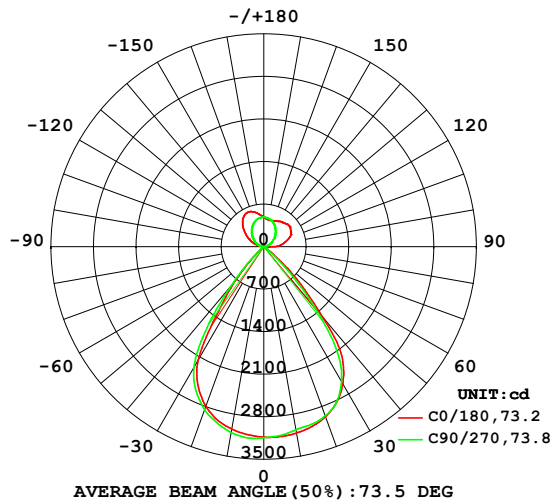


LUMINAIRE PHOTOMETRIC TEST REPORT

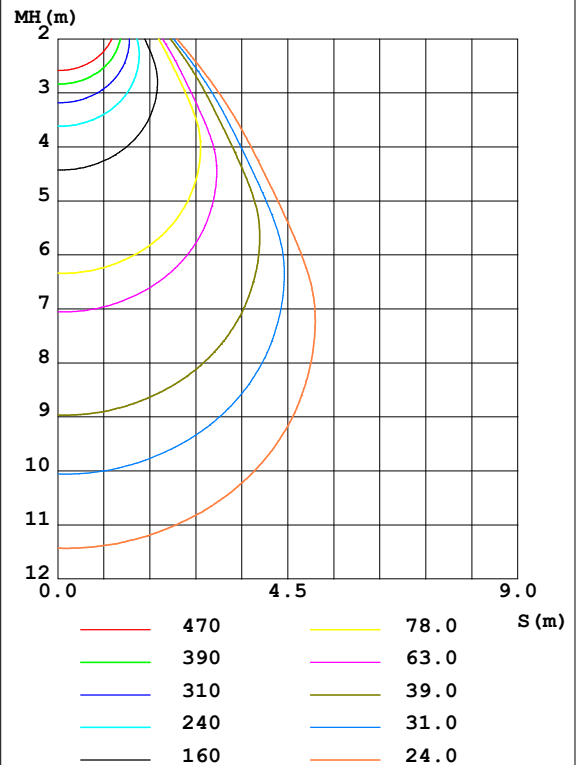
Test:U:120.6V I:0.3920A P:47.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6165.73x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.63 lm/W			
MODEL		I _{max} (cd)	3167	S/MH(C0/180)	1.15
NOMINAL POWER(W)	48W	LOR(%)	100.0	S/MH(C90/270)	1.03
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	6165.7	η UP,DN(C0-180)	15.0,36.9
NOMINAL FLUX(lm)	6165.73	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	15.3,32.7
LAMPS INSIDE	1	η up(%)	30.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	69.6	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:

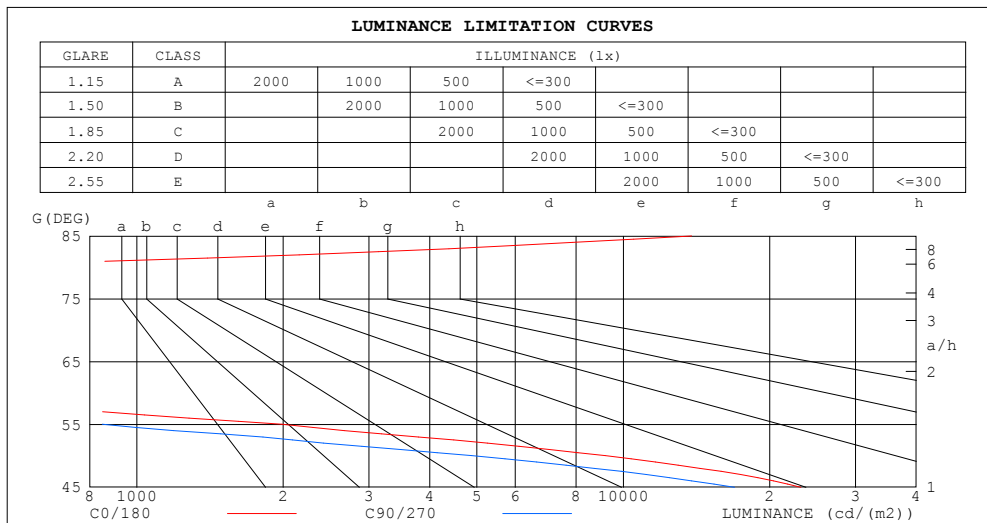
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3114	3084	3060	3063	3048	3088	3105	3136	0- 10	297.7	297.7	4.83,4.83
20	2976	2966	2960	2872	2794	2819	2855	2919	10- 20	848.2	1146	18.6,18.6
30	2602	2673	2561	2476	2163	2262	2304	2470	20- 30	1244	2389	38.8,38.8
40	1506	1950	1306	1597	705.0	1205	832.3	1614	30- 40	1209	3598	58.4,58.4
50	295.2	663.9	156.9	337.8	31.19	180.4	47.32	355.3	40- 50	570.6	4169	67.6,67.6
60	9.051	66.44	10.40	23.43	6.908	8.598	8.224	26.64	50- 60	89.16	4258	69.1,69.1
70	5.245	6.234	6.946	5.798	5.356	4.806	5.119	5.446	60- 70	9.314	4267	69.2,69.2
80	3.598	4.322	4.334	4.368	4.824	3.289	2.858	4.413	70- 80	4.989	4272	69.3,69.3
90	174.9	100.4	1.724	3.979	4.201	3.122	0.6025	133.5	80- 90	21.47	4294	69.6,69.6
100	333.3	229.0	26.54	66.94	41.49	104.5	42.39	248.8	90-100	100.8	4395	71.3,71.3
110	456.5	314.1	88.15	179.1	190.3	203.7	106.4	315.7	100-110	193.2	4588	74.4,74.4
120	513.2	361.3	157.3	286.7	302.4	312.6	173.6	352.2	110-120	265.6	4853	78.7,78.7
130	543.4	384.4	229.0	405.0	427.8	428.0	244.5	382.3	120-130	306.0	5159	83.7,83.7
140	513.3	395.2	303.0	499.9	545.7	512.4	316.9	400.0	130-140	314.3	5474	88.8,88.8
150	483.9	406.9	374.1	553.8	617.1	553.4	384.7	411.4	140-150	284.8	5758	93.4,93.4
160	455.3	424.2	433.4	558.2	616.3	550.9	440.3	429.0	150-160	222.4	5981	97,97
170	452.9	448.0	471.8	530.0	554.0	520.3	475.8	454.3	160-170	138.5	6119	99.2,99.2
180	481.0	481.0	481.0	481.0	481.0	481.0	481.0	481.0	170-180	46.48	6166	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:120.6V I:0.3920A P:47.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6165.73x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	13814	742
80	414	499
75	321	430
70	307	406
65	323	402
60	362	416
55	1988	849
50	9184	4883
45	23155	16920

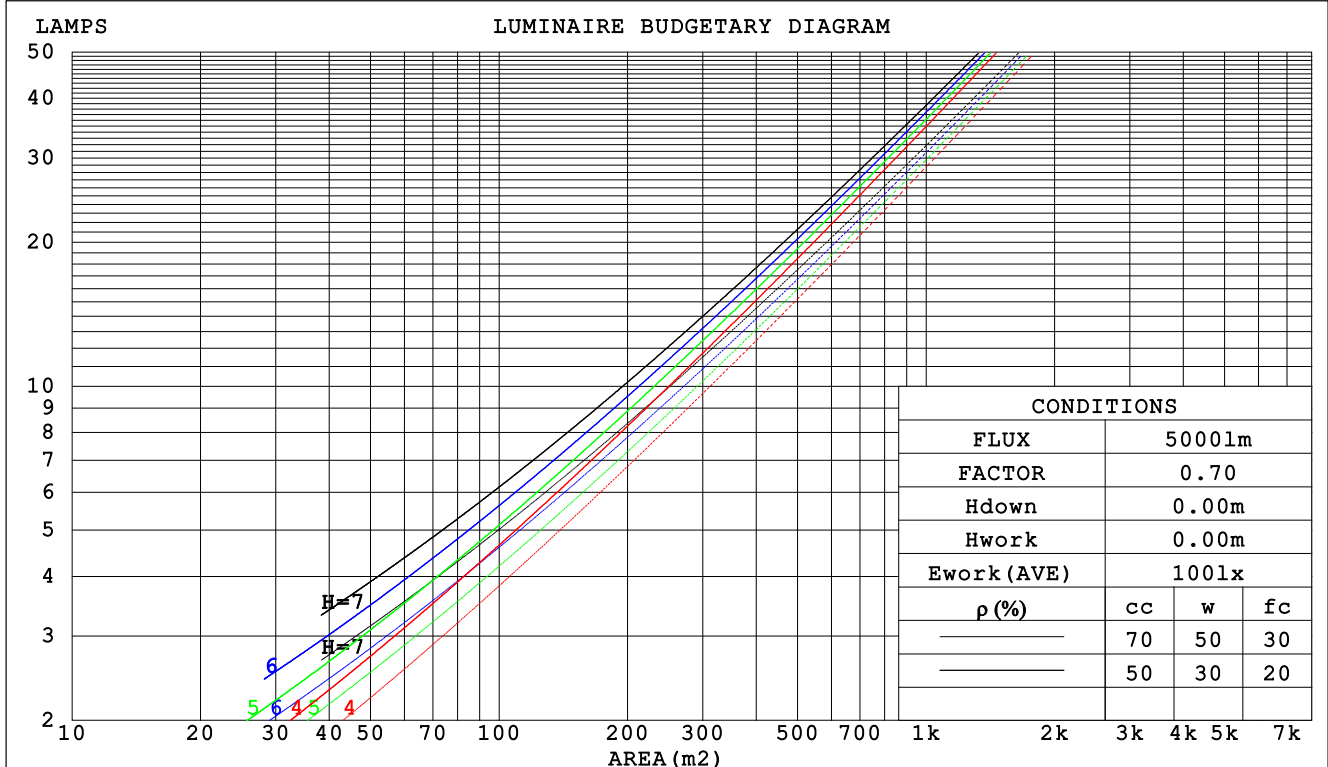
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.6V I:0.3920A P:47.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6165.73x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.12	1.12	1.12	1.06	1.06	1.06	.94	.94	.94	.84	.84	.84	.74	.74	.74	.70
1.0	1.01	.98	.96	.96	.94	.91	.87	.85	.83	.78	.76	.75	.70	.69	.68	.64
2.0	.92	.87	.83	.88	.84	.80	.80	.76	.74	.72	.70	.68	.65	.63	.62	.59
3.0	.84	.78	.73	.80	.75	.71	.73	.69	.66	.67	.64	.61	.61	.58	.57	.54
4.0	.77	.70	.65	.73	.68	.63	.67	.63	.59	.62	.58	.55	.57	.54	.52	.49
5.0	.70	.64	.58	.67	.61	.57	.62	.57	.54	.57	.53	.50	.53	.50	.47	.45
6.0	.65	.58	.53	.62	.56	.51	.57	.52	.49	.53	.49	.46	.49	.46	.43	.41
7.0	.60	.53	.48	.57	.51	.47	.53	.48	.44	.49	.45	.42	.46	.42	.40	.38
8.0	.55	.48	.44	.53	.47	.43	.49	.44	.41	.46	.42	.39	.43	.39	.37	.35
9.0	.51	.44	.40	.49	.43	.39	.46	.41	.37	.43	.39	.36	.40	.37	.34	.32
10.0	.48	.41	.37	.46	.40	.36	.43	.38	.34	.40	.36	.33	.38	.34	.32	.30



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

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

WEC AND CCEC

Test:U:120.6V I:0.3920A P:47.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6165.73x1 lm					
NAME: 4FT			TYPE:3500K 3.7		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: EVERFINE			SUR.:1.12*0.045		Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.216	.123	.039	.200	.114	.036	.170	.098	.031	.143	.082	.026	.118	.068	.022		
2.0	.204	.112	.034	.190	.105	.032	.163	.091	.028	.139	.078	.024	.116	.065	.021		
3.0	.193	.103	.031	.180	.096	.029	.156	.084	.026	.133	.073	.022	.113	.062	.019		
4.0	.182	.095	.028	.171	.089	.026	.149	.079	.024	.128	.069	.021	.109	.059	.018		
5.0	.173	.088	.025	.162	.083	.024	.142	.074	.022	.123	.065	.019	.105	.056	.017		
6.0	.163	.082	.023	.154	.078	.022	.135	.069	.020	.118	.061	.018	.102	.053	.016		
7.0	.155	.077	.022	.146	.073	.021	.129	.065	.019	.113	.058	.017	.098	.051	.015		
8.0	.147	.072	.020	.139	.068	.019	.123	.062	.018	.108	.055	.016	.094	.048	.014		
9.0	.140	.068	.019	.132	.065	.018	.118	.058	.016	.104	.052	.015	.091	.046	.013		
10.0	.133	.064	.018	.126	.061	.017	.113	.055	.016	.100	.049	.014	.087	.044	.013		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.422	.422	.422	.360	.360	.360	.246	.246	.246	.141	.141	.141	.045	.045	.045	
1.0	.407	.390	.375	.348	.335	.323	.238	.230	.223	.137	.133	.130	.044	.043	.042	
2.0	.395	.367	.343	.339	.316	.297	.232	.219	.207	.134	.127	.121	.043	.041	.040	
3.0	.386	.350	.321	.331	.302	.279	.227	.210	.195	.131	.122	.115	.042	.040	.038	
4.0	.377	.337	.305	.324	.291	.265	.223	.203	.187	.129	.119	.111	.041	.039	.036	
5.0	.370	.326	.294	.318	.282	.256	.219	.197	.180	.127	.116	.107	.041	.038	.035	
6.0	.364	.318	.285	.313	.275	.248	.216	.193	.176	.125	.113	.104	.040	.037	.034	
7.0	.358	.311	.278	.308	.270	.243	.213	.189	.172	.124	.111	.102	.040	.036	.034	
8.0	.353	.306	.273	.304	.265	.238	.210	.186	.169	.122	.110	.101	.040	.036	.033	
9.0	.348	.301	.269	.300	.261	.235	.208	.184	.167	.121	.108	.099	.039	.036	.033	
10.0	.343	.297	.266	.296	.258	.232	.205	.181	.165	.120	.107	.098	.039	.035	.033	

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

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

UGR(Unified Glare Rating) Table

Test:U:120.6V I:0.3920A P:47.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6165.73x1 lm										
NAME: 4FT					TYPE:3500K 3.7			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:1.12*0.045			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	19.8	20.7	20.4	21.3	22.0	19.0	19.9	19.6	20.5	21.2
3H	19.5	20.3	20.2	20.9	21.7	18.7	19.5	19.4	20.1	20.9
4H	19.4	20.1	20.1	20.8	21.5	18.6	19.3	19.3	20.0	20.7
6H	19.2	19.9	19.9	20.6	21.4	18.4	19.1	19.1	19.8	20.6
8H	19.2	19.8	19.9	20.5	21.3	18.3	19.0	19.1	19.7	20.5
12H	19.2	19.9	20.0	20.6	21.4	18.3	18.9	19.0	19.6	20.4
4H 2H	19.4	20.1	20.1	20.8	21.6	18.6	19.3	19.3	20.0	20.8
3H	19.1	19.7	19.8	20.4	21.3	18.3	18.9	19.0	19.6	20.5
4H	18.9	19.5	19.7	20.2	21.1	18.2	18.7	18.9	19.4	20.3
6H	18.8	19.3	19.6	20.0	21.0	18.0	18.5	18.8	19.2	20.2
8H	18.7	19.2	19.5	19.9	20.9	17.9	18.4	18.7	19.1	20.1
12H	18.9	19.3	19.7	20.1	21.1	17.8	18.2	18.7	19.0	20.0
8H 4H	18.7	19.1	19.5	19.9	20.9	17.9	18.4	18.7	19.1	20.1
6H	18.5	18.9	19.4	19.7	20.7	17.8	18.1	18.6	18.9	19.9
8H	18.5	18.8	19.3	19.6	20.6	17.7	18.0	18.5	18.8	19.8
12H	18.8	19.1	19.6	19.9	20.9	17.6	17.9	18.5	18.7	19.7
12H 4H	18.6	19.0	19.4	19.8	20.8	17.8	18.2	18.7	19.0	20.0
6H	18.5	18.8	19.3	19.6	20.6	17.7	18.0	18.5	18.8	19.8
8H	18.4	18.7	19.3	19.5	20.6	17.6	17.9	18.5	18.7	19.7
Variations with the observer position at spacings:										
S = 1.0H	+ 2.8 / -14.0					+ 2.8 / -15.8				
1.5H	+ 3.0 / - 8.9					+ 3.2 / -12.6				
2.0H	+ 6.2 / -12.0					+ 5.9 / -15.2				

CIE Pub.117 Corrected 6166 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.3)

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:120.6V I:0.3920A P:47.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6165.73x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

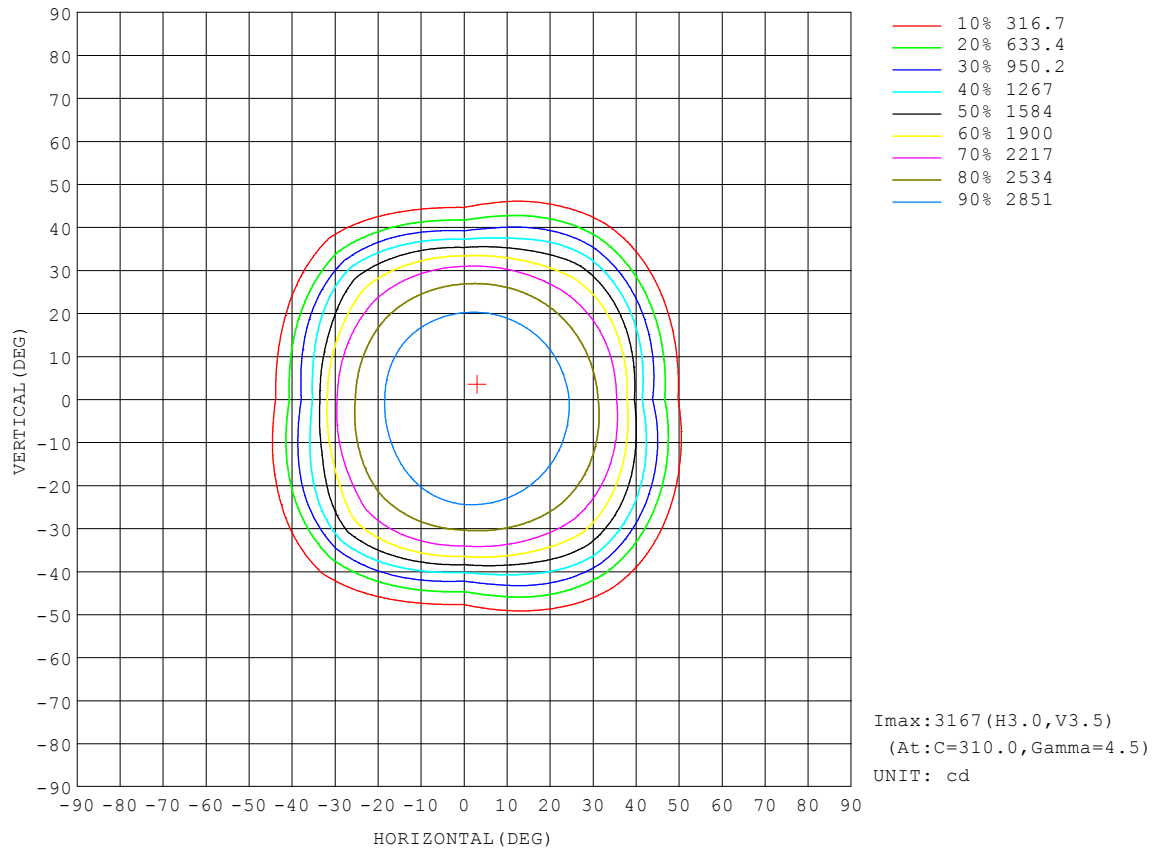
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	66	57	52	64	56	52	61	55	51	45
0.80	74	66	61	72	64	60	68	62	58	51
1.00	80	72	67	78	70	66	73	68	63	55
1.25	86	78	73	83	76	71	77	72	68	59
1.50	90	82	77	86	80	75	80	75	72	61
2.00	94	88	83	90	85	80	83	79	76	63
2.50	97	91	86	93	88	84	85	81	78	64
3.00	99	94	90	95	90	87	86	83	80	65
4.00	102	98	94	97	94	90	88	86	83	66
5.00	104	100	97	99	96	93	90	87	85	67
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:120.6V I:0.3920A P:47.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6165.73x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

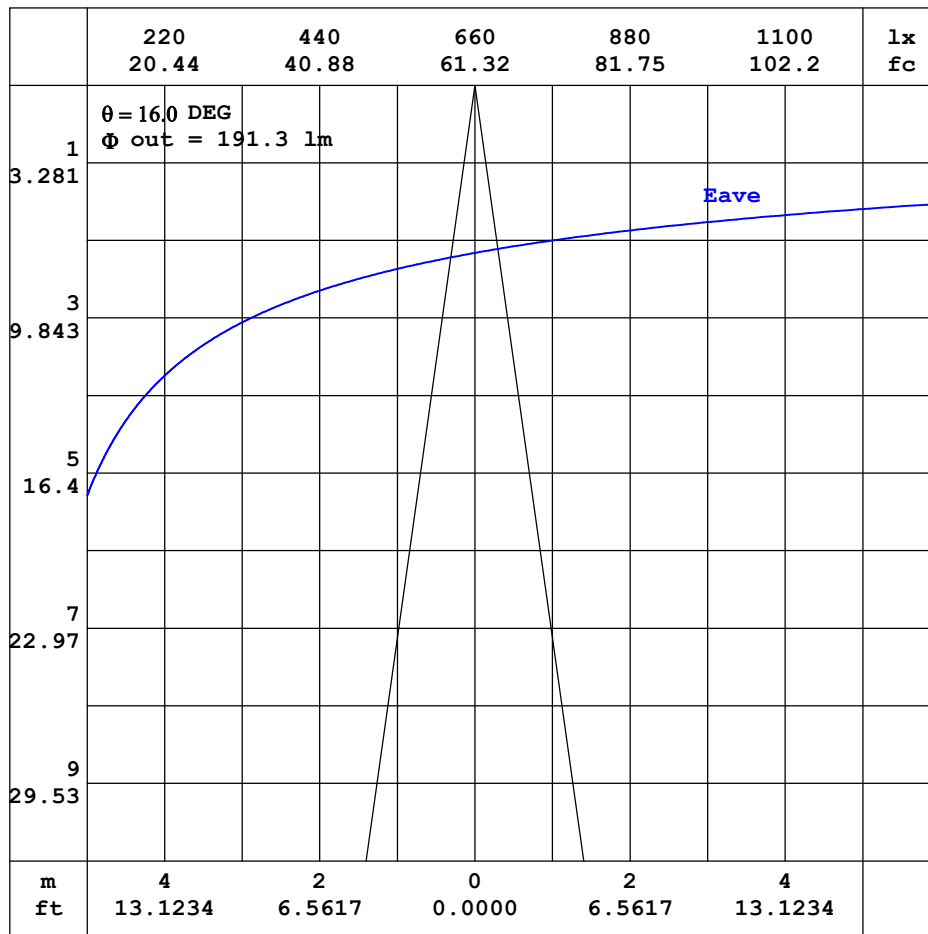


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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

AAI CURVES

Test:U:120.6V I:0.3920A P:47.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6165.73x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



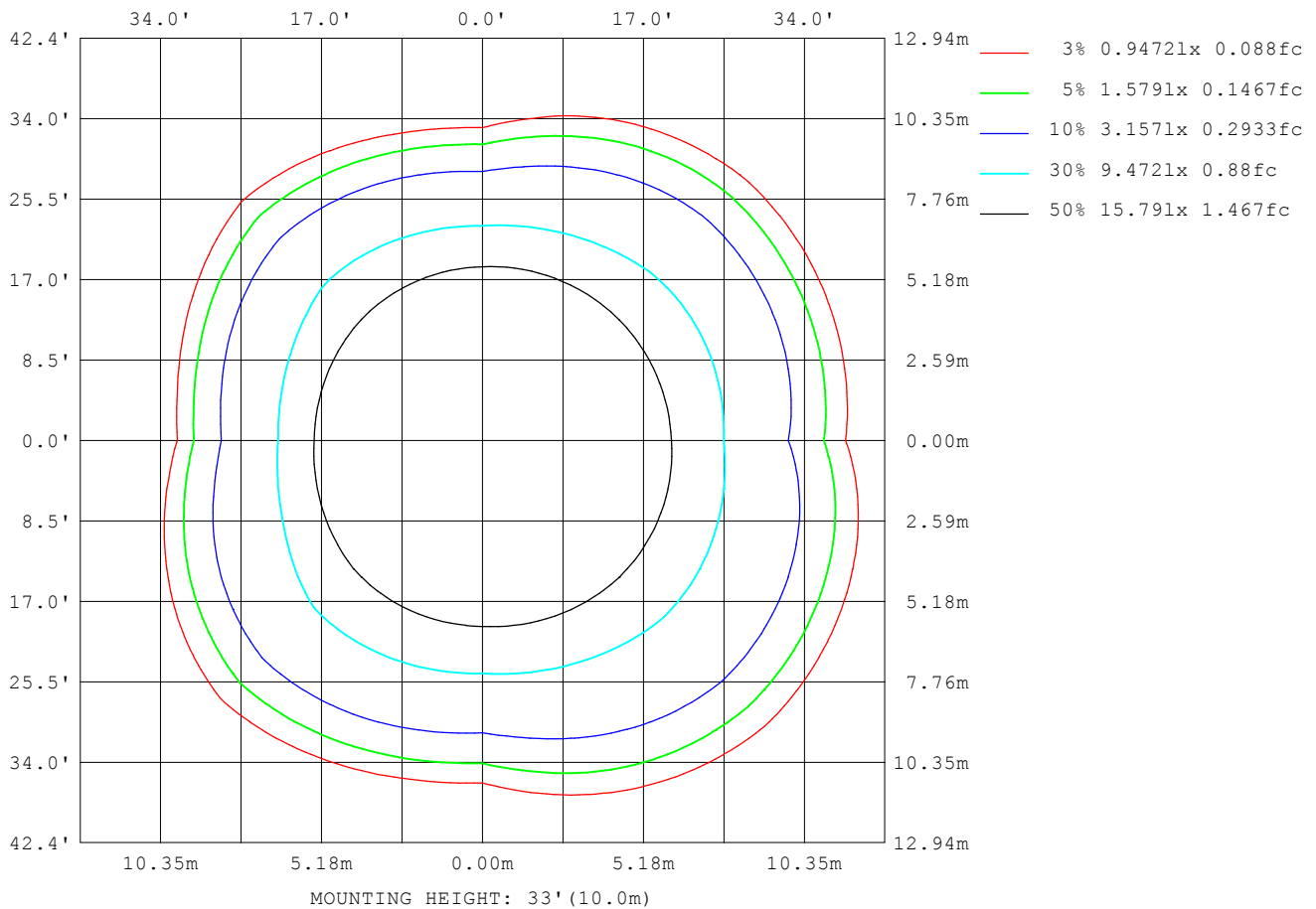
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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

ISOLUX DIAGRAM

Test:U:120.6V I:0.3920A P:47.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6165.73x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



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

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

LED Avg.L Report

Test:U:120.6V I:0.3920A P:47.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6165.73x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

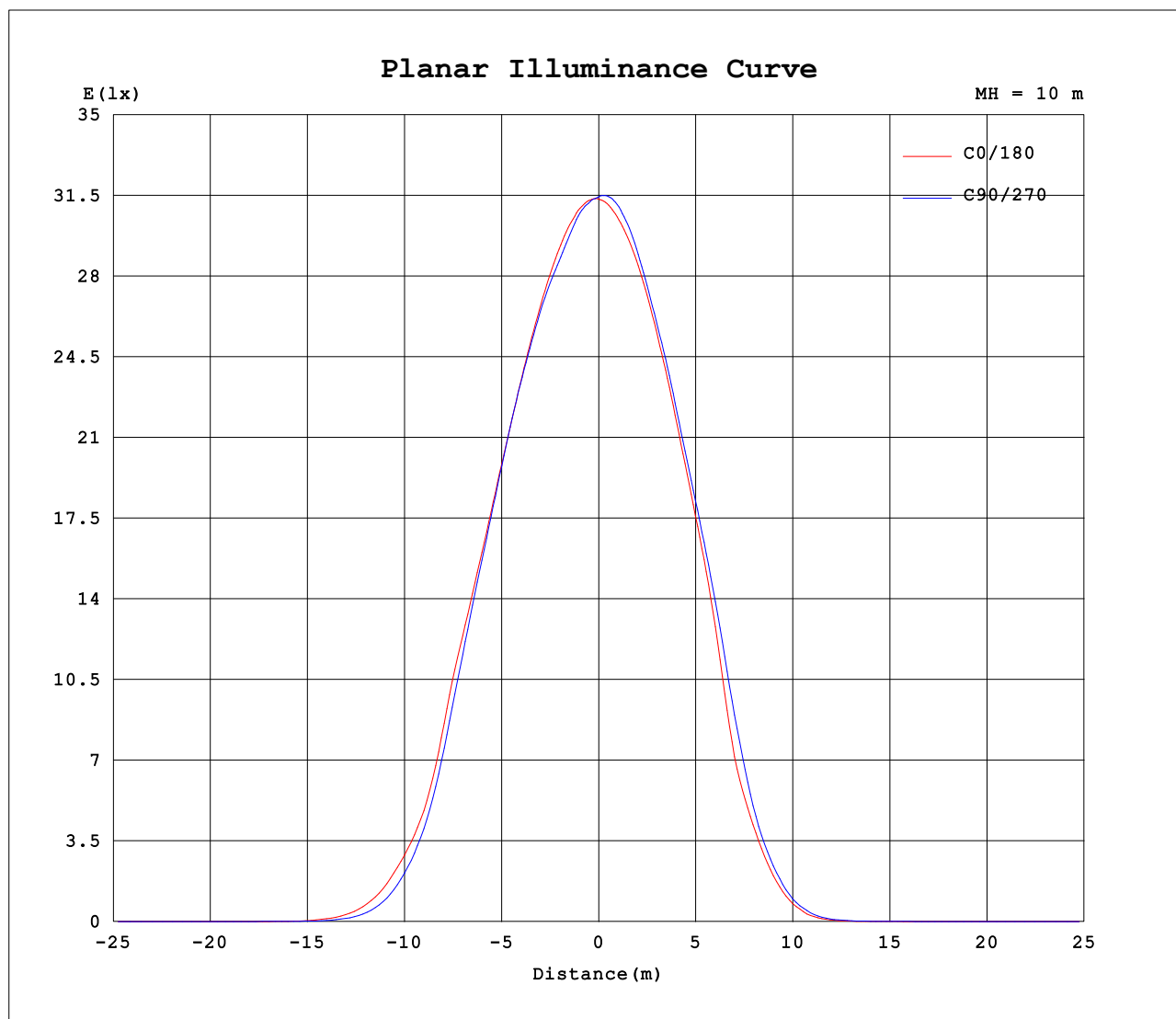
AvgL	cd/m2
L_0~180 (65) av	301
L_0~180 (75) av	355
L_0~180 (85) av	7421
L_90~270 (65) av	355
L_90~270 (75) av	366
L_90~270 (85) av	615
L_45 (65) av	380
L_45 (75) av	360
L_45 (85) av	2849

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:120.6V I:0.3920A P:47.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6165.73x1 lm																	
NAME: 4FT									TYPE:3500K 3.7						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:1.12*0.045						Shielding Angle:		

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	3134	3135	3136	3136	3137	3138	3138	3139	3140	3140	3141	3141	3142	3142	3143	3143	3144	3144	3145
5	3138	3137	3136	3135	3134	3133	3132	3131	3130	3129	3128	3127	3126	3125	3124	3123	3122	3122	3121
10	3114	3110	3107	3103	3100	3097	3093	3090	3087	3084	3081	3078	3074	3072	3069	3066	3064	3062	3060
15	3065	3057	3050	3044	3038	3033	3029	3025	3022	3019	3020	3021	3022	3024	3025	3027	3028	3028	3028
20	2976	2975	2973	2972	2971	2970	2969	2968	2967	2966	2966	2967	2968	2968	2968	2967	2966	2963	2960
25	2830	2835	2838	2842	2845	2847	2849	2850	2851	2851	2851	2851	2851	2849	2847	2844	2840	2835	2829
30	2602	2619	2633	2646	2656	2664	2670	2673	2674	2673	2666	2657	2646	2634	2620	2606	2591	2576	2561
35	2258	2291	2319	2343	2361	2375	2384	2387	2386	2381	2358	2331	2301	2269	2236	2202	2169	2138	2109
40	1506	1609	1699	1775	1838	1887	1923	1945	1954	1950	1895	1829	1756	1677	1597	1516	1439	1368	1306
45	819	948	1061	1158	1237	1300	1346	1376	1389	1385	1320	1242	1154	1059	960	862	766	677	598
50	295	379	453	515	567	608	638	658	666	664	622	572	515	454	390	327	265	208	157
55	57.0	95.3	129	158	182	201	216	226	231	231	215	195	172	147	121	94.4	69.0	45.3	24.4
60	9.05	21.0	31.6	40.8	48.6	54.9	59.9	63.5	65.7	66.4	62.5	57.4	51.4	44.7	37.6	30.4	23.3	16.6	10.4
65	6.82	7.89	8.83	9.67	10.4	11.0	11.5	11.9	12.1	12.3	12.1	11.8	11.5	11.0	10.6	10.1	9.53	9.00	8.49
70	5.25	5.37	5.49	5.61	5.72	5.83	5.94	6.04	6.14	6.23	6.36	6.47	6.58	6.68	6.77	6.84	6.89	6.93	6.95
75	4.16	4.29	4.41	4.52	4.63	4.74	4.84	4.93	5.02	5.10	5.19	5.27	5.34	5.40	5.46	5.50	5.54	5.56	5.57
80	3.60	3.71	3.82	3.92	4.01	4.09	4.16	4.22	4.28	4.32	4.35	4.36	4.37	4.37	4.37	4.36	4.36	4.34	4.33
85	60.2	51.3	43.0	35.4	28.5	22.3	16.8	11.9	7.72	4.22	2.84	2.87	2.88	2.89	2.89	2.88	2.87	2.85	3.23
90	175	168	160	153	145	137	128	119	110	100	88.4	76.2	64.0	52.1	40.6	29.6	19.3	9.99	1.72
95	271	265	258	250	241	231	219	207	194	180	160	139	118	96.7	76.1	56.2	37.5	20.3	5.05
100	333	327	319	309	299	288	275	261	245	229	205	181	156	131	107	83.9	62.6	43.3	26.5
105	397	389	379	368	355	342	327	311	294	276	249	221	194	167	140	116	92.9	72.8	55.8
110	456	445	432	418	404	388	371	353	334	314	286	257	228	200	173	148	125	105	88.2
115	497	483	468	452	435	418	400	381	361	341	312	284	255	228	202	177	156	137	121
120	513	499	484	468	452	435	418	400	381	361	334	307	280	254	230	207	187	171	157
125	536	519	502	485	467	449	431	413	394	375	350	324	299	276	254	234	217	203	193
130	543	526	508	490	472	455	437	419	402	384	361	338	316	295	277	260	246	236	229
135	532	515	499	483	467	451	436	420	405	390	370	351	332	315	300	287	277	270	266
140	513	499	485	471	458	444	432	419	407	395	379	363	349	335	324	315	308	304	303
145	503	490	477	464	453	441	430	420	410	401	388	376	365	356	348	342	338	338	339
150	484	473	463	453	444	436	428	420	413	407	398	390	383	377	372	370	369	370	374
155	468	460	452	445	439	433	427	423	418	415	409	405	401	398	397	396	398	401	406
160	455	450	445	440	437	433	430	428	426	424	422	420	419	419	420	421	424	428	433
165	450	447	444	441	439	437	436	435	435	435	435	435	436	437	440	442	446	450	455
170	453	451	449	448	447	447	446	447	447	448	449	451	452	455	457	460	464	468	472
175	464	463	462	462	461	461	461	462	462	463	464	466	468	470	472	474	477	479	482
180	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481

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:120.6V I:0.3920A P:47.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6165.73x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	3146	3147	3148	3149	3150	3151	3151	3152	3152	3150	3148	3146	3144	3142	3140	3138	3136	3134	3134
5	3121	3120	3120	3120	3120	3120	3119	3119	3118	3116	3114	3112	3110	3108	3107	3106	3105	3104	3107
10	3060	3060	3060	3061	3061	3062	3062	3063	3063	3061	3058	3056	3054	3052	3050	3049	3048	3048	3051
15	3024	3018	3012	3006	2999	2993	2986	2980	2974	2969	2965	2962	2959	2956	2954	2953	2952	2952	2955
20	2953	2945	2935	2926	2915	2905	2894	2883	2872	2861	2850	2840	2831	2822	2813	2806	2800	2794	2794
25	2821	2811	2801	2789	2777	2764	2750	2735	2720	2699	2678	2657	2636	2616	2597	2580	2564	2551	2549
30	2555	2549	2543	2535	2527	2517	2506	2492	2476	2441	2404	2366	2327	2290	2253	2220	2189	2163	2162
35	2116	2124	2133	2140	2146	2147	2142	2131	2111	2022	1926	1826	1724	1625	1529	1442	1365	1302	1330
40	1331	1364	1403	1446	1488	1527	1560	1584	1597	1509	1410	1304	1194	1083	975	874	782	705	733
45	612	637	669	706	746	784	820	850	871	810	741	665	586	505	426	350	281	221	233
50	165	179	199	222	248	274	298	320	338	311	279	243	206	167	129	93.1	60.0	31.2	38.8
55	27.8	34.2	42.8	53.1	64.4	76.0	87.4	97.8	107	98.8	89.2	78.2	66.4	54.1	41.8	29.9	18.8	9.12	11.2
60	10.2	10.8	11.9	13.5	15.4	17.5	19.6	21.6	23.4	22.2	20.6	18.8	16.9	14.8	12.8	10.7	8.72	6.91	6.57
65	8.27	8.08	7.91	7.76	7.62	7.51	7.40	7.29	7.20	7.02	6.85	6.69	6.53	6.37	6.23	6.10	5.98	5.88	5.84
70	6.86	6.76	6.64	6.51	6.37	6.23	6.08	5.94	5.80	5.73	5.67	5.61	5.56	5.52	5.48	5.43	5.40	5.36	5.28
75	5.52	5.46	5.40	5.32	5.25	5.17	5.09	5.02	4.95	4.96	4.97	4.99	5.01	5.02	5.04	5.04	5.04	5.02	4.91
80	4.33	4.33	4.32	4.32	4.32	4.33	4.34	4.35	4.37	4.44	4.52	4.59	4.66	4.72	4.77	4.81	4.83	4.82	4.70
85	3.28	3.35	3.44	3.54	3.65	3.77	3.89	4.01	4.12	4.21	4.29	4.36	4.42	4.46	4.49	4.51	4.50	4.48	4.38
90	1.55	1.63	1.72	1.81	1.90	1.98	2.06	2.12	3.98	4.09	4.18	4.24	4.28	4.31	4.31	4.29	4.25	4.20	4.15
95	0.41	0.28	0.47	0.67	0.89	1.70	5.00	8.69	12.5	11.9	11.2	10.5	9.84	9.26	8.83	8.61	8.65	9.00	11.9
100	24.7	25.4	28.3	32.9	38.8	45.5	52.8	60.1	66.9	64.5	61.5	58.2	54.6	51.1	47.8	44.9	42.8	41.5	48.0
105	56.9	61.2	68.0	76.8	87.2	98.5	110	122	133	132	130	128	125	121	118	115	112	110	115
110	89.9	94.9	103	113	125	138	152	166	179	183	186	188	189	190	190	191	190	190	194
115	125	132	142	154	168	184	199	215	230	235	239	242	244	245	246	246	246	246	250
120	163	173	185	200	217	234	252	270	287	292	296	299	301	303	303	303	303	302	306
125	202	215	230	248	267	287	308	328	347	353	358	361	364	365	365	365	365	364	368
130	241	257	275	295	317	339	362	384	405	413	419	423	426	428	429	429	429	428	432
135	280	298	318	340	363	387	411	434	456	466	474	480	485	488	490	491	491	491	494
140	319	337	358	381	405	429	454	477	500	511	521	528	535	539	543	545	546	546	547
145	356	374	395	417	441	464	488	511	533	546	556	565	573	579	584	587	589	589	589
150	390	407	427	447	469	491	512	534	554	567	578	588	597	604	610	614	616	617	616
155	420	435	452	470	488	507	525	544	561	574	585	595	604	612	618	622	625	627	624
160	445	458	471	485	500	515	530	544	558	569	579	588	596	602	608	612	615	616	614
165	464	474	484	494	505	516	526	537	547	555	562	569	574	579	583	586	588	589	587
170	478	484	491	497	504	511	518	524	530	535	539	543	546	549	551	553	554	554	552
175	485	488	492	495	498	501	504	507	510	512	513	515	516	517	518	518	518	518	517
180	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481

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:120.6V I:0.3920A P:47.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6165.73x1 lm																		
NAME: 4FT									TYPE:3500K 3.7					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:1.12*0.045					Shielding Angle:				

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	3134	3135	3135	3136	3137	3138	3139	3140	3141	3141	3142	3142	3143	3143	3144	3144	3145	3146	3147
5	3109	3113	3116	3120	3124	3128	3132	3136	3139	3141	3144	3146	3148	3150	3152	3154	3155	3158	3160
10	3055	3059	3063	3068	3073	3078	3083	3088	3090	3092	3094	3096	3098	3100	3102	3103	3105	3109	3113
15	2958	2962	2966	2970	2974	2978	2983	2987	2988	2989	2989	2990	2991	2992	2993	2994	2996	3002	3008
20	2794	2796	2798	2801	2805	2809	2814	2819	2822	2825	2828	2832	2836	2840	2845	2849	2855	2861	2868
25	2548	2550	2554	2559	2565	2572	2580	2588	2591	2595	2598	2602	2607	2611	2617	2623	2630	2640	2651
30	2166	2174	2184	2197	2212	2229	2245	2262	2266	2270	2274	2277	2281	2285	2290	2297	2304	2319	2336
35	1373	1426	1487	1554	1622	1691	1757	1816	1805	1788	1765	1740	1713	1687	1663	1644	1631	1669	1714
40	776	829	890	956	1024	1090	1152	1205	1170	1127	1078	1027	976	929	887	854	832	900	978
45	255	284	318	356	396	436	473	506	480	450	418	385	354	326	303	288	282	344	415
50	50.9	66.7	85.1	105	126	146	164	180	166	150	132	113	95.0	78.4	64.2	53.6	47.3	74.6	106
55	14.8	19.4	24.9	30.9	37.1	43.1	48.7	53.5	48.9	43.5	37.6	31.6	25.9	20.6	16.2	12.9	11.1	20.9	32.1
60	6.42	6.45	6.62	6.90	7.26	7.69	8.14	8.60	8.28	7.96	7.67	7.45	7.31	7.29	7.42	7.72	8.22	10.3	12.6
65	5.82	5.81	5.82	5.83	5.86	5.90	5.95	6.00	6.05	6.10	6.15	6.21	6.27	6.33	6.39	6.44	6.49	6.53	6.55
70	5.21	5.14	5.07	5.00	4.94	4.89	4.84	4.81	4.81	4.83	4.86	4.89	4.93	4.97	5.02	5.07	5.12	5.16	5.21
75	4.79	4.67	4.54	4.40	4.27	4.14	4.02	3.91	3.86	3.83	3.80	3.79	3.79	3.80	3.82	3.86	3.90	3.98	4.08
80	4.55	4.38	4.20	4.02	3.83	3.64	3.46	3.29	3.17	3.07	2.98	2.91	2.86	2.82	2.81	2.82	2.86	3.01	3.19
85	4.26	4.12	3.97	3.82	3.65	3.48	3.31	3.14	2.94	2.77	2.60	2.43	2.26	2.09	1.92	1.75	1.58	1.41	1.24
90	4.08	3.99	3.89	3.77	3.63	3.48	3.31	3.12	2.91	2.70	2.49	2.28	2.07	1.86	1.65	1.44	1.23	1.02	0.81
95	15.1	18.4	21.8	25.2	28.4	31.3	33.9	36.0	31.4	26.6	22.0	17.8	14.4	12.2	11.5	12.6	16.0	32.6	51.2
100	55.4	63.2	71.3	79.2	86.8	93.8	99.8	104	96.6	87.6	78.2	68.9	60.2	52.7	46.8	43.2	42.4	59.2	78.8
105	121	128	134	140	146	151	155	157	147	135	123	111	100.0	90.1	82.0	76.3	73.5	88.9	107
110	197	200	203	205	206	206	206	204	191	177	163	149	137	125	116	110	106	121	140
115	253	256	258	260	260	260	258	256	241	225	209	193	178	165	154	145	140	153	170
120	310	314	316	318	319	318	316	313	296	278	260	242	224	208	194	182	174	184	198
125	372	375	378	380	380	379	376	372	353	333	312	291	271	252	235	220	209	217	228
130	435	438	440	441	440	438	434	428	407	385	362	339	316	295	275	258	244	249	258
135	496	497	498	496	494	489	483	475	453	430	406	382	358	335	314	296	281	283	289
140	548	547	546	542	537	531	523	512	491	467	443	419	396	373	352	333	317	317	320
145	588	586	582	576	569	561	551	539	518	496	473	450	427	406	385	367	351	349	349
150	613	609	603	596	587	577	566	553	534	514	494	474	453	434	416	399	385	381	379
155	621	615	609	601	591	581	569	557	541	524	507	490	473	457	441	427	415	410	407
160	610	604	598	590	582	572	562	551	538	525	512	499	486	473	461	450	440	435	431
165	584	579	574	568	561	554	546	538	529	520	511	502	493	485	476	468	461	457	453
170	550	547	543	539	535	530	525	520	515	510	505	500	495	490	485	480	476	472	469
175	515	513	512	510	507	505	503	500	499	497	495	493	491	489	488	486	484	483	481
180	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481

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:120.6V I:0.3920A P:47.20W PF:0.9900 Freq:60.00Hz Lamp Flux:6165.73x1 lm																	
NAME: 4FT									TYPE:3500K 3.7						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:1.12*0.045						Shielding Angle:		

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	3148	3149	3150	3151	3151	3152	3152	3151	3150	3149	3147	3145	3143	3140	3137				
5	3162	3163	3165	3166	3167	3167	3167	3166	3164	3162	3159	3156	3152	3148	3143				
10	3117	3121	3125	3128	3132	3134	3136	3136	3136	3135	3133	3130	3127	3123	3119				
15	3014	3020	3027	3033	3040	3046	3052	3055	3058	3061	3063	3064	3065	3065	3065				
20	2875	2882	2889	2897	2904	2912	2919	2926	2932	2939	2945	2952	2958	2964	2970				
25	2662	2674	2686	2699	2712	2725	2737	2748	2759	2770	2780	2791	2801	2811	2821				
30	2354	2372	2391	2411	2431	2451	2470	2487	2503	2518	2533	2548	2562	2576	2589				
35	1764	1818	1875	1933	1992	2049	2104	2136	2165	2190	2212	2229	2242	2251	2257				
40	1065	1159	1255	1351	1445	1534	1614	1646	1667	1677	1676	1664	1641	1607	1562				
45	492	573	656	739	818	892	959	983	998	1003	997	982	956	920	875				
50	141	178	216	254	290	324	355	367	374	376	374	367	356	340	320				
55	44.3	56.9	69.7	82.2	94.0	105	114	115	115	113	108	102	93.6	83.4	71.2				
60	15.0	17.3	19.6	21.8	23.7	25.4	26.6	26.5	25.8	24.8	23.3	21.3	18.9	16.1	12.8				
65	6.58	6.60	6.62	6.63	6.65	6.66	6.68	6.69	6.71	6.73	6.75	6.76	6.78	6.79	6.81				
70	5.25	5.29	5.33	5.37	5.40	5.43	5.45	5.45	5.45	5.44	5.42	5.40	5.37	5.34	5.29				
75	4.17	4.27	4.36	4.45	4.54	4.61	4.67	4.68	4.67	4.64	4.60	4.54	4.47	4.38	4.28				
80	3.37	3.56	3.76	3.94	4.12	4.28	4.41	4.44	4.44	4.40	4.34	4.25	4.13	3.98	3.81				
85	12.5	16.6	20.8	25.2	29.6	33.9	38.2	41.3	44.3	47.1	49.7	52.1	54.4	56.5	58.4				
90	41.0	56.4	72.2	88.1	104	119	133	143	151	157	163	168	171	174	175				
95	71.5	93.0	115	138	160	182	203	217	228	239	248	255	261	266	269				
100	101	124	149	174	200	225	249	264	278	291	301	311	319	325	330				
105	128	151	175	201	227	253	278	296	312	327	342	355	367	378	388				
110	161	184	209	235	262	289	316	335	353	370	387	402	417	431	444				
115	189	211	235	261	287	314	340	360	379	397	415	433	450	466	482				
120	214	234	255	278	302	327	352	371	389	408	426	444	461	479	496				
125	242	259	279	300	322	346	370	388	406	425	443	461	480	499	517				
130	269	284	300	319	339	360	382	399	416	433	451	469	487	506	524				
135	297	309	323	338	355	373	392	406	421	436	451	466	482	499	515				
140	326	334	345	357	370	385	400	411	423	434	447	459	472	485	499				
145	352	357	364	373	382	393	405	414	423	433	443	454	466	478	490				
150	379	381	385	390	396	403	411	417	424	430	438	446	455	464	474				
155	405	405	406	408	411	415	419	423	426	431	435	441	447	453	460				
160	429	427	426	426	426	427	429	430	432	434	436	439	442	446	451				
165	449	447	444	443	442	441	441	440	440	441	441	442	444	446	448				
170	466	464	461	459	457	456	454	453	452	452	451	451	451	451	452				
175	479	478	476	475	473	472	471	470	469	468	467	466	466	465	465				
180	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481				

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: