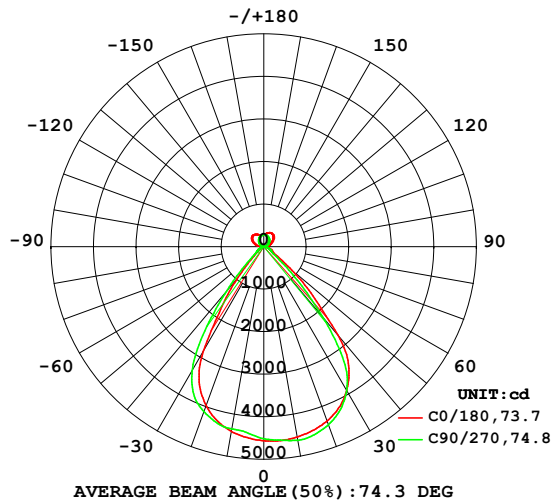


LUMINAIRE PHOTOMETRIC TEST REPORT

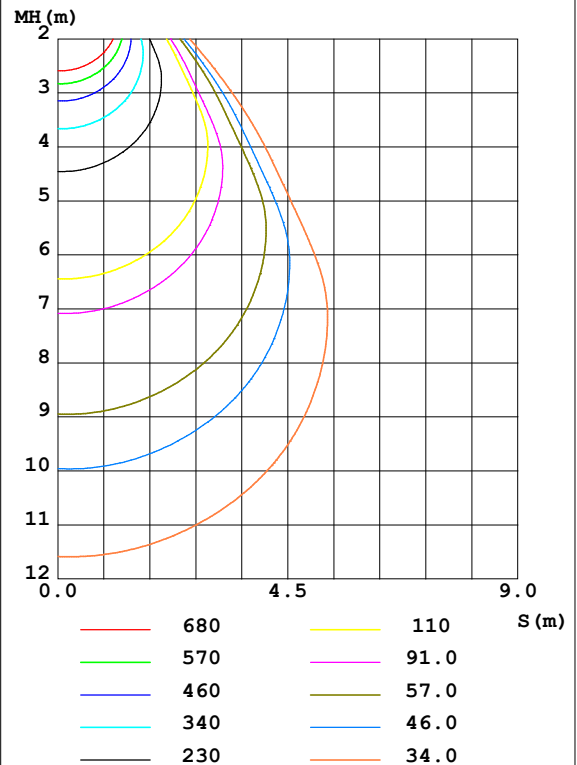
Test:U:120.8V I:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8043.35x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 128.28 lm/W			
MODEL		I _{max} (cd)	4638	S/MH(C0/180)	1.21
NOMINAL POWER(W)	60W	LOR(%)	100.0	S/MH(C90/270)	1.04
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	8043.3	η UP,DN(C0-180)	7.4,46.0
NOMINAL FLUX(lm)	8043.35	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	7.6,38.9
LAMPS INSIDE	1	η up(%)	15.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	84.9	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:

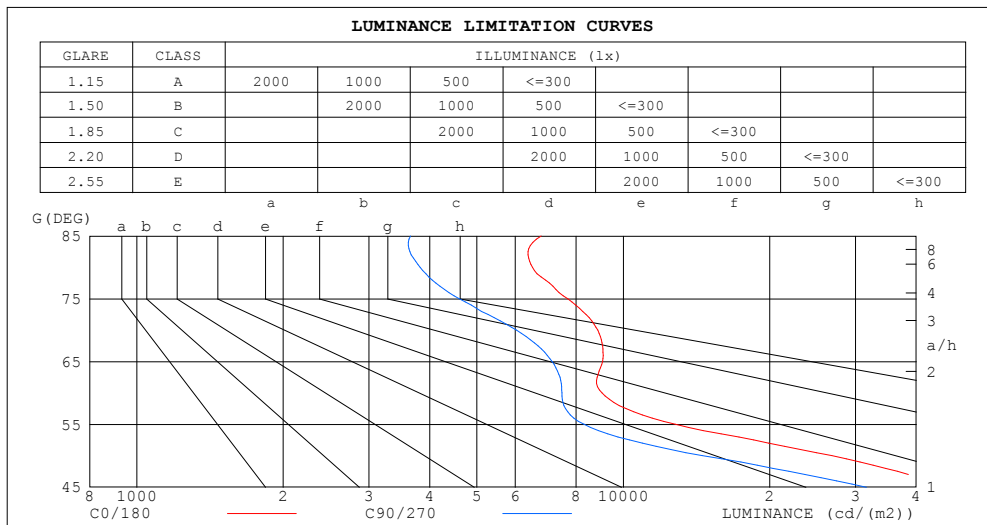
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	4544	4619	4621	4511	4411	4282	4352	4348	0- 10	428.1	428.1	5.32,5.32
20	4360	4517	4452	4300	3972	3971	4124	4189	10- 20	1237	1665	20.7,20.7
30	3901	4089	3899	3621	2844	3180	3369	3674	20- 30	1823	3487	43.4,43.4
40	2704	3170	2149	2273	939.1	1526	1338	2547	30- 40	1803	5290	65.8,65.8
50	868.9	1466	470.6	605.3	223.5	374.5	280.8	847.4	40- 50	991.0	6281	78.1,78.1
60	228.0	354.0	188.4	179.2	141.6	143.7	169.5	230.0	50- 60	326.7	6608	82.2,82.2
70	152.8	135.3	104.0	77.30	51.14	56.94	76.97	109.5	60- 70	143.4	6751	83.9,83.9
80	56.95	52.62	33.47	22.32	11.66	13.62	21.53	37.21	70- 80	62.35	6813	84.7,84.7
90	18.84	12.60	3.060	8.794	13.00	31.96	0.3855	16.22	80- 90	18.12	6832	84.9,84.9
100	83.91	72.11	19.70	126.3	160.4	143.3	27.14	81.86	90-100	54.45	6886	85.6,85.6
110	149.2	137.2	58.33	197.5	253.7	209.2	67.92	141.8	100-110	127.9	7014	87.2,87.2
120	222.2	211.1	99.39	253.0	326.4	253.1	109.3	207.4	110-120	180.6	7195	89.4,89.4
130	295.5	272.5	142.8	279.4	367.4	271.7	151.6	265.5	120-130	210.1	7405	92.1,92.1
140	344.5	310.3	186.0	282.1	367.9	273.8	193.9	314.1	130-140	210.6	7615	94.7,94.7
150	364.9	323.0	224.4	276.8	333.1	272.2	231.5	327.0	140-150	182.3	7798	96.9,96.9
160	351.1	316.9	254.8	273.9	297.9	272.7	261.7	317.0	150-160	136.1	7934	98.6,98.6
170	314.4	302.1	275.9	275.4	279.8	276.5	279.6	299.4	160-170	82.39	8016	99.7,99.7
180	278.4	278.4	278.4	278.4	278.4	278.4	278.4	278.4	170-180	27.33	8043	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:120.8V I:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8043.35x1 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	6775	3656
80	6507	3824
75	7692	4603
70	8862	6032
65	9063	7143
60	9046	7476
55	12801	8302
50	26822	14527
45	45765	31618

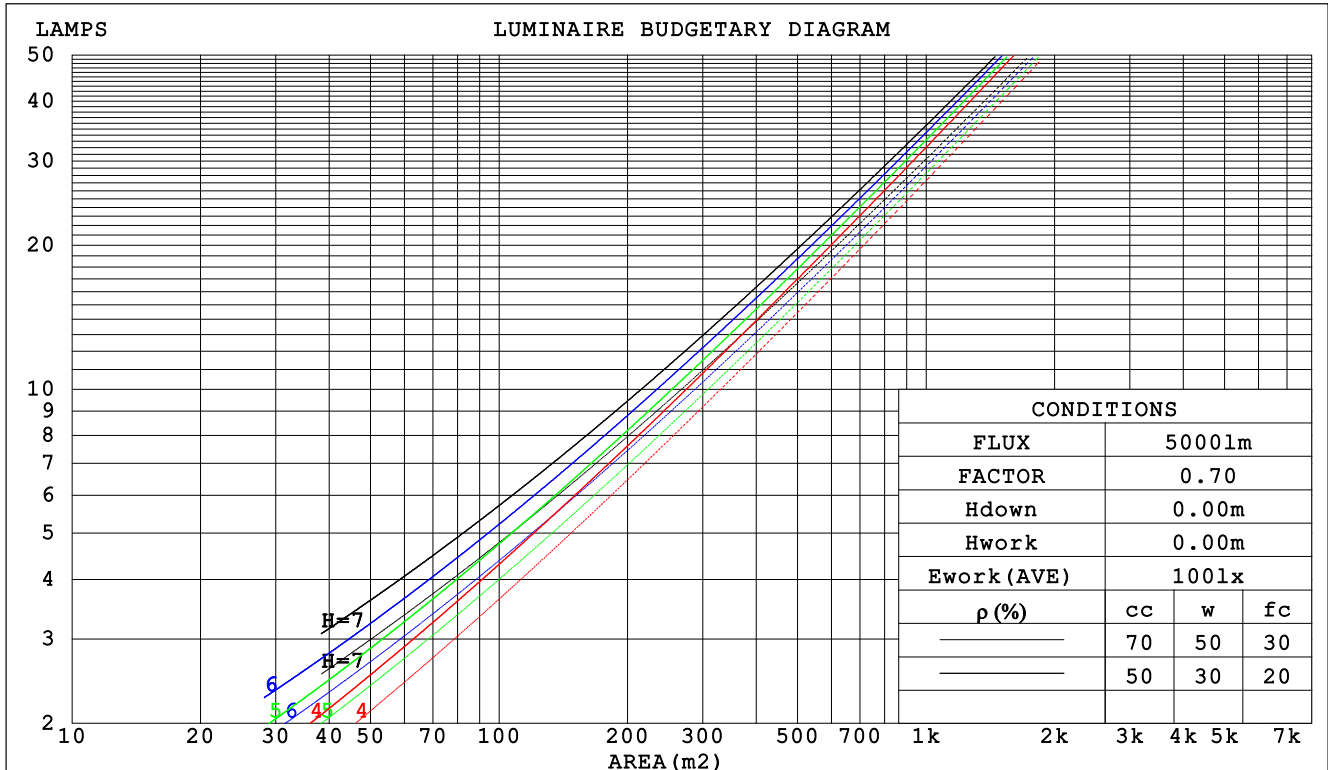
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.8V I:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8043.35x1 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	1.15	1.15	1.15	1.11	1.11	1.11	1.03	1.03	1.03	.95	.95	.95	.88	.88	.88	.85
1.0	1.05	1.02	.99	1.01	.99	.96	.95	.92	.91	.88	.87	.85	.82	.81	.80	.77
2.0	.95	.91	.86	.92	.88	.84	.87	.83	.80	.81	.79	.76	.76	.74	.72	.70
3.0	.87	.81	.76	.84	.79	.74	.79	.75	.71	.75	.71	.68	.71	.68	.65	.63
4.0	.79	.73	.68	.77	.71	.66	.73	.68	.64	.69	.65	.62	.66	.62	.59	.57
5.0	.73	.66	.61	.71	.64	.60	.67	.62	.58	.64	.59	.56	.61	.57	.54	.52
6.0	.67	.60	.55	.65	.59	.54	.62	.57	.52	.59	.54	.51	.56	.52	.49	.47
7.0	.62	.55	.50	.60	.54	.49	.58	.52	.48	.55	.50	.46	.53	.48	.45	.43
8.0	.57	.50	.45	.56	.49	.45	.53	.48	.44	.51	.46	.43	.49	.45	.42	.40
9.0	.53	.46	.42	.52	.46	.41	.50	.44	.40	.48	.43	.39	.46	.42	.38	.37
10.0	.49	.43	.38	.48	.42	.38	.46	.41	.37	.45	.40	.36	.43	.39	.36	.34



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

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

WEC AND CCEC

Test:U:120.8V I:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8043.35x1 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	.218	.124	.039	.206	.118	.037	.185	.106	.034	.165	.095	.031	.147	.085	.028		
2.0	.209	.114	.035	.199	.109	.034	.180	.100	.031	.162	.091	.029	.146	.083	.026		
3.0	.198	.105	.032	.189	.101	.030	.172	.093	.028	.157	.086	.026	.142	.079	.024		
4.0	.187	.097	.029	.179	.094	.028	.164	.087	.026	.150	.081	.024	.137	.074	.023		
5.0	.177	.090	.026	.170	.087	.025	.156	.081	.024	.144	.076	.023	.132	.070	.021		
6.0	.168	.084	.024	.162	.082	.023	.149	.076	.022	.137	.071	.021	.126	.067	.020		
7.0	.159	.079	.022	.153	.076	.022	.142	.072	.021	.131	.067	.020	.121	.063	.019		
8.0	.151	.074	.021	.146	.072	.020	.135	.068	.019	.126	.064	.018	.116	.060	.017		
9.0	.144	.070	.019	.139	.068	.019	.129	.064	.018	.120	.060	.017	.112	.057	.016		
10.0	.137	.066	.018	.133	.064	.018	.124	.061	.017	.115	.057	.016	.107	.054	.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	.305	.305	.305	.261	.261	.261	.178	.178	.178	.102	.102	.102	.033	.033	.033	
1.0	.290	.273	.257	.248	.234	.222	.170	.161	.153	.098	.093	.089	.031	.030	.029	
2.0	.278	.249	.225	.238	.214	.194	.163	.148	.135	.094	.086	.079	.030	.028	.026	
3.0	.268	.231	.202	.230	.199	.175	.158	.138	.123	.091	.081	.072	.029	.026	.024	
4.0	.259	.217	.185	.222	.188	.161	.153	.131	.113	.089	.077	.067	.028	.025	.022	
5.0	.252	.207	.173	.216	.179	.151	.149	.125	.106	.086	.073	.063	.028	.024	.021	
6.0	.245	.198	.164	.211	.171	.143	.145	.120	.101	.084	.071	.060	.027	.023	.020	
7.0	.239	.191	.157	.206	.166	.137	.142	.116	.097	.083	.068	.058	.027	.022	.019	
8.0	.234	.185	.152	.201	.161	.133	.139	.113	.094	.081	.067	.056	.026	.022	.019	
9.0	.229	.180	.148	.197	.157	.129	.137	.110	.092	.080	.065	.055	.026	.021	.018	
10.0	.224	.176	.145	.193	.153	.126	.134	.108	.090	.078	.064	.053	.025	.021	.018	

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:120.8V I:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8043.35x1 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	23.5	24.6	24.0	25.0	25.4	22.5	23.5	23.0	24.0	24.4
3H	23.5	24.4	24.0	24.9	25.3	22.4	23.4	22.9	23.8	24.3
4H	23.5	24.3	24.0	24.8	25.3	22.4	23.2	22.9	23.7	24.2
6H	23.4	24.2	23.9	24.7	25.3	22.3	23.1	22.8	23.6	24.1
8H	23.4	24.1	23.9	24.7	25.2	22.2	23.0	22.8	23.5	24.1
12H	23.3	24.1	23.9	24.6	25.2	22.2	22.9	22.7	23.4	24.0
4H 2H	23.3	24.2	23.8	24.7	25.2	22.4	23.2	22.9	23.7	24.2
3H	23.3	24.1	23.9	24.6	25.2	22.3	23.1	22.9	23.6	24.2
4H	23.3	24.0	23.9	24.5	25.2	22.3	23.0	22.9	23.5	24.1
6H	23.3	23.9	23.9	24.5	25.1	22.3	22.8	22.9	23.4	24.1
8H	23.3	23.9	23.9	24.4	25.1	22.2	22.7	22.8	23.3	24.0
12H	23.3	23.8	23.9	24.4	25.1	22.2	22.7	22.8	23.3	24.0
8H 4H	23.2	23.7	23.8	24.3	25.0	22.2	22.7	22.8	23.3	24.0
6H	23.2	23.7	23.9	24.3	25.0	22.2	22.6	22.8	23.2	24.0
8H	23.2	23.6	23.9	24.3	25.0	22.2	22.5	22.8	23.2	23.9
12H	23.3	23.6	23.9	24.3	25.0	22.1	22.5	22.8	23.1	23.9
12H 4H	23.1	23.6	23.8	24.2	24.9	22.1	22.6	22.8	23.2	23.9
6H	23.2	23.6	23.9	24.2	25.0	22.1	22.5	22.8	23.2	23.9
8H	23.2	23.5	23.9	24.2	25.0	22.1	22.5	22.8	23.1	23.9
Variations with the observer position at spacings:										
S = 1.0H	+ 2.1 / - 4.1					+ 2.3 / - 4.7				
1.5H	+ 1.8 / - 3.7					+ 2.1 / - 5.2				
2.0H	+ 4.2 / - 4.4					+ 3.7 / - 4.1				

CIE Pub.117 Corrected 8043 lm Total Lamp Luminous Flux.(8log(F/F0) = 7.2)

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:120.8V I:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8043.35x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

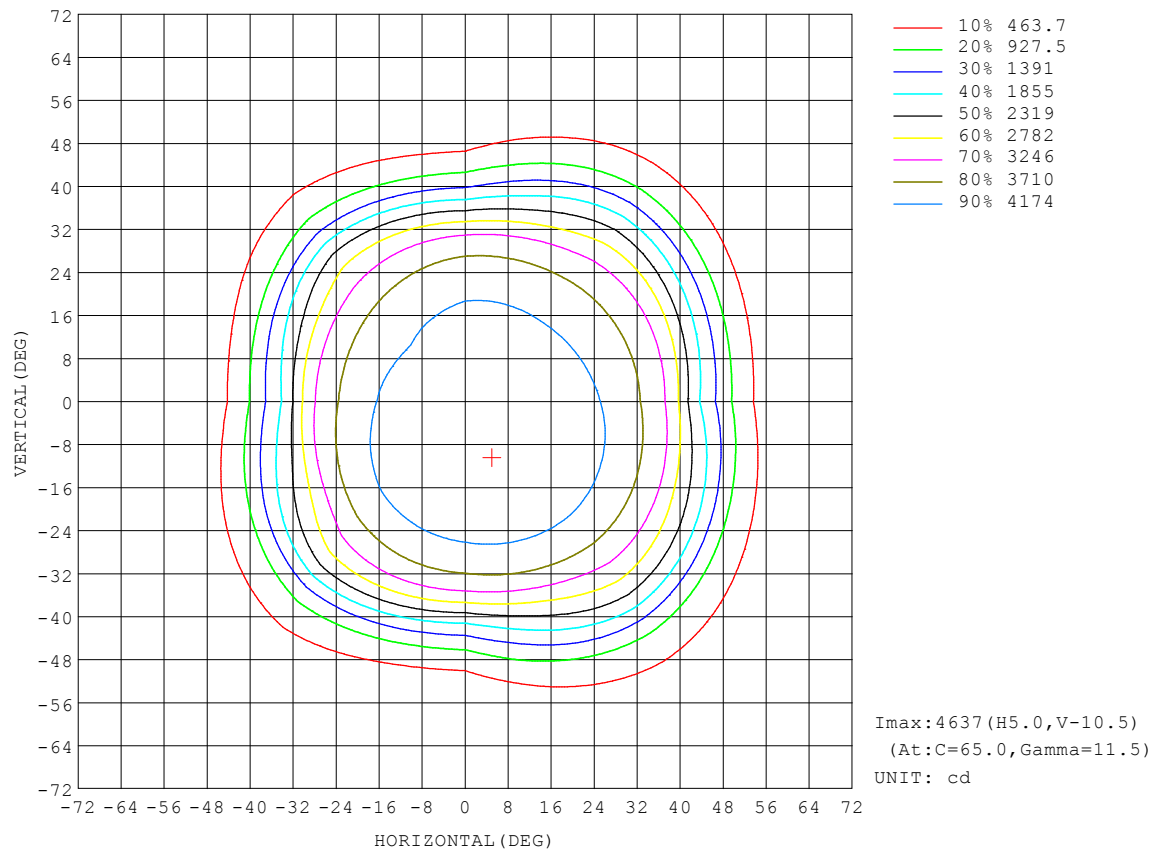
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	70	62	57	69	61	56	67	60	56	51
0.80	79	71	65	77	70	65	75	68	64	58
1.00	85	77	72	84	76	72	80	75	70	64
1.25	91	83	78	89	82	77	85	79	76	68
1.50	95	88	83	92	86	82	88	83	79	71
2.00	99	93	89	96	91	87	91	87	84	75
2.50	102	96	92	99	94	90	93	89	86	76
3.00	104	99	95	101	97	93	95	92	89	78
4.00	107	103	99	103	100	97	97	94	92	80
5.00	109	105	102	105	102	99	98	96	94	81
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:120.8V I:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8043.35x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

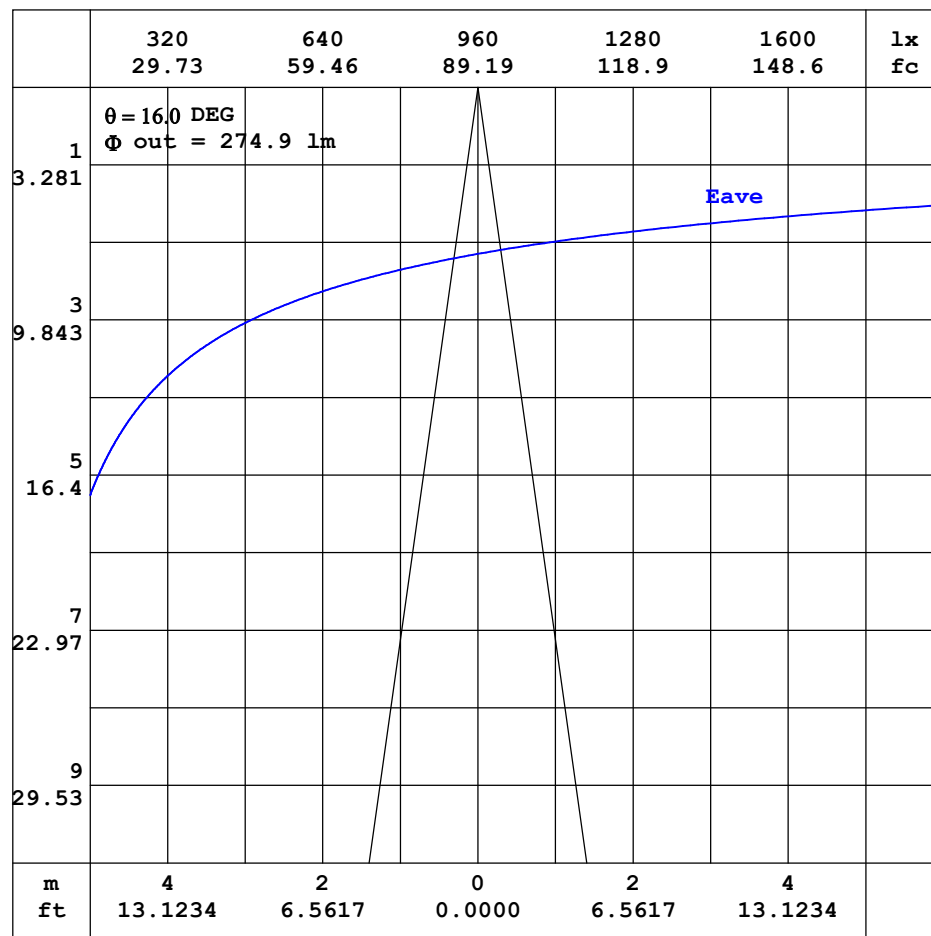


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.8V I:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8043.35x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



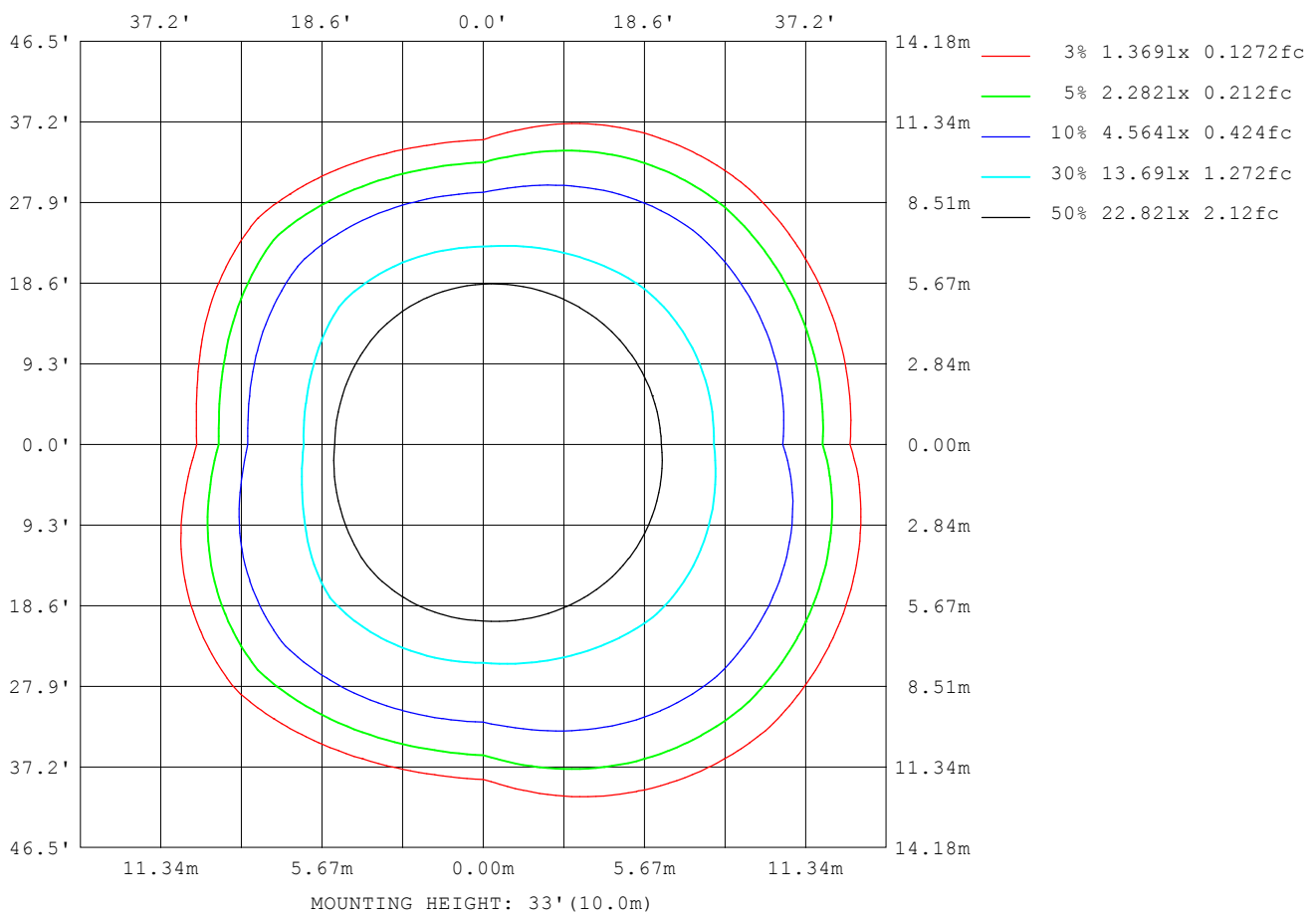
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.8V I:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8043.35x1 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:120.8V I:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8043.35x1 lm		
NAME: 4FT	TYPE:3000K 1.9	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

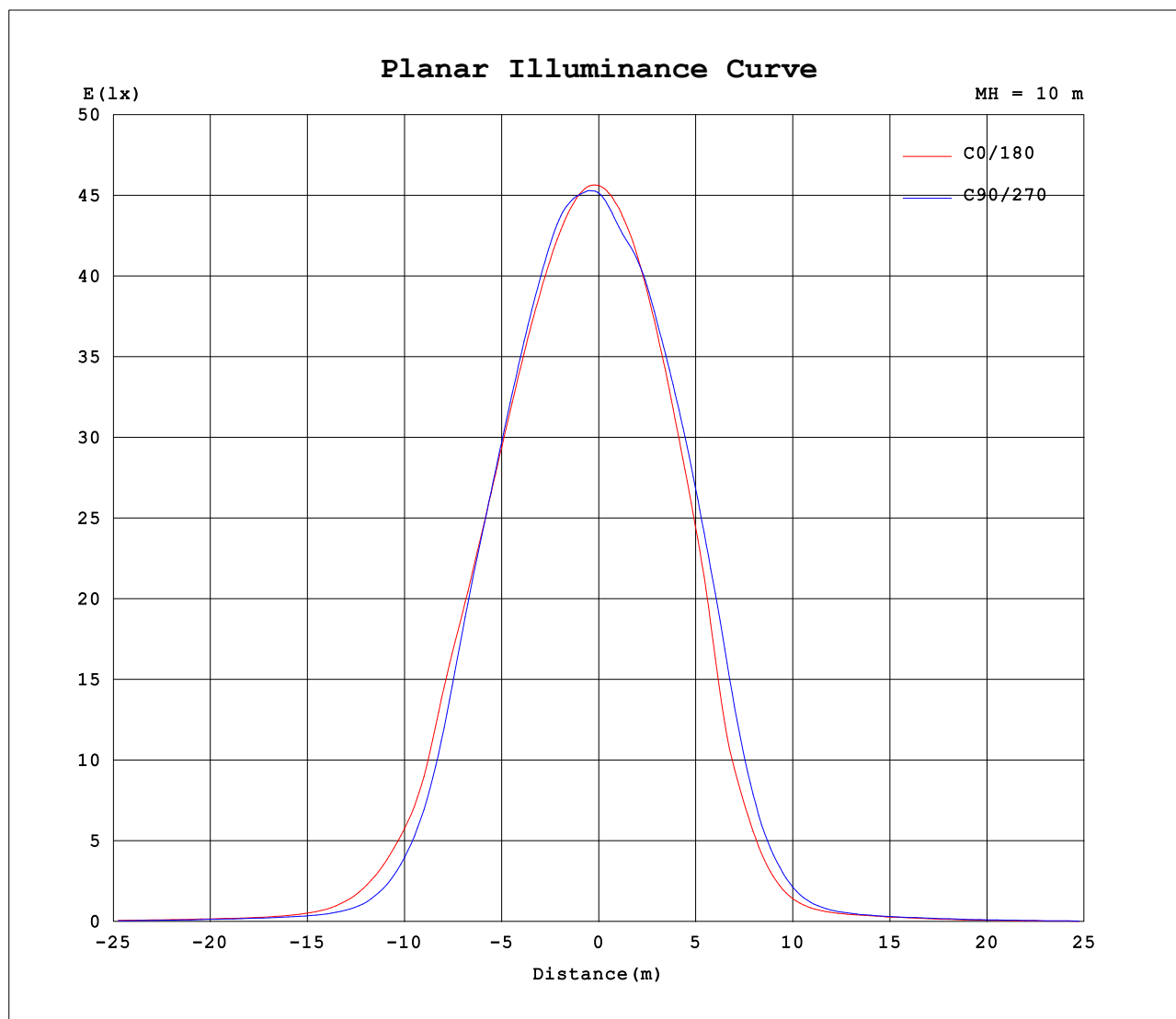
AvgL	cd/m2
L_0~180 (65) av	6691
L_0~180 (75) av	4896
L_0~180 (85) av	3754
L_90~270 (65) av	6511
L_90~270 (75) av	3931
L_90~270 (85) av	2707
L_45 (65) av	6777
L_45 (75) av	4429
L_45 (85) av	3450

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:120.8V I:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8043.35x1 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	4563	4560	4556	4553	4550	4547	4544	4541	4539	4536	4533	4531	4528	4526	4524	4521	4519	4518	4516
5	4576	4578	4580	4582	4583	4584	4584	4585	4585	4584	4583	4582	4581	4579	4577	4574	4571	4568	4565
10	4544	4556	4567	4577	4586	4594	4602	4608	4614	4619	4623	4627	4630	4631	4632	4631	4629	4626	4621
15	4473	4497	4519	4539	4557	4573	4586	4598	4607	4614	4617	4619	4618	4616	4612	4606	4599	4591	4581
20	4360	4388	4414	4437	4457	4474	4489	4501	4510	4517	4518	4517	4513	4507	4500	4490	4479	4466	4452
25	4180	4212	4240	4265	4287	4305	4320	4332	4340	4345	4345	4341	4334	4324	4312	4298	4282	4264	4244
30	3901	3941	3975	4006	4031	4052	4068	4080	4087	4089	4081	4069	4053	4034	4011	3986	3959	3930	3899
35	3492	3548	3596	3636	3668	3693	3709	3717	3718	3711	3680	3643	3601	3553	3503	3450	3396	3342	3289
40	2704	2829	2936	3024	3094	3146	3180	3195	3191	3170	3082	2979	2865	2743	2618	2492	2370	2254	2149
45	1631	1825	1994	2136	2252	2341	2405	2442	2454	2439	2333	2205	2062	1906	1744	1581	1420	1267	1127
50	869	1014	1139	1245	1331	1397	1444	1471	1479	1466	1385	1287	1177	1059	936	811	690	575	471
55	370	443	507	561	605	640	666	683	690	687	652	609	560	506	451	395	340	287	240
60	228	256	281	302	320	334	344	351	354	354	342	327	309	290	269	248	227	207	188
65	193	197	200	203	204	205	205	205	204	202	198	193	188	182	176	170	164	158	152
70	153	152	150	148	147	145	143	140	138	135	132	129	125	122	118	115	111	108	104
75	100	100	99.9	99.3	98.4	97.3	96.0	94.4	92.5	90.4	87.4	84.2	80.9	77.4	73.9	70.3	66.8	63.4	60.0
80	56.9	57.2	57.3	57.2	56.9	56.4	55.7	54.9	53.8	52.6	50.8	48.8	46.8	44.6	42.4	40.1	37.8	35.6	33.5
85	29.8	30.2	30.5	30.6	30.6	30.5	30.2	29.8	29.3	28.6	27.4	26.2	24.8	23.4	21.9	20.5	19.0	17.5	16.1
90	18.8	18.3	17.7	17.1	16.5	15.8	15.0	14.3	13.5	12.6	11.4	10.1	8.87	7.66	6.52	5.52	4.63	3.80	3.06
95	38.6	39.6	40.3	40.7	40.7	40.4	39.7	38.7	37.4	35.7	31.4	26.9	22.4	18.1	14.2	10.8	8.01	6.13	5.28
100	83.9	84.6	84.8	84.5	83.7	82.4	80.6	78.2	75.4	72.1	64.6	56.9	49.3	42.0	35.2	29.4	24.6	21.3	19.7
105	114	116	117	117	116	115	113	111	108	104	94.6	85.2	75.8	66.8	58.4	51.1	45.0	40.7	38.3
110	149	151	152	153	152	151	149	146	142	137	127	115	104	93.4	83.4	74.5	67.0	61.5	58.3
115	182	186	188	190	190	189	187	184	180	175	162	149	136	123	111	99.8	90.5	83.2	78.6
120	222	226	228	230	230	228	226	222	217	211	197	182	167	152	138	125	114	105	99.4
125	259	262	265	266	266	264	261	257	251	244	229	213	196	180	165	151	138	128	121
130	295	298	300	300	298	296	292	287	280	272	257	240	223	206	190	175	162	151	143
135	324	326	326	325	323	320	316	310	303	295	279	263	246	229	213	198	185	174	165
140	345	345	345	343	340	337	332	326	319	310	295	280	264	248	232	218	205	195	186
145	358	357	356	353	350	346	341	334	327	319	306	292	277	263	249	236	224	214	206
150	365	363	360	357	353	349	343	337	330	323	311	299	286	274	262	251	241	232	224
155	363	360	357	353	349	345	340	334	328	321	312	301	291	281	271	262	254	247	240
160	351	349	346	343	339	336	331	327	322	317	309	302	294	286	279	272	265	260	255
165	334	333	331	328	326	323	320	317	314	310	305	300	294	289	284	279	275	271	267
170	314	314	313	312	311	309	308	306	304	302	299	296	293	290	287	284	281	278	276
175	297	297	297	297	297	296	296	295	295	294	293	291	290	289	287	286	284	283	282
180	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278

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:120.8V I:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8043.35x1 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	4514	4512	4510	4509	4508	4508	4508	4509	4510	4516	4522	4528	4535	4541	4547	4553	4558	4563	4562
5	4560	4555	4550	4544	4539	4534	4529	4524	4519	4518	4517	4516	4515	4514	4513	4511	4509	4506	4498
10	4613	4602	4591	4579	4566	4553	4539	4525	4511	4500	4489	4479	4468	4457	4445	4434	4422	4411	4394
15	4572	4563	4551	4539	4526	4511	4495	4478	4460	4436	4411	4385	4359	4333	4307	4282	4259	4237	4220
20	4441	4429	4416	4401	4384	4366	4346	4324	4300	4263	4225	4185	4146	4108	4070	4035	4002	3972	3959
25	4227	4209	4189	4168	4144	4118	4089	4058	4025	3973	3919	3865	3811	3758	3707	3660	3617	3579	3568
30	3880	3859	3836	3811	3782	3749	3711	3669	3621	3529	3434	3338	3241	3148	3059	2977	2905	2844	2850
35	3277	3266	3253	3237	3217	3190	3155	3110	3053	2900	2738	2571	2404	2241	2087	1946	1822	1720	1759
40	2154	2170	2192	2218	2244	2265	2280	2284	2273	2135	1984	1824	1659	1496	1337	1189	1054	939	959
45	1113	1113	1125	1144	1168	1193	1217	1235	1244	1158	1064	964	861	757	657	563	477	403	414
50	460	461	471	489	511	536	562	586	605	569	528	484	437	390	343	299	259	223	228
55	236	237	242	251	262	275	288	301	312	302	289	274	259	243	227	212	198	185	184
60	183	179	177	176	176	176	177	178	179	175	171	166	162	157	153	149	145	142	140
65	148	145	141	138	135	131	128	126	123	119	115	111	107	103	100	97.0	94.3	92.0	91.1
70	101	97.8	94.8	91.8	88.8	85.9	83.0	80.2	77.3	73.8	70.3	67.0	63.7	60.7	57.9	55.3	53.0	51.1	50.5
75	57.7	55.5	53.5	51.6	49.7	48.0	46.3	44.7	43.1	41.0	38.9	36.9	34.9	33.1	31.4	29.9	28.6	27.4	26.9
80	32.0	30.6	29.2	28.0	26.8	25.6	24.5	23.4	22.3	20.9	19.5	18.1	16.8	15.6	14.4	13.4	12.4	11.7	11.4
85	15.1	14.2	13.3	12.5	11.7	11.0	10.3	9.66	9.02	8.20	7.40	6.64	5.92	5.25	4.63	4.09	3.61	3.22	3.14
90	3.25	3.61	4.10	4.72	5.43	6.22	7.06	7.92	8.79	9.04	9.29	9.56	9.89	10.3	10.8	11.4	12.1	13.0	15.6
95	10.8	17.3	24.6	32.5	40.7	49.0	57.2	65.1	72.4	74.7	76.4	77.5	78.2	78.6	78.7	78.8	78.8	79.0	83.2
100	27.9	37.8	49.0	61.2	74.1	87.4	101	114	126	133	139	145	149	153	156	158	160	160	162
105	47.6	58.9	71.7	85.9	101	116	132	148	162	172	180	187	193	199	203	207	209	210	211
110	68.5	81.0	95.4	111	128	145	163	181	198	208	218	226	234	240	245	249	252	254	254
115	89.1	102	118	134	153	172	191	210	229	241	252	262	270	278	284	289	292	294	293
120	110	123	138	155	174	194	214	234	253	266	279	290	300	308	315	320	324	326	324
125	130	143	157	174	192	211	231	251	270	284	297	310	320	330	338	344	349	351	348
130	151	161	174	189	206	224	242	261	279	294	308	321	333	343	352	359	364	367	363
135	171	180	191	203	218	233	249	266	283	297	311	324	336	347	356	364	369	373	368
140	190	196	205	215	227	240	253	268	282	295	308	320	332	342	351	358	364	368	363
145	208	213	219	227	236	246	257	268	280	291	301	312	321	330	338	344	349	353	348
150	225	228	232	238	244	252	260	268	277	285	293	301	309	315	321	326	330	333	330
155	241	242	245	248	252	257	263	269	275	281	286	292	297	302	306	309	312	314	312
160	254	255	256	258	260	263	267	270	274	277	281	284	287	290	293	295	297	298	296
165	266	266	266	267	268	269	270	272	274	276	277	279	281	282	284	285	286	286	286
170	275	274	274	274	274	274	274	275	275	276	276	277	278	278	279	279	279	280	280
175	281	280	280	280	279	279	279	279	279	279	279	279	279	279	279	279	279	279	279
180	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278

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:120.8V I:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8043.35x1 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	4561	4559	4556	4552	4549	4545	4540	4536	4533	4531	4528	4526	4524	4521	4519	4518	4516	4514	4512
5	4489	4480	4471	4461	4451	4442	4433	4424	4418	4413	4408	4404	4401	4398	4397	4396	4396	4397	4398
10	4377	4360	4344	4328	4314	4302	4291	4282	4285	4290	4297	4305	4314	4324	4334	4343	4352	4350	4348
15	4205	4192	4181	4173	4166	4162	4160	4161	4171	4183	4197	4212	4227	4243	4259	4274	4289	4290	4291
20	3950	3944	3942	3943	3946	3952	3961	3971	3985	4000	4017	4034	4053	4071	4089	4107	4124	4132	4139
25	3562	3562	3567	3576	3589	3606	3625	3647	3670	3694	3719	3746	3772	3799	3825	3851	3875	3888	3900
30	2867	2895	2931	2974	3022	3073	3126	3180	3203	3225	3246	3266	3286	3306	3326	3347	3369	3401	3434
35	1820	1899	1992	2095	2203	2312	2419	2519	2520	2512	2498	2480	2461	2443	2429	2421	2422	2493	2573
40	999	1055	1123	1201	1284	1368	1450	1526	1504	1475	1442	1409	1378	1353	1336	1330	1338	1448	1572
45	438	472	513	560	610	661	710	755	732	704	676	648	623	604	593	592	605	707	821
50	238	253	271	291	313	335	356	375	360	343	326	309	295	283	276	275	281	333	392
55	184	186	190	194	198	203	208	213	209	205	201	198	196	195	195	198	203	223	246
60	139	139	139	139	140	141	142	144	145	147	149	152	154	158	161	165	170	176	183
65	90.6	90.5	90.8	91.5	92.5	93.9	95.5	97.5	99.8	102	105	108	111	115	118	122	125	128	132
70	50.3	50.4	50.8	51.5	52.5	53.8	55.3	56.9	58.5	60.2	62.1	64.2	66.4	68.8	71.4	74.1	77.0	80.0	83.2
75	26.7	26.7	26.8	27.2	27.7	28.3	29.1	30.0	30.9	31.9	33.0	34.2	35.6	37.1	38.7	40.6	42.5	44.8	47.2
80	11.2	11.2	11.4	11.6	12.0	12.4	13.0	13.6	14.2	14.8	15.5	16.3	17.2	18.1	19.2	20.3	21.5	23.0	24.5
85	3.14	3.21	3.35	3.55	3.80	4.09	4.42	4.77	4.91	5.09	5.29	5.54	5.84	6.20	6.63	7.13	7.72	8.64	9.64
90	18.2	20.9	23.5	25.9	28.0	29.8	31.2	32.0	29.2	25.9	22.2	18.3	14.4	10.5	6.75	3.34	0.39	0.91	1.94
95	87.4	91.5	95.3	98.5	101	103	103	103	93.5	83.3	72.4	61.1	49.7	38.5	28.0	18.5	10.3	11.7	14.5
100	163	163	162	160	158	154	149	143	130	117	102	87.9	73.7	60.2	47.7	36.5	27.1	28.9	32.4
105	211	210	208	204	200	194	187	179	164	148	132	115	99.3	84.1	70.0	57.6	47.1	49.1	53.1
110	252	250	246	241	235	228	219	209	193	175	157	140	123	107	91.7	78.7	67.9	70.7	75.7
115	290	286	280	273	265	256	245	234	216	197	179	161	143	127	112	98.8	88.3	92.3	98.6
120	320	315	307	299	289	278	266	253	235	216	198	179	162	146	131	119	109	114	122
125	342	335	327	316	305	293	279	265	247	229	212	194	178	163	150	139	130	136	144
130	356	348	338	327	314	301	286	272	255	238	222	206	192	178	167	158	152	159	168
135	361	352	341	329	316	303	288	274	259	244	229	216	204	193	184	177	173	181	192
140	356	347	337	325	313	300	287	274	261	248	236	226	216	208	201	196	194	203	214
145	342	335	326	316	306	295	284	273	263	253	243	235	228	222	217	214	213	222	232
150	325	319	312	305	297	289	281	272	265	257	251	245	240	236	233	231	231	239	248
155	308	304	299	294	289	283	278	272	267	262	258	254	251	249	248	247	248	254	261
160	294	292	289	286	283	279	276	273	270	267	265	263	261	261	260	261	262	266	271
165	285	283	282	280	279	277	275	274	273	272	271	270	270	270	271	271	273	276	279
170	279	279	278	278	278	277	277	277	276	276	276	276	277	277	278	279	280	281	283
175	279	280	280	280	280	280	280	281	281	281	281	282	282	282	283	283	283	284	285
180	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278

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:120.8V I:0.5200A P:62.70W PF:0.9900 Freq:60.00Hz Lamp Flux:8043.35x1 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	4510	4509	4508	4508	4508	4509	4510	4513	4517	4521	4526	4532	4539	4546	4554				
5	4400	4404	4408	4413	4420	4427	4436	4447	4458	4472	4486	4501	4518	4536	4555				
10	4346	4343	4342	4341	4342	4344	4348	4360	4374	4391	4411	4432	4456	4483	4512				
15	4290	4290	4289	4289	4290	4293	4297	4308	4321	4337	4354	4374	4395	4419	4445				
20	4146	4152	4159	4165	4172	4180	4189	4203	4218	4235	4252	4271	4291	4313	4336				
25	3911	3921	3931	3940	3951	3962	3974	3991	4010	4030	4052	4075	4099	4125	4152				
30	3468	3502	3537	3572	3606	3641	3674	3703	3731	3759	3785	3810	3834	3857	3880				
35	2660	2752	2848	2945	3041	3134	3223	3279	3329	3372	3408	3438	3462	3478	3488				
40	1706	1848	1994	2140	2283	2419	2547	2616	2672	2716	2746	2764	2768	2760	2738				
45	943	1071	1202	1331	1456	1574	1681	1731	1767	1789	1798	1792	1773	1739	1692				
50	456	523	591	660	726	789	847	877	899	915	924	927	922	911	893				
55	270	295	321	345	369	391	410	418	422	424	423	418	411	400	387				
60	191	198	205	212	219	225	230	233	235	236	237	237	236	234	231				
65	135	138	141	145	148	152	155	159	163	167	171	175	180	184	188				
70	86.5	90.0	93.6	97.3	101	105	109	114	118	123	127	132	137	142	147				
75	49.7	52.4	55.2	58.1	61.2	64.3	67.6	70.9	74.2	77.7	81.2	84.8	88.6	92.4	96.3				
80	26.1	27.8	29.5	31.3	33.2	35.2	37.2	39.2	41.2	43.3	45.5	47.7	49.9	52.2	54.6				
85	10.7	11.9	13.1	14.3	15.6	16.9	18.3	19.5	20.7	22.0	23.3	24.5	25.8	27.1	28.4				
90	3.39	5.17	7.21	9.41	11.7	14.0	16.2	17.2	17.9	18.6	19.0	19.3	19.4	19.4	19.2				
95	18.4	23.2	28.6	34.4	40.3	46.0	51.4	52.6	53.2	53.1	52.3	50.9	48.8	46.1	42.6				
100	37.4	43.6	50.8	58.4	66.4	74.3	81.9	84.7	86.9	88.4	89.3	89.5	89.1	88.0	86.3				
105	58.9	66.0	74.1	82.9	92.0	101	110	113	116	118	119	120	119	118	117				
110	82.5	90.9	100	111	121	132	142	146	149	152	153	154	154	153	152				
115	107	117	128	140	152	164	175	180	184	187	188	189	189	188	185				
120	131	142	155	168	181	195	207	213	218	222	224	226	227	226	225				
125	155	167	180	194	208	222	236	242	248	253	256	259	260	261	260				
130	179	192	206	221	236	251	266	273	279	285	289	293	295	296	296				
135	205	219	234	250	266	281	296	304	311	316	320	323	325	326	325				
140	226	240	255	270	285	300	314	322	329	334	339	342	344	346	346				
145	244	257	270	284	298	312	325	333	339	345	349	353	356	357	358				
150	258	269	280	292	304	316	327	334	340	346	351	355	359	361	364				
155	269	278	287	296	305	315	324	330	336	341	346	350	354	357	360				
160	277	283	290	297	303	310	317	322	326	331	335	339	342	345	348				
165	283	287	291	295	300	304	308	312	315	318	321	324	327	329	332				
170	285	288	290	292	295	297	299	301	303	305	307	308	310	311	313				
175	286	286	287	288	289	290	291	291	292	293	294	294	295	296	296				
180	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278				

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: