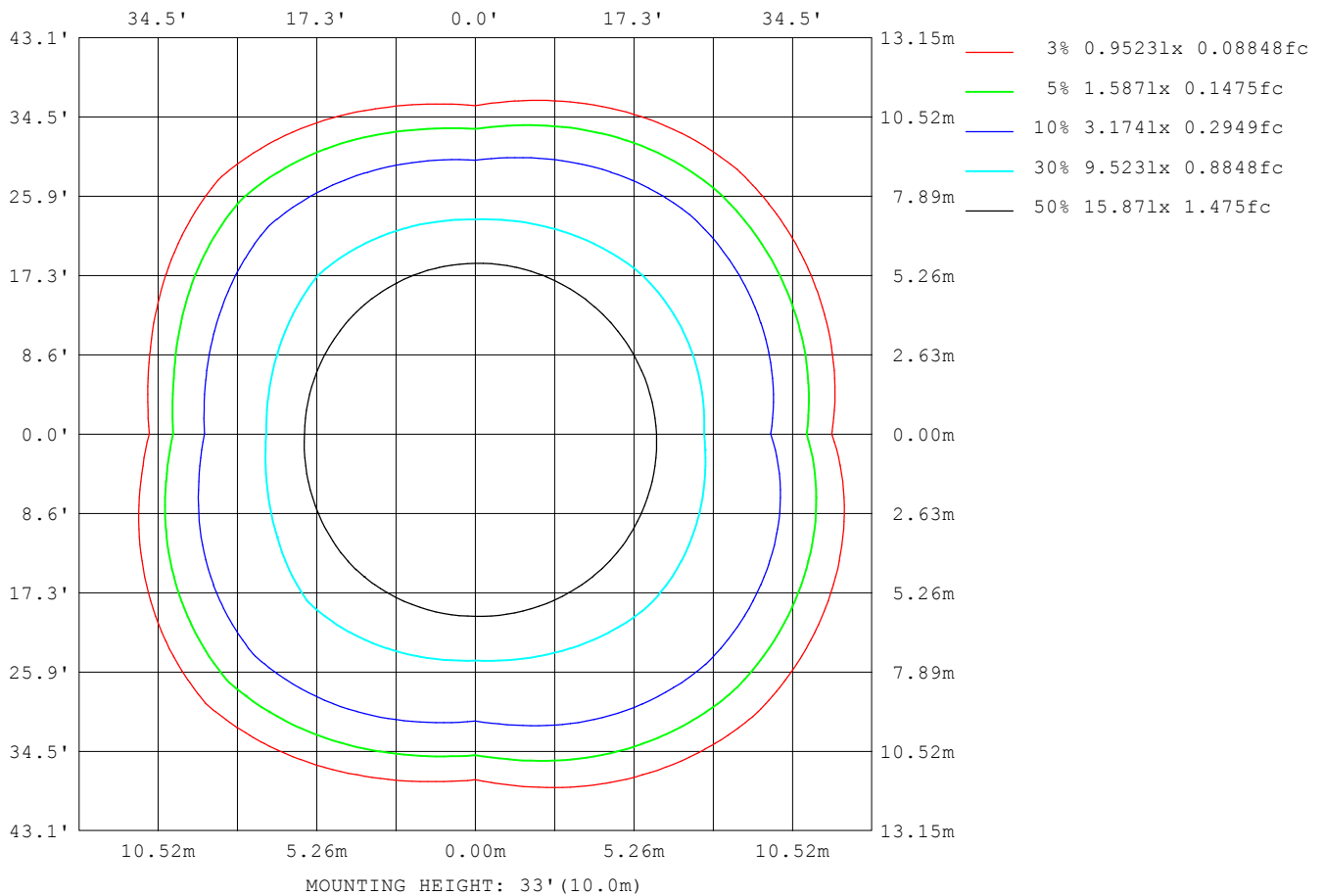
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.9V I:0.3080A P:37.10W PF:0.9900 Freq:60.00Hz Lamp Flux:5379.53x1 lm		
NAME: 4FT	TYPE:3000K 1.9	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:120.9V I:0.3080A P:37.10W PF:0.9900 Freq:60.00Hz Lamp Flux:5379.53x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

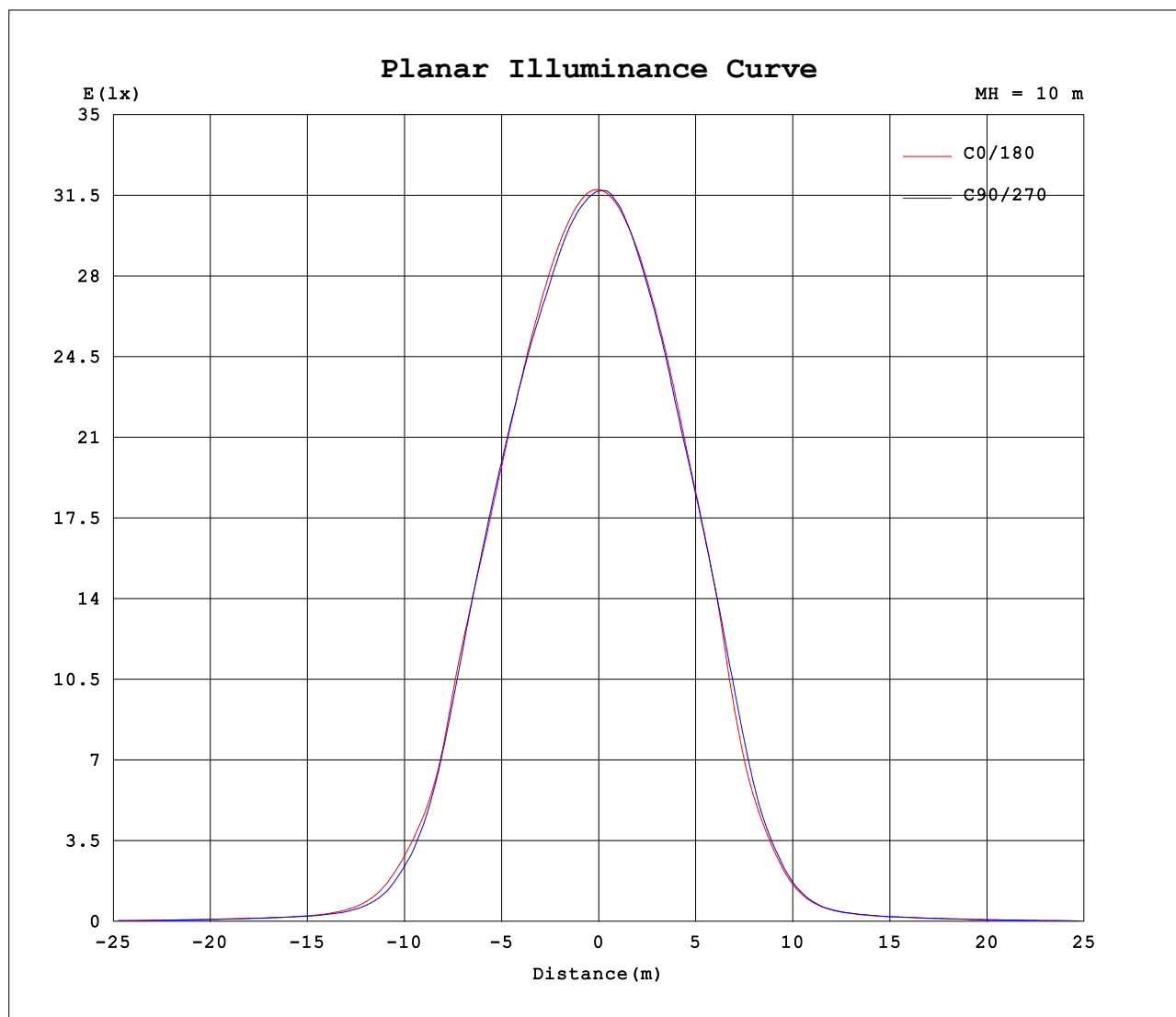
AvgL	cd/m2
L_0~180 (65) av	4423
L_0~180 (75) av	2676
L_0~180 (85) av	2010
L_90~270 (65) av	4361
L_90~270 (75) av	2635
L_90~270 (85) av	1662
L_45 (65) av	4335
L_45 (75) av	2746
L_45 (85) av	1923

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:120.9V I:0.3080A P:37.10W PF:0.9900 Freq:60.00Hz Lamp Flux:5379.53x1 lm																		
NAME: 4FT									TYPE:3000K 1.9					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	3174	3174	3173	3173	3172	3172	3171	3171	3171	3170	3170	3170	3170	3170	3169	3169	3169	3169	3169
5	3170	3167	3164	3161	3158	3156	3154	3152	3150	3148	3147	3146	3145	3144	3143	3143	3142	3141	3141
10	3135	3132	3130	3127	3124	3121	3119	3116	3114	3112	3109	3107	3105	3103	3101	3100	3098	3097	3095
15	3078	3072	3067	3061	3056	3052	3048	3044	3040	3037	3034	3032	3030	3028	3027	3026	3025	3024	3023
20	2982	2975	2969	2964	2959	2955	2952	2949	2947	2946	2948	2950	2952	2955	2957	2960	2961	2963	2963
25	2826	2826	2827	2827	2827	2828	2829	2829	2830	2831	2834	2836	2839	2841	2843	2844	2845	2844	2843
30	2581	2591	2600	2608	2615	2622	2627	2631	2634	2637	2638	2638	2637	2635	2633	2630	2626	2622	2617
35	2201	2235	2264	2288	2309	2325	2337	2345	2348	2348	2331	2311	2288	2264	2239	2214	2189	2167	2148
40	1381	1498	1601	1691	1766	1827	1875	1908	1927	1932	1884	1824	1756	1684	1609	1534	1464	1400	1345
45	808	927	1031	1121	1196	1255	1300	1330	1346	1346	1289	1221	1144	1062	978	894	815	742	680
50	339	408	467	519	562	596	622	640	649	650	618	580	537	491	444	397	352	311	276
55	166	198	225	249	269	285	298	306	311	312	299	283	265	245	224	204	185	167	152
60	128	136	144	150	156	160	163	166	167	167	163	159	154	148	143	137	131	126	122
65	105	105	105	104	104	104	104	103	103	103	102	102	101	100	99.8	99.1	98.5	97.9	97.2
70	73.2	73.2	73.1	73.0	72.9	72.7	72.5	72.2	71.9	71.6	71.1	70.6	70.1	69.6	69.0	68.5	67.9	67.3	66.7
75	42.2	42.6	43.0	43.3	43.5	43.6	43.6	43.6	43.4	43.2	42.8	42.2	41.7	41.0	40.4	39.7	39.1	38.4	37.8
80	22.8	23.0	23.2	23.4	23.4	23.5	23.5	23.5	23.4	23.3	23.1	22.9	22.6	22.3	22.0	21.6	21.3	21.0	20.6
85	13.2	13.0	12.8	12.6	12.4	12.2	12.0	11.7	11.5	11.3	11.1	10.8	10.6	10.4	10.1	9.92	9.69	9.47	9.25
90	20.0	19.2	18.4	17.5	16.6	15.7	14.8	13.8	12.8	11.8	10.6	9.31	8.07	6.85	5.68	4.58	3.56	2.63	1.83
95	43.8	43.1	42.2	41.1	39.8	38.3	36.7	34.9	32.9	30.7	27.1	23.4	19.7	16.1	12.7	9.60	6.87	4.61	2.91
100	64.3	63.3	62.1	60.6	58.9	57.0	54.8	52.5	49.9	47.1	42.1	37.0	32.0	27.2	22.8	19.0	15.8	13.4	12.0
105	82.8	81.8	80.5	79.0	77.1	75.0	72.7	70.0	67.1	63.9	58.0	52.1	46.2	40.6	35.5	30.9	27.2	24.5	22.9
110	101	100	99.4	98.1	96.4	94.4	92.0	89.2	86.1	82.6	75.9	69.0	62.2	55.7	49.6	44.3	39.9	36.7	34.8
115	121	121	120	119	117	115	112	109	105	102	93.9	86.0	78.2	70.8	63.8	57.7	52.6	48.8	46.6
120	142	141	140	138	136	133	130	127	123	118	110	101	93.0	84.9	77.5	70.8	65.3	61.3	58.8
125	162	161	158	156	153	150	146	142	137	132	124	115	106	97.9	90.2	83.5	78.0	73.9	71.5
130	180	177	174	170	167	162	158	153	149	143	135	126	117	109	102	95.6	90.3	86.5	84.3
135	193	189	185	181	176	172	167	162	157	152	143	135	127	120	113	107	102	98.6	96.7
140	200	195	191	186	181	177	172	167	162	157	149	142	135	128	122	117	113	110	108
145	201	196	192	187	183	178	174	169	165	160	154	148	142	136	131	127	123	121	120
150	196	192	188	184	181	177	173	169	166	162	157	152	147	143	139	135	133	131	130
155	188	185	182	180	177	174	171	168	166	163	159	156	152	149	146	143	141	140	139
160	180	178	176	174	172	170	169	167	165	163	161	158	156	154	152	150	149	148	147
165	172	171	170	169	168	167	166	165	164	163	161	160	159	158	156	156	155	154	154
170	167	166	166	165	165	164	164	163	163	163	162	161	161	160	160	159	159	159	158
175	163	163	163	163	163	163	163	162	162	162	162	162	162	162	161	161	161	161	161
180	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157

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:120.9V I:0.3080A P:37.10W PF:0.9900 Freq:60.00Hz Lamp Flux:5379.53x1 lm		
NAME: 4FT	TYPE:3000K 1.9	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	3169	3168	3168	3167	3167	3167	3166	3166	3166	3167	3168	3169	3170	3171	3172	3173	3174	3174	3174
5	3140	3139	3138	3138	3137	3137	3136	3136	3137	3138	3140	3141	3143	3145	3147	3150	3152	3154	3155
10	3094	3093	3093	3092	3091	3091	3091	3091	3092	3093	3094	3095	3097	3099	3100	3102	3104	3105	3107
15	3022	3021	3021	3020	3020	3019	3019	3019	3019	3020	3020	3021	3022	3023	3024	3024	3025	3025	3024
20	2958	2952	2945	2938	2931	2923	2916	2909	2902	2900	2899	2898	2897	2897	2897	2896	2896	2896	2893
25	2837	2830	2822	2814	2804	2795	2785	2774	2764	2753	2743	2733	2724	2714	2705	2697	2689	2683	2679
30	2613	2609	2605	2599	2592	2585	2576	2566	2555	2536	2516	2495	2474	2453	2433	2413	2395	2379	2372
35	2160	2175	2191	2207	2221	2232	2239	2240	2235	2177	2113	2045	1975	1906	1839	1776	1720	1672	1687
40	1384	1432	1487	1545	1603	1658	1708	1748	1777	1703	1618	1525	1427	1327	1230	1137	1054	982	1011
45	714	758	810	866	924	980	1032	1076	1110	1054	986	911	831	749	668	590	518	456	472
50	293	315	342	372	403	433	462	487	507	481	449	413	375	336	298	261	227	198	209
55	159	169	180	193	207	220	233	244	253	243	231	218	203	188	172	158	144	132	136
60	123	125	127	130	133	135	138	141	142	140	137	134	130	126	122	119	115	112	111
65	96.7	96.2	95.7	95.2	94.6	94.0	93.4	92.7	92.0	90.9	89.7	88.5	87.3	86.1	85.0	84.0	83.0	82.1	81.7
70	66.3	65.9	65.5	65.0	64.6	64.0	63.4	62.7	62.0	60.6	59.1	57.6	56.1	54.6	53.2	51.9	50.7	49.7	49.5
75	37.6	37.5	37.3	37.2	37.0	36.8	36.6	36.3	35.9	34.9	33.9	32.9	31.8	30.7	29.7	28.7	27.9	27.1	27.0
80	20.5	20.3	20.2	20.0	19.9	19.7	19.5	19.2	18.9	18.3	17.7	17.0	16.3	15.7	15.0	14.5	13.9	13.4	13.4
85	9.18	9.12	9.07	9.01	8.94	8.86	8.75	8.62	8.45	7.99	7.51	7.01	6.50	6.00	5.52	5.07	4.66	4.31	4.32
90	1.85	1.90	1.96	2.03	2.11	2.18	2.24	2.43	2.65	2.42	2.18	1.94	1.70	1.52	1.36	1.22	1.18	1.21	1.89
95	4.71	7.03	9.78	12.8	16.0	19.3	22.5	25.6	28.3	27.8	26.9	25.8	24.6	23.3	22.1	21.0	20.2	19.7	22.7
100	16.4	21.8	27.9	34.4	41.3	48.3	55.1	61.7	67.7	68.9	69.4	69.5	69.1	68.4	67.4	66.4	65.3	64.3	66.4
105	28.1	34.4	41.6	49.5	57.8	66.4	75.1	83.6	91.6	95.7	99.2	102	105	106	108	109	109	109	110
110	40.8	48.1	56.4	65.6	75.3	85.3	95.4	105	115	119	124	127	130	132	134	135	135	136	136
115	53.3	61.6	71.0	81.4	92.4	104	115	126	137	143	148	152	155	158	160	161	162	162	162
120	65.8	74.5	84.4	95.4	107	119	131	143	155	161	167	172	176	180	182	184	185	185	185
125	78.6	87.3	97.3	108	120	133	145	157	169	176	183	189	193	197	201	203	204	205	203
130	91.1	99.5	109	120	131	143	156	168	179	187	194	200	206	210	214	217	218	219	217
135	103	111	120	129	140	151	163	174	185	193	200	207	212	217	221	225	227	228	225
140	114	121	128	137	147	156	167	177	187	194	201	208	214	219	223	227	229	230	227
145	124	130	136	144	151	160	168	177	185	192	199	205	210	215	219	222	225	226	223
150	134	138	143	149	155	162	168	175	182	188	193	198	203	207	210	213	215	216	213
155	142	145	149	153	158	163	168	173	178	182	186	190	194	197	199	201	203	204	202
160	149	151	154	156	160	163	166	170	173	176	179	181	184	186	188	189	190	191	189
165	155	156	158	159	161	163	165	167	169	170	172	174	175	176	177	178	179	179	178
170	159	160	160	161	162	163	164	165	165	166	167	168	168	169	169	170	170	170	170
175	161	162	162	162	162	163	163	163	163	164	164	164	164	164	164	164	165	165	164
180	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157

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:120.9V I:0.3080A P:37.10W PF:0.9900 Freq:60.00Hz Lamp Flux:5379.53x1 lm		
NAME: 4FT	TYPE:3000K 1.9	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	3174	3174	3173	3173	3172	3171	3171	3170	3170	3170	3170	3170	3169	3169	3169	3169	3169	3169	3168
5	3157	3158	3160	3161	3162	3163	3164	3165	3165	3165	3165	3165	3165	3165	3165	3165	3164	3164	3164
10	3108	3109	3111	3111	3112	3113	3113	3113	3112	3111	3110	3108	3107	3105	3104	3103	3102	3102	3103
15	3023	3022	3021	3020	3019	3018	3016	3015	3014	3012	3011	3010	3010	3009	3008	3008	3008	3008	3008
20	2890	2886	2883	2880	2876	2873	2870	2867	2866	2864	2863	2863	2862	2862	2863	2864	2865	2868	2870
25	2676	2674	2672	2671	2670	2670	2670	2670	2668	2666	2665	2664	2663	2662	2663	2663	2665	2668	2672
30	2368	2365	2363	2363	2363	2365	2367	2369	2368	2367	2367	2367	2367	2368	2369	2372	2375	2381	2387
35	1711	1742	1779	1819	1860	1901	1941	1976	1966	1951	1933	1913	1893	1872	1854	1838	1827	1848	1873
40	1053	1104	1162	1224	1286	1347	1403	1451	1416	1372	1323	1271	1217	1166	1119	1079	1049	1097	1154
45	497	531	570	612	655	698	737	771	744	710	673	635	597	560	528	502	484	528	580
50	224	243	265	288	312	334	355	372	357	338	317	295	273	252	232	216	204	224	248
55	141	147	155	163	171	179	187	193	188	181	174	167	159	152	146	140	136	144	153
60	111	111	111	112	113	114	115	115	115	115	115	115	114	114	114	114	115	116	118
65	81.4	81.2	81.1	81.1	81.2	81.4	81.7	82.0	82.5	83.0	83.5	84.1	84.7	85.3	85.9	86.5	87.1	87.2	87.4
70	49.4	49.5	49.7	50.0	50.5	50.9	51.4	52.0	52.2	52.4	52.7	53.0	53.2	53.5	53.9	54.2	54.6	54.9	55.3
75	26.9	27.0	27.2	27.4	27.7	28.0	28.4	28.8	28.9	29.1	29.2	29.4	29.5	29.7	29.9	30.1	30.4	30.6	31.0
80	13.4	13.4	13.6	13.7	13.9	14.2	14.4	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.5	15.6	15.8	16.0
85	4.39	4.51	4.66	4.84	5.04	5.25	5.46	5.65	5.60	5.53	5.46	5.39	5.32	5.26	5.22	5.22	5.24	5.41	5.63
90	2.64	3.43	4.22	4.99	5.71	6.35	6.89	7.29	6.41	5.42	4.37	3.33	2.35	1.49	0.79	0.32	0.13	1.89	3.93
95	26.1	29.5	33.0	36.4	39.5	42.2	44.4	45.9	42.1	37.7	32.9	27.9	22.8	17.8	13.2	9.10	5.73	7.73	10.5
100	68.6	70.8	72.7	74.4	75.7	76.4	76.5	75.8	69.5	62.5	55.1	47.5	40.1	32.9	26.2	20.4	15.5	17.5	20.6
105	110	110	109	108	106	104	101	97.4	89.2	80.6	71.7	62.8	54.2	46.0	38.6	32.2	26.9	29.1	32.6
110	136	135	134	133	130	127	123	119	110	99.6	89.5	79.3	69.5	60.2	51.8	44.5	38.6	41.2	45.3
115	161	160	158	155	152	148	143	137	127	116	105	93.9	83.3	73.4	64.5	56.7	50.6	53.6	58.3
120	183	181	178	175	170	165	159	153	142	130	119	107	96.2	86.0	76.8	68.9	62.7	66.0	70.9
125	201	198	194	190	184	178	172	164	153	141	130	119	108	97.7	88.8	81.1	75.1	78.4	83.3
130	214	210	206	200	194	187	180	172	161	150	139	128	118	108	100.0	93.0	87.6	90.7	95.4
135	222	217	212	206	199	191	183	175	165	155	145	135	126	118	110	104	99.6	102	106
140	223	218	213	206	199	192	184	176	167	158	149	141	133	126	120	115	111	113	117
145	219	214	209	203	196	189	182	175	167	160	153	146	140	134	129	125	122	124	127
150	210	206	201	196	191	185	179	172	167	161	155	150	145	141	137	134	132	133	136
155	199	196	192	188	184	179	175	170	166	162	158	154	150	147	145	143	141	142	144
160	187	185	183	180	177	174	171	168	165	162	159	157	155	153	151	150	149	149	150
165	177	176	174	173	171	169	167	165	164	162	161	160	158	157	156	156	155	155	156
170	169	169	168	167	166	166	165	164	163	163	162	161	161	160	160	160	159	159	160
175	164	164	164	164	164	163	163	163	163	163	162	162	162	162	162	162	162	162	162
180	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157

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:120.9V I:0.3080A P:37.10W PF:0.9900 Freq:60.00Hz Lamp Flux:5379.53x1 lm																	
NAME: 4FT									TYPE:3000K 1.9						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	3168	3167	3167	3167	3166	3166	3166	3167	3167	3168	3169	3170	3171	3172	3173				
5	3163	3163	3162	3162	3162	3162	3162	3162	3163	3163	3164	3165	3166	3167	3168				
10	3104	3105	3107	3109	3111	3113	3115	3117	3119	3121	3123	3125	3128	3130	3133				
15	3009	3010	3012	3013	3016	3018	3022	3026	3030	3036	3041	3048	3055	3062	3070				
20	2873	2877	2881	2885	2890	2896	2902	2909	2916	2924	2932	2941	2950	2960	2971				
25	2677	2682	2688	2695	2702	2710	2719	2728	2738	2749	2760	2772	2785	2798	2812				
30	2395	2403	2412	2422	2432	2443	2455	2467	2479	2492	2505	2519	2534	2549	2565				
35	1902	1934	1968	2003	2038	2072	2106	2125	2143	2158	2171	2181	2190	2196	2200				
40	1218	1287	1358	1429	1498	1561	1617	1630	1634	1627	1611	1585	1549	1502	1446				
45	638	699	763	825	886	942	991	1005	1010	1007	995	975	946	908	862				
50	276	305	335	365	394	421	444	449	451	447	440	428	413	392	368				
55	163	173	184	195	205	214	222	222	221	219	214	208	200	191	179				
60	119	121	123	125	126	128	129	130	130	131	131	130	130	130	129				
65	87.5	87.7	87.9	88.2	88.6	89.1	89.8	90.8	92.1	93.4	94.9	96.6	98.4	100	103				
70	55.7	56.1	56.6	57.2	57.9	58.7	59.5	60.6	61.8	63.1	64.5	66.1	67.7	69.4	71.3				
75	31.3	31.7	32.1	32.6	33.1	33.6	34.2	34.9	35.6	36.4	37.2	38.1	39.1	40.0	41.1				
80	16.2	16.4	16.7	17.0	17.3	17.6	18.0	18.4	18.8	19.3	19.8	20.4	20.9	21.5	22.2				
85	5.88	6.17	6.49	6.85	7.24	7.66	8.11	8.56	9.05	9.56	10.1	10.7	11.3	11.9	12.5				
90	6.17	8.55	11.0	13.5	15.9	18.2	20.3	21.3	22.0	22.5	22.7	22.7	22.4	21.9	21.1				
95	13.9	17.8	22.0	26.5	31.0	35.4	39.6	41.5	43.1	44.3	45.1	45.6	45.7	45.4	44.8				
100	24.6	29.3	34.5	40.0	45.7	51.3	56.7	59.2	61.3	63.0	64.2	65.1	65.5	65.5	65.1				
105	37.1	42.4	48.2	54.5	61.0	67.4	73.6	76.4	78.8	80.8	82.3	83.3	83.9	84.0	83.6				
110	50.5	56.7	63.5	70.7	78.1	85.5	92.5	95.7	98.3	100	102	103	103	103	102				
115	64.1	71.0	78.7	86.8	95.0	103	111	115	118	120	122	123	123	123	123				
120	77.2	84.5	92.6	101	110	119	127	132	135	138	140	142	143	143	143				
125	89.5	96.9	105	114	123	132	140	145	149	153	156	158	160	161	162				
130	101	108	116	125	134	143	151	156	161	165	168	172	174	177	179				
135	112	118	125	133	141	150	158	163	168	172	176	180	184	187	190				
140	121	127	133	140	147	154	162	166	171	176	180	184	188	192	196				
145	130	135	140	145	151	157	163	168	172	176	180	185	189	193	197				
150	138	142	145	150	154	159	164	167	171	174	178	182	185	189	192				
155	145	148	151	154	157	160	164	166	169	172	174	177	180	183	185				
160	151	153	155	157	159	161	163	165	167	169	170	172	174	176	178				
165	156	157	158	159	160	161	163	164	165	166	167	168	169	170	171				
170	160	160	160	161	161	162	162	163	163	163	164	164	165	166	166				
175	162	162	162	162	162	162	162	162	162	162	162	163	163	163	163				
180	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157				

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: