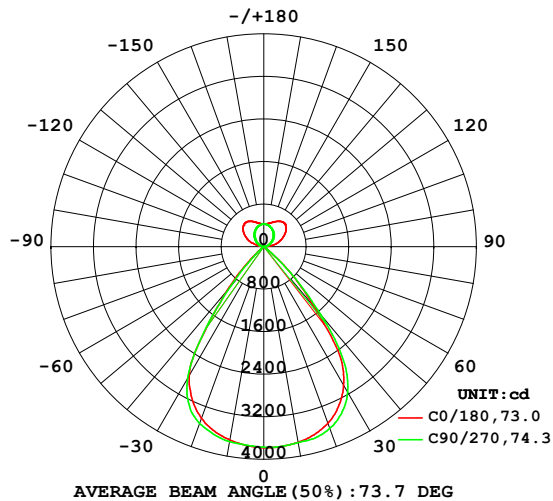


LUMINAIRE PHOTOMETRIC TEST REPORT

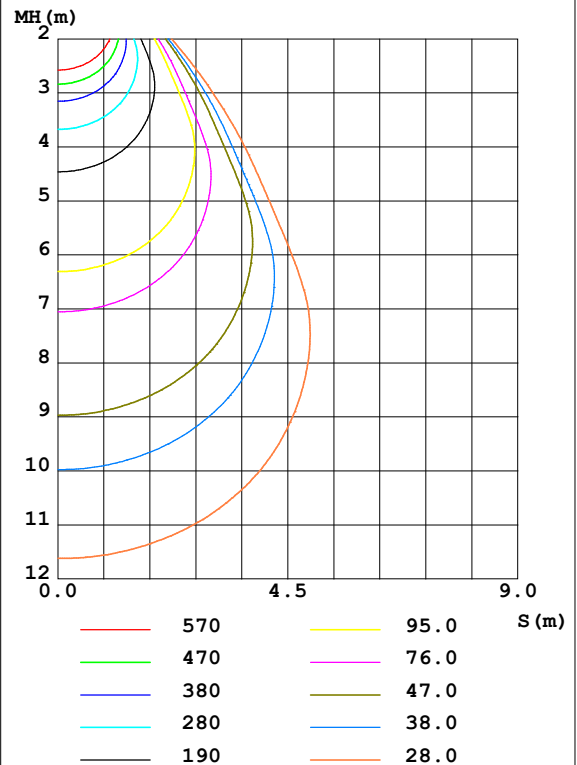
Test:U:120.3V I:0.5290A P:63.60W PF:0.9900 Freq:60.00Hz Lamp Flux:7024.89x1 lm		
NAME: 4FT	TYPE:3000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 110.45 lm/W			
MODEL		I _{max} (cd)	3781	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)	7024.9	η UP,DN(C0-180)	12.8,39.6
NOMINAL FLUX(lm)	7024.89	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	12.9,34.7
LAMPS INSIDE	1	η up(%)	25.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	74.4	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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

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

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

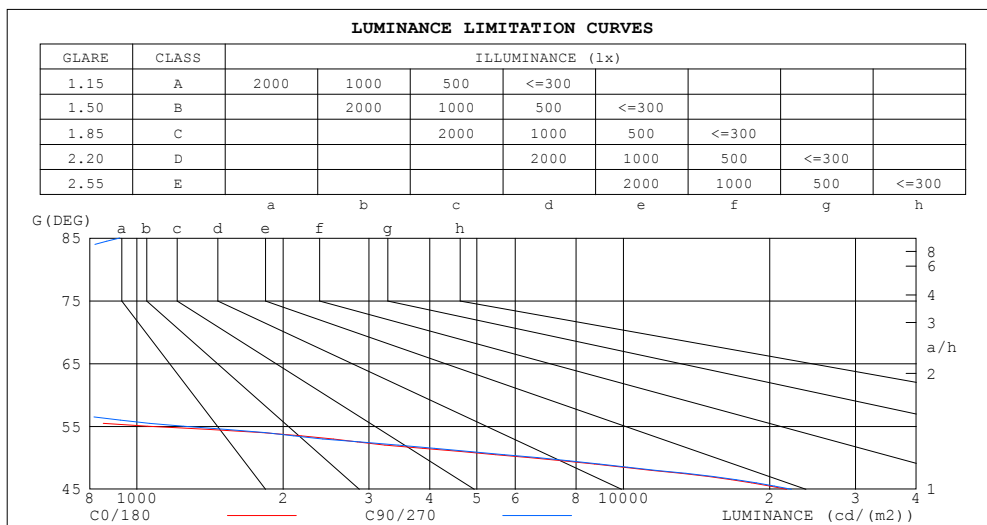
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3733	3736	3740	3719	3691	3684	3723	3703	0- 10	357.3	357.3	5.09,5.09
20	3533	3600	3636	3580	3432	3469	3535	3502	10- 20	1030	1387	19.7,19.7
30	3004	3178	3157	3149	2807	2914	2864	2987	20- 30	1527	2914	41.5,41.5
40	1463	2248	1672	2172	1058	1713	973.1	1797	30- 40	1492	4406	62.7,62.7
50	206.1	641.7	214.2	559.9	81.81	283.1	48.87	315.9	40- 50	694.6	5101	72.6,72.6
60	11.27	63.10	13.97	51.74	11.54	14.76	9.445	18.78	50- 60	102.1	5203	74.1,74.1
70	6.433	7.938	9.020	8.575	6.566	6.287	6.138	5.933	60- 70	11.37	5214	74.2,74.2
80	3.492	5.048	5.472	5.571	3.571	3.939	3.555	3.811	70- 80	5.940	5220	74.3,74.3
90	8.491	3.421	2.788	3.864	2.113	3.187	0.1368	10.20	80- 90	3.865	5224	74.4,74.4
100	167.1	154.1	30.25	96.76	53.70	129.9	34.84	168.8	90-100	46.87	5271	75,75
110	326.7	266.5	91.88	249.6	274.2	256.6	95.05	268.4	100-110	178.9	5450	77.6,77.6
120	453.7	355.9	157.0	363.7	404.7	356.0	157.2	358.3	110-120	275.7	5726	81.5,81.5
130	553.6	409.4	222.6	439.8	511.6	425.1	219.8	424.3	120-130	326.1	6052	86.1,86.1
140	589.6	430.4	285.7	470.3	567.7	453.9	283.7	444.4	130-140	325.6	6377	90.8,90.8
150	554.7	432.9	341.4	468.2	553.6	453.8	342.4	441.1	140-150	278.7	6656	94.8,94.8
160	489.7	428.9	386.5	450.0	495.0	442.0	389.0	433.0	150-160	204.9	6861	97.7,97.7
170	442.7	426.0	415.9	433.8	443.3	432.2	418.8	428.0	160-170	123.0	6984	99.4,99.4
180	421.5	421.5	421.5	421.5	421.5	421.5	421.5	421.5	170-180	40.91	7025	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:120.3V I:0.5290A P:63.60W PF:0.9900 Freq:60.00Hz Lamp Flux:7024.89x1 lm		
NAME: 4FT	TYPE:3000K 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	574	924
80	402	630
75	371	554
70	376	527
65	393	525
60	451	559
55	1053	1248
50	6412	6665
45	21668	22178

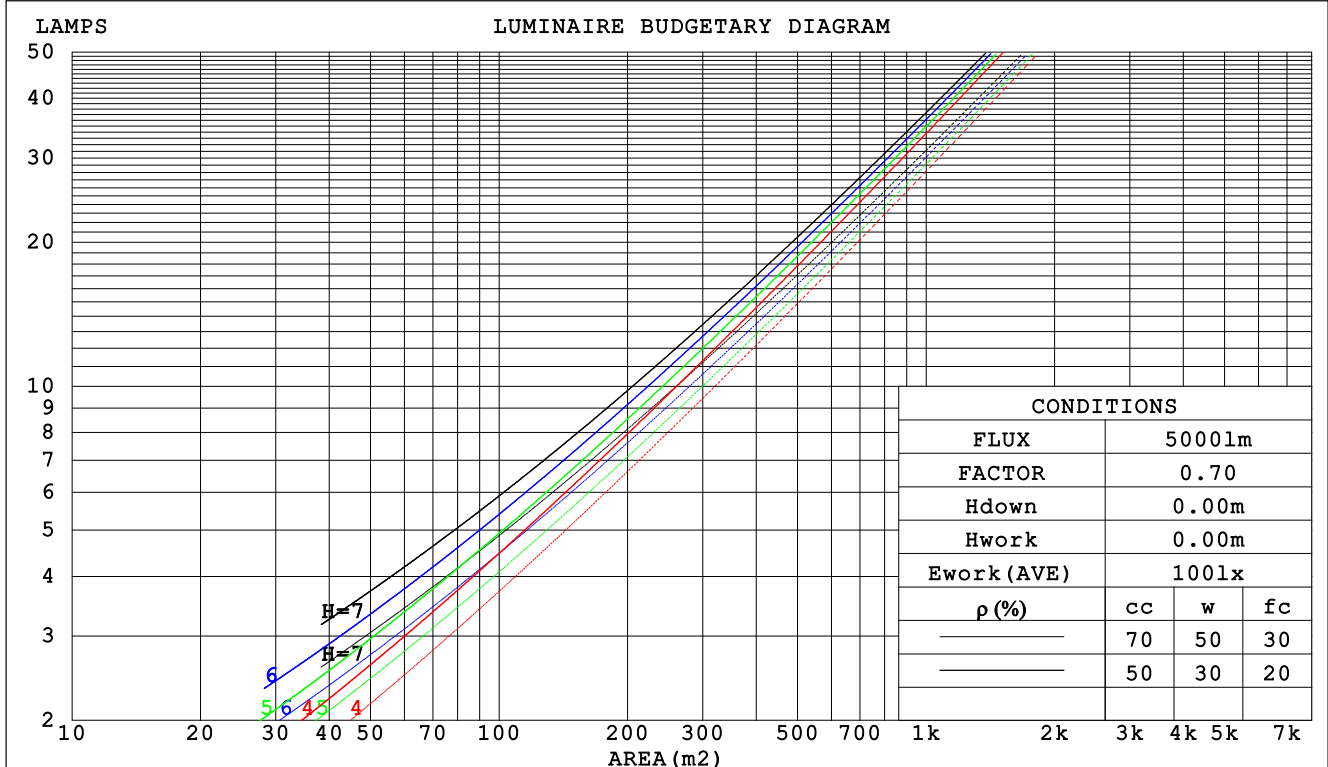
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.3V I:0.5290A P:63.60W PF:0.9900 Freq:60.00Hz Lamp Flux:7024.89x1 lm		
NAME: 4FT	TYPE:3000K 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	1.13	1.13	1.13	1.07	1.07	1.07	.97	.97	.97	.87	.87	.87	.79	.79	.79	.74
1.0	1.03	.00	.97	.98	.96	.93	.89	.88	.86	.81	.80	.79	.74	.73	.72	.69
2.0	.94	.89	.85	.90	.86	.82	.82	.79	.76	.76	.73	.71	.69	.67	.66	.63
3.0	.86	.80	.75	.82	.77	.73	.76	.72	.69	.70	.67	.64	.65	.62	.60	.57
4.0	.78	.72	.67	.75	.70	.65	.70	.65	.62	.65	.61	.58	.60	.57	.55	.52
5.0	.72	.65	.60	.69	.63	.59	.65	.60	.56	.60	.56	.53	.56	.53	.50	.48
6.0	.66	.59	.54	.64	.58	.53	.60	.55	.51	.56	.52	.48	.52	.49	.46	.44
7.0	.61	.54	.49	.59	.53	.48	.55	.50	.46	.52	.48	.44	.49	.45	.43	.41
8.0	.56	.50	.45	.55	.49	.44	.52	.46	.43	.48	.44	.41	.46	.42	.39	.37
9.0	.52	.46	.41	.51	.45	.41	.48	.43	.39	.45	.41	.38	.43	.39	.36	.35
10.0	.49	.42	.38	.47	.41	.37	.45	.40	.36	.42	.38	.35	.40	.36	.34	.32



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:120.3V I:0.5290A P:63.60W PF:0.9900 Freq:60.00Hz Lamp Flux:7024.89x1 lm					
NAME: 4FT			TYPE:3000K 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	.210	.120	.038	.196	.112	.035	.168	.097	.031	.143	.083	.027	.120	.070	.022		
2.0	.201	.110	.034	.188	.103	.032	.163	.091	.028	.141	.079	.025	.120	.068	.021		
3.0	.190	.101	.030	.179	.096	.029	.157	.085	.026	.136	.075	.023	.118	.065	.020		
4.0	.180	.094	.028	.170	.089	.026	.150	.079	.024	.131	.071	.021	.114	.062	.019		
5.0	.171	.087	.025	.161	.083	.024	.143	.075	.022	.126	.067	.020	.111	.059	.018		
6.0	.162	.081	.023	.153	.078	.022	.137	.070	.020	.121	.063	.019	.107	.056	.017		
7.0	.154	.076	.022	.146	.073	.021	.131	.066	.019	.116	.060	.017	.103	.053	.016		
8.0	.147	.072	.020	.139	.069	.019	.125	.062	.018	.112	.057	.016	.099	.051	.015		
9.0	.140	.068	.019	.133	.065	.018	.120	.059	.017	.107	.054	.015	.096	.049	.014		
10.0	.133	.064	.018	.127	.061	.017	.115	.056	.016	.103	.051	.015	.092	.046	.013		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.386	.386	.386	.330	.330	.330	.225	.225	.225	.129	.129	.129	.041	.041	.041	
1.0	.370	.354	.339	.317	.304	.292	.217	.209	.202	.125	.121	.117	.040	.039	.038	
2.0	.358	.331	.307	.307	.285	.266	.210	.197	.185	.121	.115	.109	.039	.037	.035	
3.0	.348	.313	.285	.299	.270	.247	.205	.188	.173	.118	.110	.102	.038	.036	.033	
4.0	.340	.300	.269	.292	.259	.233	.201	.180	.164	.116	.106	.097	.037	.034	.032	
5.0	.333	.289	.257	.286	.250	.223	.197	.175	.158	.114	.103	.094	.037	.033	.031	
6.0	.326	.281	.248	.280	.243	.216	.194	.170	.153	.112	.100	.091	.036	.033	.030	
7.0	.321	.274	.241	.276	.237	.210	.190	.166	.149	.111	.098	.089	.036	.032	.029	
8.0	.315	.268	.236	.271	.233	.206	.188	.163	.146	.109	.096	.087	.035	.032	.029	
9.0	.310	.264	.232	.267	.229	.202	.185	.161	.144	.108	.095	.086	.035	.031	.028	
10.0	.306	.260	.229	.264	.225	.200	.183	.159	.142	.107	.094	.085	.035	.031	.028	

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:120.3V I:0.5290A P:63.60W PF:0.9900 Freq:60.00Hz Lamp Flux:7024.89x1 lm											
NAME: 4FT					TYPE:3000K 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	2H	19.9	20.8	20.5	21.3	22.0	19.7	20.6	20.2	21.1	21.8
	3H	19.6	20.4	20.2	21.0	21.7	19.4	20.2	20.0	20.8	21.5
	4H	19.5	20.2	20.1	20.9	21.5	19.3	20.0	19.9	20.6	21.3
	6H	19.3	20.0	20.0	20.7	21.4	19.1	19.8	19.8	20.5	21.2
	8H	19.3	19.9	19.9	20.6	21.3	19.1	19.7	19.7	20.4	21.1
	12H	19.2	19.8	19.9	20.5	21.3	19.0	19.6	19.7	20.3	21.1
4H	2H	19.5	20.3	20.1	20.9	21.6	19.3	20.1	19.9	20.7	21.4
	3H	19.2	19.9	19.9	20.5	21.3	19.0	19.7	19.7	20.3	21.1
	4H	19.1	19.7	19.8	20.3	21.1	18.9	19.5	19.6	20.1	20.9
	6H	18.9	19.4	19.7	20.1	21.0	18.7	19.2	19.5	19.9	20.8
	8H	18.9	19.3	19.6	20.0	20.9	18.7	19.1	19.4	19.8	20.7
	12H	18.8	19.2	19.5	19.9	20.8	18.6	19.0	19.3	19.7	20.6
8H	4H	18.9	19.3	19.6	20.0	20.9	18.7	19.1	19.4	19.8	20.7
	6H	18.7	19.1	19.5	19.8	20.7	18.5	18.9	19.3	19.6	20.5
	8H	18.6	18.9	19.4	19.7	20.7	18.4	18.8	19.2	19.5	20.5
	12H	18.5	18.8	19.4	19.6	20.6	18.4	18.6	19.2	19.4	20.4
12H	4H	18.8	19.2	19.5	19.9	20.8	18.6	19.0	19.3	19.7	20.6
	6H	18.6	18.9	19.4	19.7	20.7	18.4	18.7	19.2	19.5	20.5
	8H	18.5	18.8	19.4	19.6	20.6	18.3	18.6	19.2	19.4	20.4
Variations with the observer position at spacings:											
S = 1.0H	+ 3.1 / -16.6					+ 2.7 / -16.3					
1.5H	+ 3.3 / -12.2					+ 3.6 / -11.5					
2.0H	+ 6.5 / -16.5					+ 6.3 / -14.2					

CIE Pub.117 Corrected 7025 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:120.3V I:0.5290A P:63.60W PF:0.9900 Freq:60.00Hz Lamp Flux:7024.89x1 lm		
NAME: 4FT	TYPE:3000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

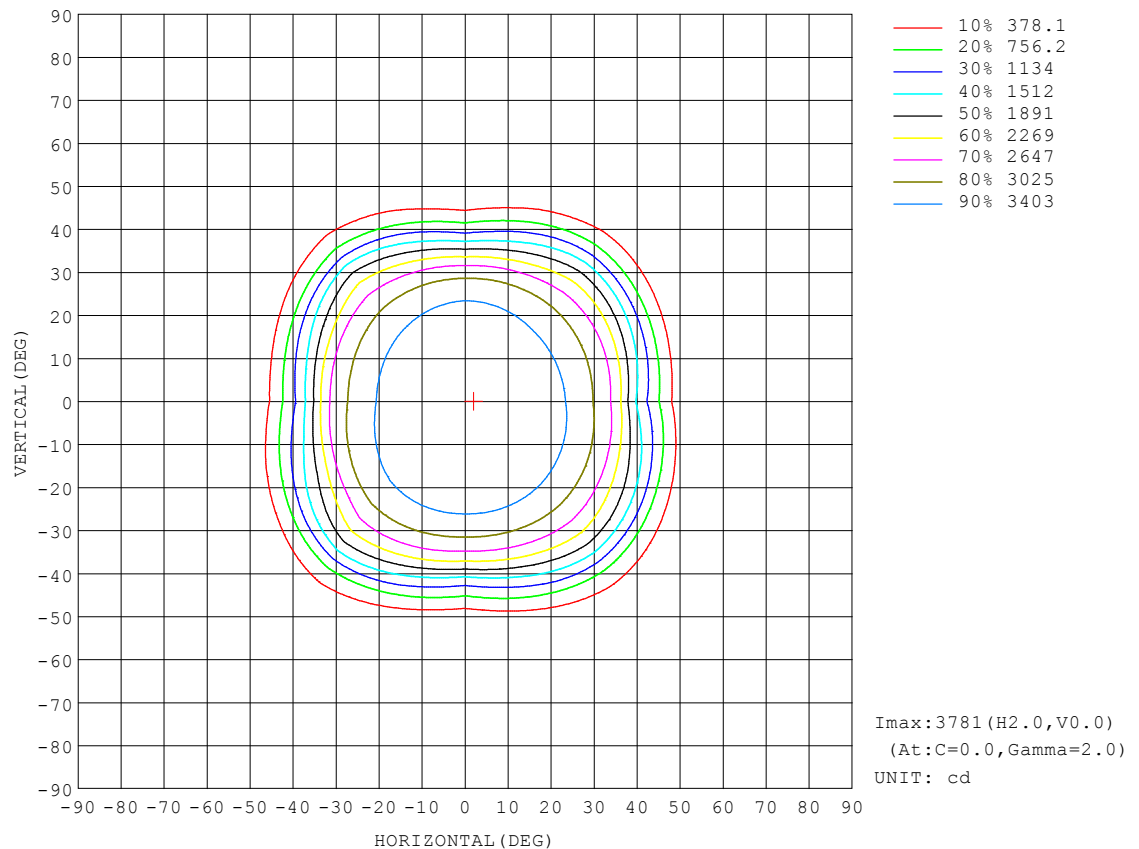
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	60	55	67	59	55	64	58	54	49
0.80	77	69	64	75	68	63	71	65	61	55
1.00	83	75	70	81	74	69	76	71	67	60
1.25	88	81	76	86	79	75	80	75	72	63
1.50	92	85	80	89	83	79	83	79	75	66
2.00	96	90	86	93	88	84	86	82	79	68
2.50	99	94	89	95	90	87	88	85	82	69
3.00	101	96	92	97	93	89	90	86	84	70
4.00	104	100	97	100	96	93	91	89	87	71
5.00	106	102	99	101	98	96	93	90	89	72
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:120.3V I:0.5290A P:63.60W PF:0.9900 Freq:60.00Hz Lamp Flux:7024.89x1 lm		
NAME: 4FT	TYPE:3000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

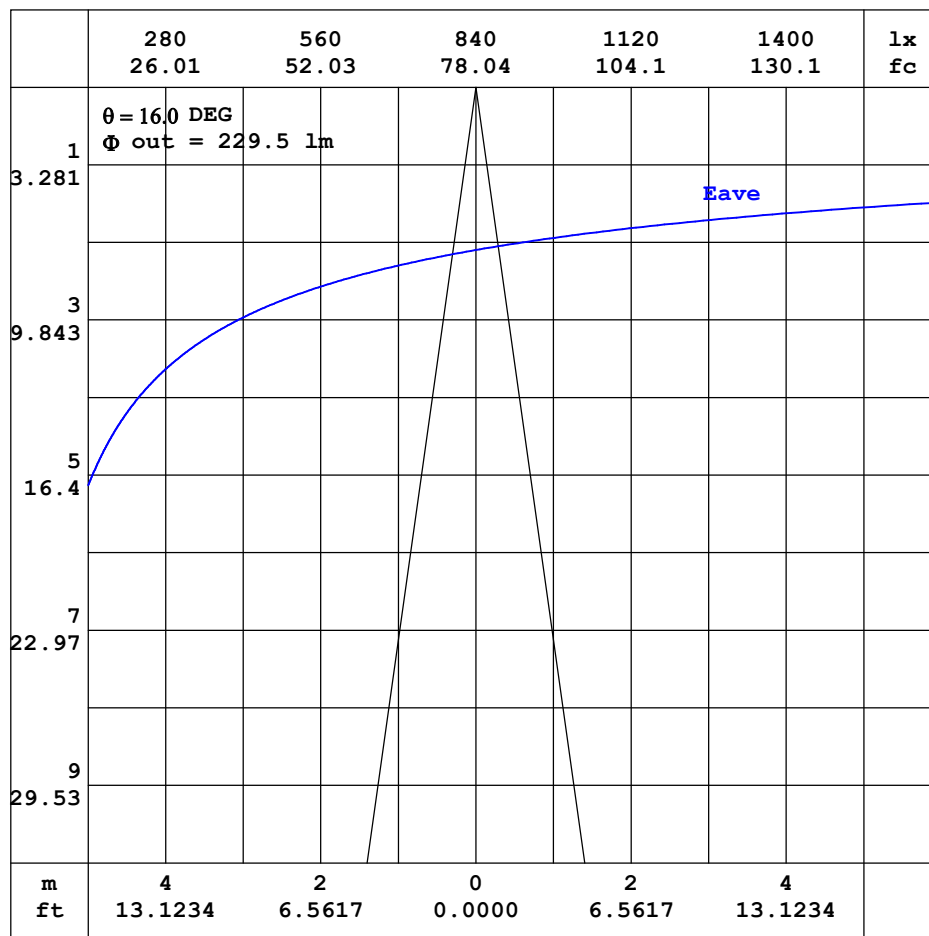


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.3V I:0.5290A P:63.60W PF:0.9900 Freq:60.00Hz Lamp Flux:7024.89x1 lm		
NAME: 4FT	TYPE:3000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



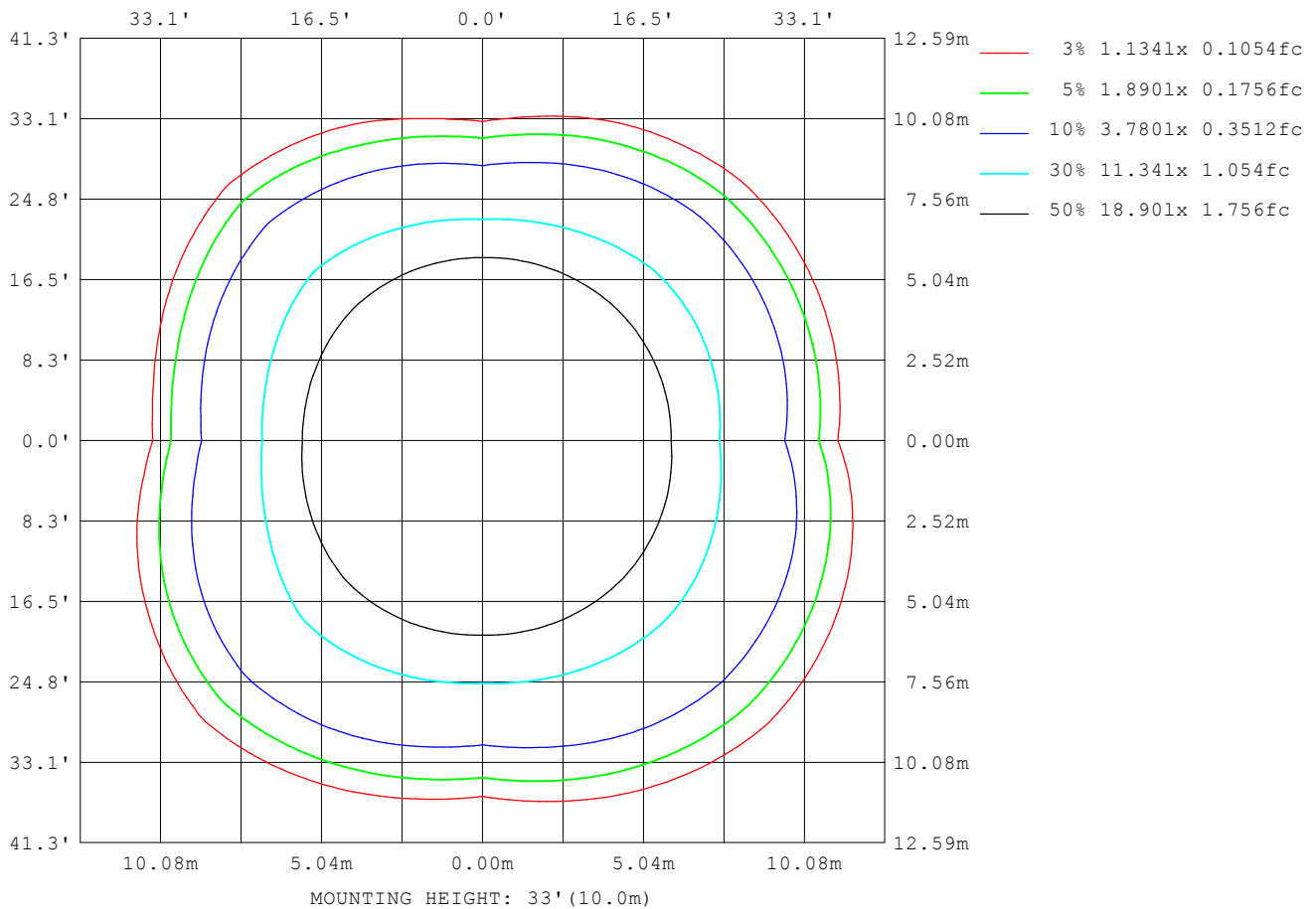
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.3V I:0.5290A P:63.60W PF:0.9900 Freq:60.00Hz Lamp Flux:7024.89x1 lm		
NAME: 4FT	TYPE:3000K 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:120.3V I:0.5290A P:63.60W PF:0.9900 Freq:60.00Hz Lamp Flux:7024.89x1 lm		
NAME: 4FT	TYPE:3000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

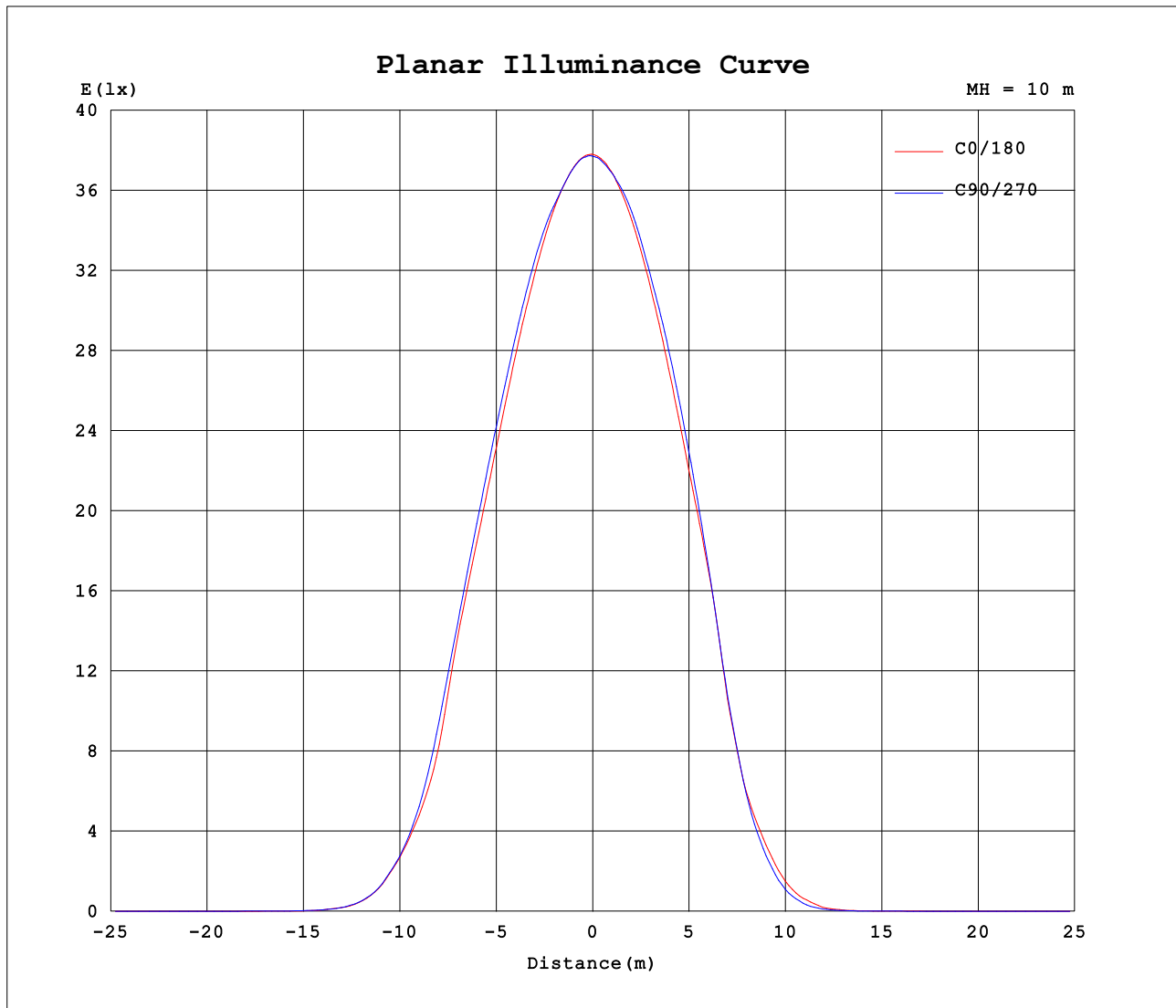
AvgL	cd/m2
L_0~180 (65) av	402
L_0~180 (75) av	375
L_0~180 (85) av	595
L_90~270 (65) av	443
L_90~270 (75) av	460
L_90~270 (85) av	786
L_45 (65) av	450
L_45 (75) av	442
L_45 (85) av	881

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:120.3V I:0.5290A P:63.60W PF:0.9900 Freq:60.00Hz Lamp Flux:7024.89x1 lm																	
NAME: 4FT									TYPE:3000K 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	3780	3779	3778	3777	3777	3776	3775	3775	3774	3773	3773	3773	3772	3772	3772	3771	3771	3771	3771
5	3774	3774	3774	3774	3774	3774	3773	3773	3773	3773	3773	3773	3772	3772	3772	3772	3771	3771	3771
10	3733	3734	3734	3734	3735	3735	3735	3736	3736	3736	3737	3738	3739	3739	3740	3740	3740	3740	3740
15	3662	3663	3664	3666	3667	3669	3672	3674	3677	3681	3687	3693	3699	3705	3710	3715	3719	3722	3724
20	3533	3542	3551	3559	3567	3574	3581	3588	3594	3600	3607	3613	3619	3623	3628	3631	3634	3635	3636
25	3324	3341	3357	3371	3385	3398	3409	3419	3429	3437	3443	3449	3454	3457	3460	3461	3462	3462	3460
30	3004	3033	3060	3084	3106	3125	3142	3156	3168	3178	3181	3183	3182	3180	3177	3173	3168	3162	3157
35	2494	2550	2600	2644	2683	2716	2743	2764	2779	2789	2779	2764	2746	2724	2702	2679	2656	2635	2616
40	1463	1617	1755	1876	1980	2067	2138	2192	2228	2248	2207	2152	2087	2016	1941	1865	1793	1728	1672
45	766	919	1054	1171	1270	1352	1415	1461	1489	1499	1440	1367	1284	1194	1102	1011	925	848	784
50	206	297	377	447	506	555	592	619	636	642	607	564	514	461	406	352	300	253	214
55	30.2	71.4	108	139	166	188	205	218	225	228	212	193	170	146	122	97.2	74.0	53.2	35.8
60	11.3	22.0	31.5	39.8	46.8	52.5	57.0	60.3	62.3	63.1	59.2	54.3	48.7	42.6	36.2	30.0	24.0	18.6	14.0
65	8.31	8.90	9.43	9.91	10.3	10.7	11.1	11.3	11.6	11.7	11.8	11.8	11.7	11.7	11.6	11.5	11.3	11.2	11.1
70	6.43	6.62	6.80	6.98	7.15	7.32	7.48	7.64	7.79	7.94	8.10	8.25	8.40	8.54	8.66	8.77	8.87	8.96	9.02
75	4.80	5.01	5.21	5.40	5.57	5.75	5.91	6.06	6.21	6.34	6.48	6.60	6.72	6.83	6.92	7.00	7.07	7.13	7.18
80	3.49	3.72	3.94	4.14	4.32	4.50	4.65	4.80	4.93	5.05	5.14	5.21	5.27	5.33	5.37	5.41	5.43	5.46	5.47
85	2.50	2.75	2.99	3.20	3.39	3.57	3.72	3.86	3.97	4.06	4.10	4.12	4.12	4.11	4.10	4.08	4.06	4.04	4.03
90	8.49	7.71	6.98	6.31	5.69	5.13	4.62	4.16	3.77	3.42	3.18	2.99	2.89	2.89	2.88	2.85	2.82	2.79	2.79
95	59.8	63.1	65.7	67.5	68.6	68.9	68.5	67.4	65.5	62.9	57.1	50.8	44.1	37.2	30.3	23.5	17.1	11.2	6.02
100	167	171	174	175	174	171	167	161	154	140	126	110	94.8	79.7	65.3	51.9	40.1	30.3	
105	267	266	263	259	254	248	240	232	222	211	192	173	153	134	116	98.5	83.4	70.7	60.9
110	327	326	323	319	314	307	299	290	279	266	245	222	199	176	155	135	118	103	91.9
115	392	389	385	380	373	365	355	344	331	317	292	266	241	216	192	170	151	135	123
120	454	448	441	432	423	412	400	386	372	356	329	303	276	250	225	203	184	168	157
125	510	500	489	477	465	451	436	421	405	387	360	333	306	280	256	234	215	200	190
130	554	540	525	510	495	479	462	445	428	409	383	356	330	305	282	262	245	232	223
135	581	564	547	529	512	494	477	459	441	423	398	373	349	327	306	288	274	262	255
140	590	571	553	535	517	499	482	465	447	430	408	386	365	346	328	313	301	291	286
145	579	562	544	527	511	495	479	463	448	433	414	396	378	362	348	336	326	319	315
150	555	540	525	511	497	483	470	457	445	433	418	403	390	377	366	357	349	344	341
155	522	511	499	489	478	468	458	449	440	431	420	410	400	391	383	376	371	367	366
160	490	482	475	467	460	454	447	441	435	429	422	415	408	403	397	393	390	388	387
165	463	458	454	449	445	441	438	434	430	427	423	419	415	412	409	407	405	404	403
170	443	441	438	436	434	433	431	429	427	426	424	422	421	419	418	417	416	416	416
175	431	431	430	429	428	428	427	427	426	426	425	425	425	424	424	424	424	424	424
180	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422

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:120.3V I:0.5290A P:63.60W PF:0.9900 Freq:60.00Hz Lamp Flux:7024.89x1 lm																		
NAME: 4FT									TYPE:3000K 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	3770	3770	3769	3769	3769	3769	3769	3769	3769	3770	3771	3773	3774	3776	3777	3778	3779	3780	3780
5	3770	3769	3769	3768	3767	3766	3765	3764	3763	3762	3761	3759	3758	3756	3755	3753	3752	3750	3749
10	3738	3737	3735	3732	3730	3728	3725	3722	3719	3716	3712	3709	3706	3702	3699	3696	3693	3691	3689
15	3720	3715	3709	3702	3694	3686	3677	3668	3658	3649	3641	3632	3624	3616	3609	3603	3597	3592	3591
20	3634	3631	3627	3622	3616	3609	3601	3591	3580	3563	3545	3527	3509	3491	3474	3459	3444	3432	3430
25	3460	3459	3457	3453	3448	3441	3433	3422	3410	3384	3357	3330	3302	3274	3247	3222	3200	3180	3178
30	3161	3166	3170	3172	3173	3172	3167	3160	3149	3113	3074	3033	2992	2950	2910	2872	2837	2807	2808
35	2638	2662	2686	2708	2728	2742	2751	2751	2741	2656	2562	2463	2362	2262	2165	2075	1996	1929	1961
40	1724	1785	1852	1921	1989	2052	2106	2147	2172	2066	1945	1813	1675	1536	1400	1272	1156	1058	1101
45	841	910	988	1070	1152	1231	1302	1361	1405	1322	1222	1111	993	871	749	632	523	426	440
50	244	280	322	367	413	457	498	533	560	520	472	418	360	300	240	182	129	81.8	91.0
55	49.1	65.8	85.0	106	127	148	167	184	198	184	166	146	124	101	78.1	55.5	34.4	15.6	17.7
60	16.9	20.7	25.0	29.8	34.8	39.7	44.3	48.4	51.7	48.9	45.3	41.0	36.3	31.3	26.1	21.0	16.1	11.5	10.7
65	11.1	11.1	11.1	11.2	11.2	11.2	11.2	11.1	11.1	10.8	10.6	10.3	10.1	9.77	9.49	9.21	8.94	8.68	8.53
70	9.05	9.05	9.04	9.01	8.96	8.90	8.81	8.70	8.57	8.37	8.15	7.92	7.68	7.44	7.21	6.98	6.76	6.57	6.48
75	7.21	7.22	7.22	7.21	7.18	7.13	7.06	6.97	6.86	6.66	6.44	6.21	5.98	5.75	5.52	5.30	5.09	4.91	4.85
80	5.53	5.58	5.63	5.66	5.68	5.68	5.67	5.63	5.57	5.37	5.15	4.92	4.68	4.43	4.20	3.97	3.76	3.57	3.55
85	4.11	4.21	4.30	4.38	4.46	4.52	4.56	4.58	4.58	4.40	4.19	3.97	3.74	3.51	3.28	3.06	2.86	2.68	2.70
90	2.91	3.04	3.18	3.32	3.47	3.60	3.71	3.80	3.86	3.71	3.52	3.32	3.10	2.88	2.66	2.46	2.27	2.11	2.22
95	5.98	6.68	7.98	9.76	11.9	14.1	16.5	18.7	20.7	19.1	17.2	15.1	13.0	10.9	9.04	7.43	6.20	5.47	8.77
100	33.7	39.1	46.1	54.1	62.9	72.0	80.9	89.3	96.8	93.2	88.6	83.3	77.5	71.7	66.1	61.0	56.8	53.7	61.6
105	69.4	80.8	94.4	110	126	142	159	175	189	189	187	184	181	176	171	166	161	157	163
110	102	115	131	149	168	189	210	230	250	257	263	268	272	274	275	276	275	274	276
115	135	151	169	191	214	238	263	287	310	319	327	333	337	340	342	342	342	341	342
120	170	188	209	233	258	285	312	338	364	375	384	392	398	402	405	406	406	405	405
125	204	223	245	269	296	324	352	380	407	420	432	442	450	456	461	463	464	464	463
130	237	255	277	302	329	356	385	413	440	455	469	481	490	498	505	509	511	512	509
135	268	286	306	330	355	381	408	435	461	478	493	506	518	528	536	542	546	547	543
140	298	313	331	352	374	398	422	447	470	488	504	519	532	543	553	560	565	568	563
145	325	338	353	371	390	410	431	451	472	489	504	519	532	543	553	561	566	569	564
150	349	360	372	386	402	418	434	451	468	482	496	508	520	530	539	546	551	554	549
155	372	379	389	399	410	422	435	447	460	471	481	491	500	508	515	520	524	527	523
160	391	396	402	409	417	425	433	442	450	457	464	471	477	482	487	491	493	495	492
165	406	409	413	417	421	426	431	436	441	445	449	452	456	459	461	463	465	466	464
170	417	419	421	423	425	427	429	432	434	436	437	439	440	441	442	443	443	443	443
175	424	425	426	426	427	428	428	429	430	430	430	431	431	431	431	431	431	431	431
180	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422

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:120.3V I:0.5290A P:63.60W PF:0.9900 Freq:60.00Hz Lamp Flux:7024.89x1 lm																		
NAME: 4FT									TYPE:3000K 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	3779	3779	3778	3777	3776	3775	3774	3773	3773	3773	3772	3772	3772	3771	3771	3771	3771	3770	3770
5	3747	3746	3745	3744	3743	3742	3741	3741	3741	3741	3741	3742	3742	3743	3744	3744	3745	3744	3744
10	3687	3685	3684	3683	3683	3683	3683	3684	3688	3693	3697	3702	3707	3711	3716	3720	3723	3722	3720
15	3591	3592	3594	3596	3599	3602	3606	3611	3615	3620	3625	3630	3635	3640	3644	3647	3651	3650	3649
20	3429	3431	3435	3439	3445	3452	3460	3469	3477	3485	3494	3502	3510	3518	3524	3530	3535	3533	3530
25	3179	3182	3189	3197	3207	3218	3230	3243	3251	3260	3269	3277	3285	3293	3300	3306	3311	3312	3312
30	2813	2823	2835	2850	2866	2882	2899	2914	2910	2905	2899	2892	2885	2878	2872	2868	2864	2875	2887
35	2006	2062	2124	2189	2256	2319	2377	2427	2387	2338	2282	2222	2162	2103	2048	2000	1962	2000	2048
40	1162	1236	1319	1406	1493	1576	1651	1713	1645	1565	1475	1380	1285	1192	1106	1032	973	1037	1117
45	467	504	550	599	651	701	747	785	738	684	625	563	502	444	391	346	312	360	419
50	107	128	154	181	209	237	262	283	261	236	207	177	147	118	90.6	67.3	48.9	69.9	95.8
55	22.3	29.0	37.1	46.2	55.8	65.2	74.0	81.7	75.4	67.9	59.4	50.5	41.5	32.8	24.7	17.8	12.3	19.4	28.0
60	10.3	10.4	10.7	11.3	12.1	13.0	13.9	14.8	14.2	13.5	12.8	12.1	11.4	10.7	10.2	9.74	9.44	10.3	11.4
65	8.40	8.28	8.18	8.09	8.01	7.95	7.90	7.85	7.81	7.78	7.75	7.73	7.71	7.69	7.68	7.66	7.65	7.60	7.56
70	6.41	6.36	6.32	6.30	6.29	6.28	6.28	6.29	6.27	6.25	6.23	6.22	6.20	6.18	6.17	6.15	6.14	6.10	6.07
75	4.82	4.81	4.81	4.83	4.85	4.89	4.92	4.95	4.93	4.91	4.88	4.86	4.83	4.80	4.77	4.75	4.72	4.71	4.70
80	3.56	3.59	3.63	3.68	3.75	3.81	3.88	3.94	3.91	3.87	3.83	3.78	3.73	3.68	3.63	3.59	3.56	3.57	3.60
85	2.74	2.80	2.88	2.97	3.07	3.16	3.26	3.34	3.30	3.25	3.19	3.12	3.05	2.99	2.92	2.87	2.82	2.88	2.94
90	2.35	2.50	2.65	2.81	2.94	3.06	3.14	3.19	2.74	2.26	1.78	1.32	0.90	0.62	0.38	0.16	0.14	1.06	2.11
95	12.5	16.6	20.8	25.0	29.0	32.8	36.1	38.7	35.7	32.2	28.3	24.4	20.5	17.1	14.2	12.1	11.0	17.7	25.4
100	70.6	80.2	90.1	99.9	109	118	125	130	120	110	97.5	85.0	72.6	60.9	50.3	41.4	34.8	45.1	57.7
105	170	176	183	189	195	199	201	202	187	171	153	135	117	101	86.0	73.3	63.7	73.5	86.3
110	278	278	278	276	273	269	264	257	237	216	195	174	154	135	119	105	95.0	106	120
115	342	342	340	337	333	327	320	311	288	264	240	216	193	172	153	138	126	138	153
120	404	401	398	393	386	378	368	356	331	305	279	253	229	206	186	170	157	169	185
125	460	456	450	442	433	422	409	395	369	342	314	288	262	239	218	201	189	201	217
130	505	498	490	481	469	456	441	425	399	371	344	317	292	269	249	232	220	231	247
135	537	529	519	507	494	479	462	444	419	393	367	342	318	297	278	263	252	261	275
140	555	546	534	521	506	489	472	454	431	407	384	362	342	323	307	293	284	292	303
145	556	546	534	521	506	490	474	456	437	417	397	379	362	346	333	322	314	320	329
150	541	532	522	510	497	483	469	454	438	422	407	393	379	367	357	349	342	347	353
155	517	510	501	492	482	471	460	448	437	425	414	404	394	385	378	372	368	370	375
160	488	483	478	471	464	457	450	442	434	427	419	413	406	401	396	392	389	391	393
165	462	459	456	453	449	445	441	436	432	428	424	420	416	413	410	408	406	407	409
170	442	441	440	439	437	436	434	432	430	429	427	425	423	422	421	420	419	419	420
175	431	431	431	430	430	430	429	429	429	428	428	427	427	427	426	426	426	426	426
180	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422

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:120.3V I:0.5290A P:63.60W PF:0.9900 Freq:60.00Hz Lamp Flux:7024.89x1 lm																	
NAME: 4FT									TYPE:3000K 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	3769	3769	3769	3769	3769	3769	3769	3770	3770	3771	3772	3774	3775	3777	3778				
5	3744	3744	3743	3744	3744	3744	3745	3747	3749	3752	3755	3758	3761	3765	3769				
10	3717	3715	3712	3709	3707	3705	3703	3704	3705	3707	3710	3714	3718	3722	3727				
15	3647	3645	3643	3641	3639	3637	3636	3637	3638	3640	3642	3645	3649	3653	3657				
20	3527	3523	3518	3514	3509	3505	3502	3502	3503	3505	3508	3511	3516	3521	3527				
25	3311	3309	3308	3306	3304	3302	3300	3301	3302	3304	3306	3309	3312	3316	3320				
30	2900	2914	2929	2944	2959	2973	2987	2994	3000	3004	3007	3009	3010	3009	3007				
35	2104	2167	2233	2301	2369	2434	2495	2522	2541	2554	2561	2561	2554	2541	2521				
40	1209	1308	1412	1517	1619	1713	1797	1817	1823	1815	1792	1755	1703	1637	1557				
45	487	560	636	713	788	859	923	944	955	956	948	931	904	867	821				
50	126	158	192	225	258	289	316	322	324	321	314	301	285	263	237				
55	37.6	47.9	58.4	68.8	78.5	87.3	94.7	94.8	93.0	89.5	84.1	77.0	68.0	57.2	44.6				
60	12.5	13.7	14.8	16.0	17.1	18.0	18.8	18.8	18.6	18.1	17.5	16.7	15.6	14.4	12.9				
65	7.52	7.48	7.44	7.42	7.40	7.40	7.40	7.45	7.51	7.58	7.66	7.77	7.88	8.01	8.15				
70	6.04	6.01	5.98	5.96	5.94	5.93	5.93	5.95	5.98	6.02	6.07	6.12	6.19	6.26	6.34				
75	4.70	4.69	4.69	4.69	4.69	4.70	4.70	4.71	4.71	4.72	4.73	4.74	4.76	4.77	4.79				
80	3.63	3.66	3.70	3.73	3.76	3.79	3.81	3.80	3.79	3.77	3.74	3.70	3.66	3.61	3.56				
85	3.01	3.09	3.16	3.23	3.29	3.34	3.38	3.35	3.31	3.25	3.17	3.07	2.95	2.82	2.67				
90	3.26	4.47	5.70	6.92	8.10	9.20	10.2	10.6	10.8	10.9	10.9	10.7	10.4	9.89	9.26				
95	33.7	42.5	51.5	60.3	68.8	76.6	83.5	85.6	86.5	86.3	84.8	82.2	78.4	73.4	67.2				
100	72.1	87.8	104	121	138	154	169	175	180	183	185	185	183	179	174				
105	102	119	138	158	178	198	217	227	237	245	252	257	262	265	267				
110	138	157	179	201	224	247	268	281	291	301	308	315	320	324	326				
115	172	194	217	242	267	293	317	331	344	355	365	373	380	385	389				
120	205	227	252	278	305	332	358	374	389	402	414	424	434	442	448				
125	236	259	284	311	339	367	394	412	428	443	457	470	481	492	502				
130	266	289	314	341	368	396	424	442	460	476	491	505	519	531	543				
135	293	313	336	361	387	413	439	457	475	492	508	524	539	553	567				
140	318	335	354	375	398	421	444	461	478	495	511	527	543	559	574				
145	340	354	370	387	405	424	444	459	473	488	503	518	534	549	564				
150	362	372	384	397	411	426	441	453	465	477	490	502	515	528	541				
155	381	388	396	405	415	426	437	445	454	463	473	482	492	502	512				
160	397	402	407	413	419	426	433	439	444	450	457	463	469	476	483				
165	410	413	416	419	422	426	430	433	436	440	443	447	451	455	459				
170	420	421	422	424	425	426	428	429	431	432	434	436	437	439	441				
175	426	426	426	426	427	427	427	428	428	428	429	429	430	430	431				
180	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422				

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: