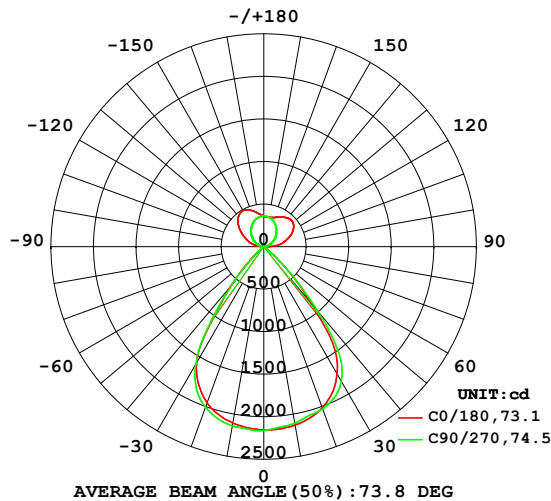


LUMINAIRE PHOTOMETRIC TEST REPORT

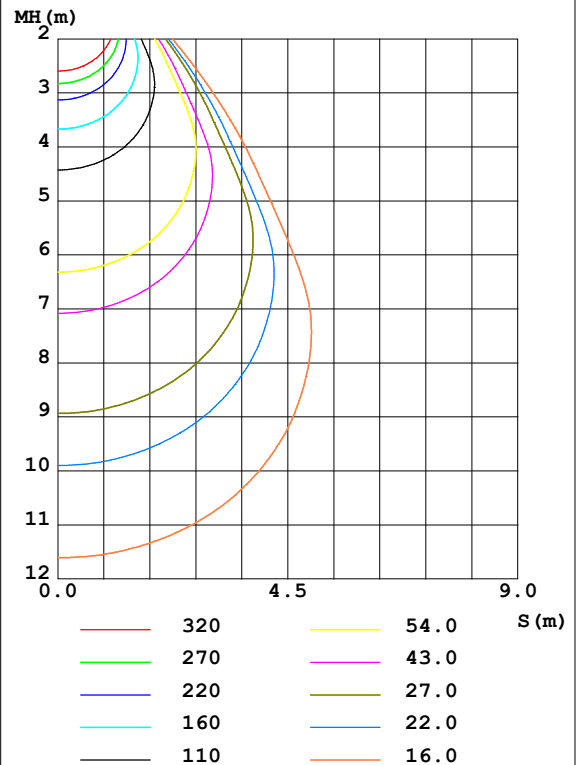
Test:U:120.9V I:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:4479.03x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.11 lm/W			
MODEL		I _{max} (cd)	2165	S/MH(C0/180)	1.10
NOMINAL POWER(W)	36W	LOR(%)	100.0	S/MH(C90/270)	1.02
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	4479.0	η UP,DN(C0-180)	16.6,35.4
NOMINAL FLUX(lm)	4479.03	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	16.9,31.1
LAMPS INSIDE	1	η up(%)	33.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	66.5	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:

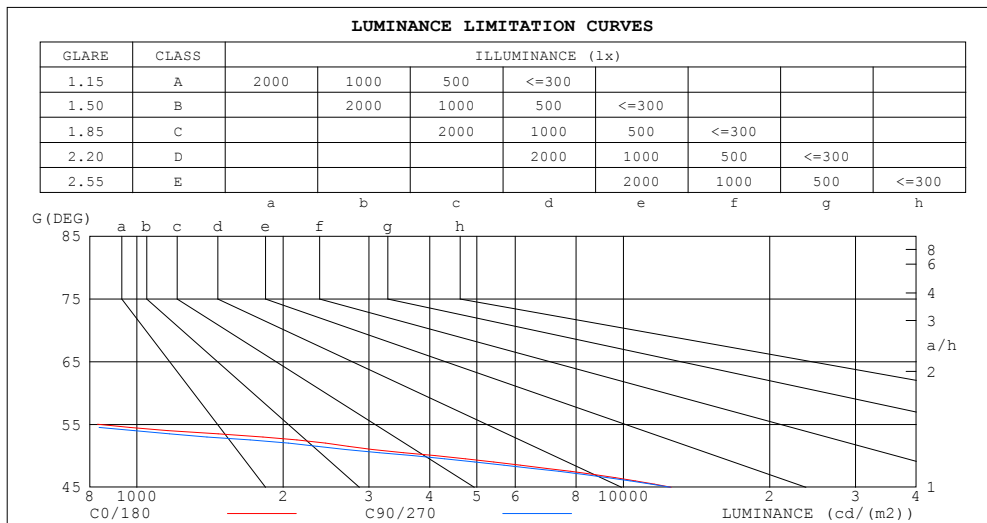
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2128	2113	2105	2100	2104	2116	2137	2126	0- 10	203.7	203.7	4.55,4.55
20	2015	1996	2029	1967	1953	1985	2007	2013	10- 20	583.5	787.2	17.6,17.6
30	1724	1797	1826	1747	1581	1639	1597	1699	20- 30	862.2	1649	36.8,36.8
40	856.2	1319	979.4	1234	598.5	936.0	563.1	1034	30- 40	850.0	2499	55.8,55.8
50	132.0	397.4	118.7	311.3	43.03	154.2	32.05	189.6	40- 50	399.5	2899	64.7,64.7
60	9.495	40.80	8.661	27.94	7.722	9.724	8.181	15.65	50- 60	61.27	2960	66.1,66.1
70	5.524	5.941	5.638	5.452	4.642	5.032	5.480	5.773	60- 70	8.223	2968	66.3,66.3
80	2.850	3.575	3.347	3.614	2.749	3.096	3.243	3.474	70- 80	4.534	2973	66.4,66.4
90	42.21	12.73	1.999	4.765	7.883	18.46	0.3751	54.52	80- 90	5.299	2978	66.5,66.5
100	213.2	153.3	20.65	95.69	93.55	112.3	31.20	166.4	90-100	70.62	3049	68.1,68.1
110	314.5	233.7	69.04	173.7	196.1	191.9	80.69	246.0	100-110	157.8	3207	71.6,71.6
120	401.8	289.3	122.1	265.3	289.4	279.6	133.0	291.1	110-120	220.8	3427	76.5,76.5
130	447.6	319.4	178.5	349.2	389.1	353.1	186.4	312.8	120-130	257.1	3685	82.3,82.3
140	440.0	329.0	233.2	403.9	464.0	397.6	239.2	320.0	130-140	258.6	3943	88,88
150	401.8	332.6	283.7	421.1	490.6	409.5	287.1	327.2	140-150	226.4	4170	93.1,93.1
160	367.4	337.5	325.1	409.8	457.4	398.2	326.5	336.8	150-160	170.9	4340	96.9,96.9
170	352.3	346.2	352.0	385.0	400.2	377.3	352.5	347.3	160-170	104.0	4444	99.2,99.2
180	357.3	357.3	357.3	357.3	357.3	357.3	357.3	357.3	170-180	34.59	4479	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:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:4479.03x1 lm		
NAME: 4FT	TYPE:3000K 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	439	573
80	328	385
75	315	344
70	323	330
65	340	327
60	380	346
55	830	715
50	4107	3694
45	12551	12503

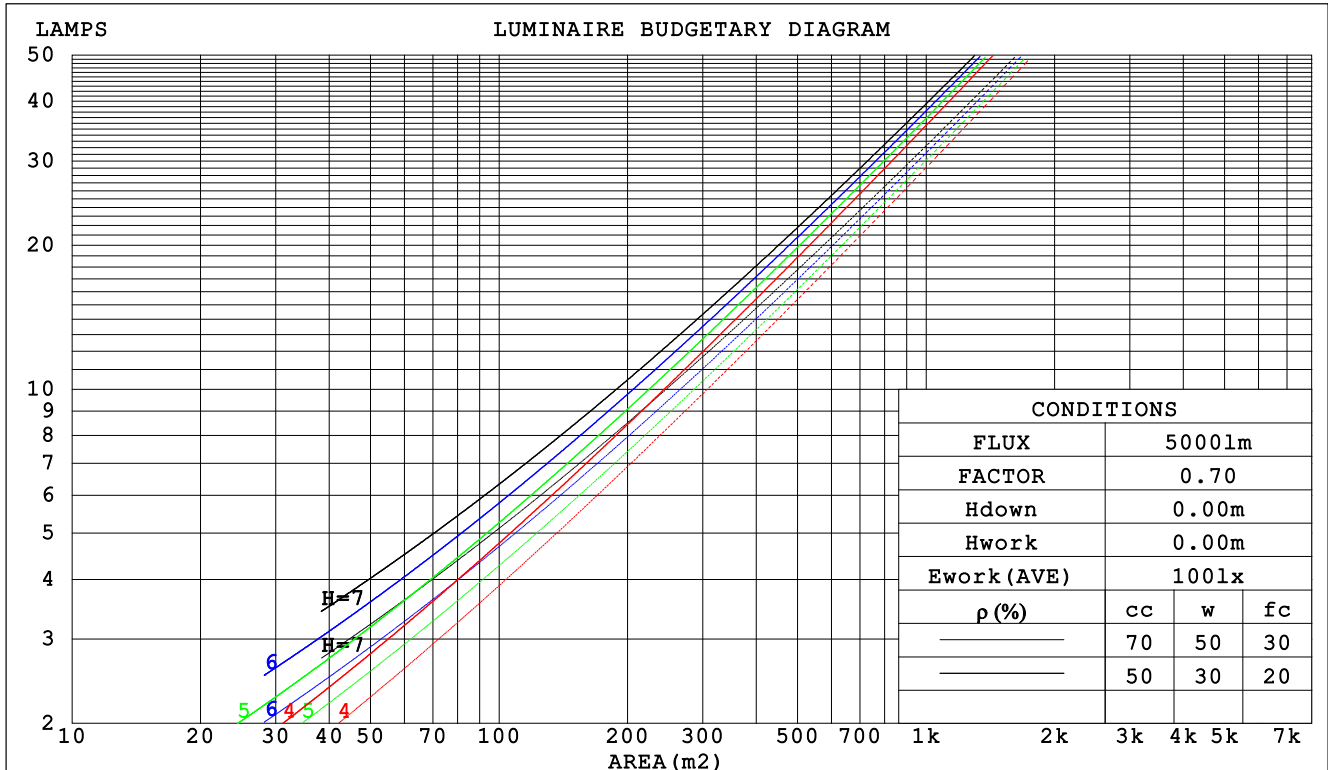
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:4479.03x1 lm		
NAME: 4FT	TYPE:3000K 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	1.11	1.11	1.11	1.05	1.05	1.05	.92	.92	.92	.81	.81	.81	.71	.71	.71	.66
1.0	1.01	.98	.95	.95	.93	.90	.85	.83	.81	.76	.74	.73	.67	.66	.65	.61
2.0	.91	.87	.82	.87	.83	.79	.78	.75	.72	.70	.68	.66	.63	.61	.60	.56
3.0	.83	.77	.72	.79	.74	.70	.72	.68	.64	.65	.62	.59	.58	.56	.54	.51
4.0	.76	.69	.64	.72	.67	.62	.66	.61	.58	.60	.56	.54	.54	.52	.50	.47
5.0	.69	.63	.58	.66	.60	.56	.61	.56	.52	.55	.52	.49	.51	.48	.45	.43
6.0	.64	.57	.52	.61	.55	.50	.56	.51	.47	.51	.47	.44	.47	.44	.42	.39
7.0	.59	.52	.47	.56	.50	.46	.52	.47	.43	.48	.44	.41	.44	.41	.38	.36
8.0	.54	.47	.43	.52	.46	.42	.48	.43	.39	.45	.40	.37	.41	.38	.35	.33
9.0	.50	.44	.39	.48	.42	.38	.45	.40	.36	.42	.37	.34	.38	.35	.33	.31
10.0	.47	.40	.36	.45	.39	.35	.42	.37	.33	.39	.35	.32	.36	.33	.30	.29



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:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:4479.03x1 lm					
NAME: 4FT			TYPE:3000K 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	.199	.114	.036	.168	.096	.031	.139	.080	.026	.112	.065	.021		
2.0	.205	.112	.034	.190	.105	.032	.161	.090	.028	.135	.076	.024	.111	.063	.020		
3.0	.194	.103	.031	.180	.096	.029	.154	.084	.025	.130	.071	.022	.108	.060	.019		
4.0	.183	.095	.028	.171	.089	.026	.147	.078	.023	.125	.067	.020	.105	.057	.017		
5.0	.173	.088	.026	.162	.083	.024	.140	.073	.022	.120	.063	.019	.101	.054	.016		
6.0	.164	.082	.024	.154	.078	.022	.134	.069	.020	.115	.060	.018	.098	.052	.015		
7.0	.155	.077	.022	.146	.073	.021	.128	.064	.019	.110	.057	.016	.094	.049	.014		
8.0	.148	.072	.020	.139	.068	.019	.122	.061	.017	.106	.054	.015	.091	.047	.014		
9.0	.140	.068	.019	.132	.064	.018	.116	.058	.016	.101	.051	.015	.087	.044	.013		
10.0	.134	.064	.018	.126	.061	.017	.111	.054	.015	.097	.048	.014	.084	.042	.012		

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	.446	.446	.446	.381	.381	.381	.260	.260	.260	.149	.149	.149	.048	.048	.048	
1.0	.431	.414	.399	.369	.356	.344	.252	.245	.238	.145	.142	.138	.047	.046	.045	
2.0	.420	.391	.368	.360	.337	.318	.246	.233	.222	.142	.136	.130	.046	.044	.042	
3.0	.410	.374	.346	.352	.323	.300	.242	.224	.210	.139	.131	.124	.045	.043	.041	
4.0	.402	.361	.330	.345	.312	.287	.237	.217	.202	.137	.127	.119	.044	.041	.039	
5.0	.395	.351	.318	.339	.304	.277	.234	.212	.196	.135	.125	.116	.044	.041	.038	
6.0	.389	.343	.310	.334	.297	.270	.231	.208	.191	.134	.122	.113	.043	.040	.037	
7.0	.383	.336	.303	.330	.291	.264	.228	.204	.187	.132	.120	.111	.043	.039	.037	
8.0	.378	.331	.298	.325	.287	.260	.225	.201	.184	.131	.119	.110	.042	.039	.036	
9.0	.373	.326	.294	.321	.283	.257	.223	.199	.182	.130	.117	.109	.042	.039	.036	
10.0	.368	.322	.291	.318	.280	.254	.220	.197	.180	.129	.116	.108	.042	.038	.036	

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:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:4479.03x1 lm										
NAME: 4FT					TYPE:3000K 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	17.7	18.5	18.3	19.2	19.9	17.4	18.3	18.1	18.9	19.7
3H	17.4	18.1	18.1	18.8	19.6	17.1	17.9	17.8	18.6	19.4
4H	17.2	18.0	17.9	18.7	19.5	17.0	17.7	17.7	18.4	19.3
6H	17.1	17.7	17.8	18.5	19.3	16.9	17.5	17.6	18.2	19.1
8H	17.0	17.6	17.8	18.4	19.3	16.8	17.4	17.5	18.1	19.0
12H	16.9	17.5	17.7	18.3	19.2	16.7	17.3	17.5	18.1	18.9
4H 2H	17.2	18.0	18.0	18.7	19.5	17.0	17.8	17.7	18.5	19.3
3H	16.9	17.6	17.7	18.3	19.2	16.7	17.3	17.5	18.1	19.0
4H	16.8	17.3	17.6	18.1	19.0	16.6	17.1	17.4	17.9	18.8
6H	16.6	17.1	17.4	17.9	18.9	16.4	16.9	17.2	17.7	18.7
8H	16.5	17.0	17.4	17.8	18.8	16.3	16.8	17.2	17.6	18.6
12H	16.5	16.9	17.3	17.7	18.7	16.3	16.6	17.1	17.5	18.5
8H 4H	16.5	17.0	17.4	17.8	18.8	16.3	16.8	17.2	17.6	18.6
6H	16.4	16.7	17.2	17.6	18.6	16.2	16.5	17.0	17.4	18.4
8H	16.3	16.6	17.2	17.5	18.5	16.1	16.4	17.0	17.2	18.3
12H	16.2	16.5	17.1	17.4	18.4	16.0	16.3	16.9	17.1	18.2
12H 4H	16.5	16.9	17.3	17.7	18.7	16.2	16.6	17.1	17.5	18.5
6H	16.3	16.6	17.2	17.5	18.5	16.1	16.4	17.0	17.2	18.3
8H	16.2	16.5	17.1	17.4	18.4	16.0	16.3	16.9	17.1	18.2
Variations with the observer position at spacings:										
S = 1.0H	+ 3.1 / -15.3					+ 2.7 / -15.6				
1.5H	+ 3.1 / -11.1					+ 3.5 / -11.7				
2.0H	+ 6.4 / -14.9					+ 6.2 / -13.6				

CIE Pub.117 Corrected 4479 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.2)

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:120.9V I:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:4479.03x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

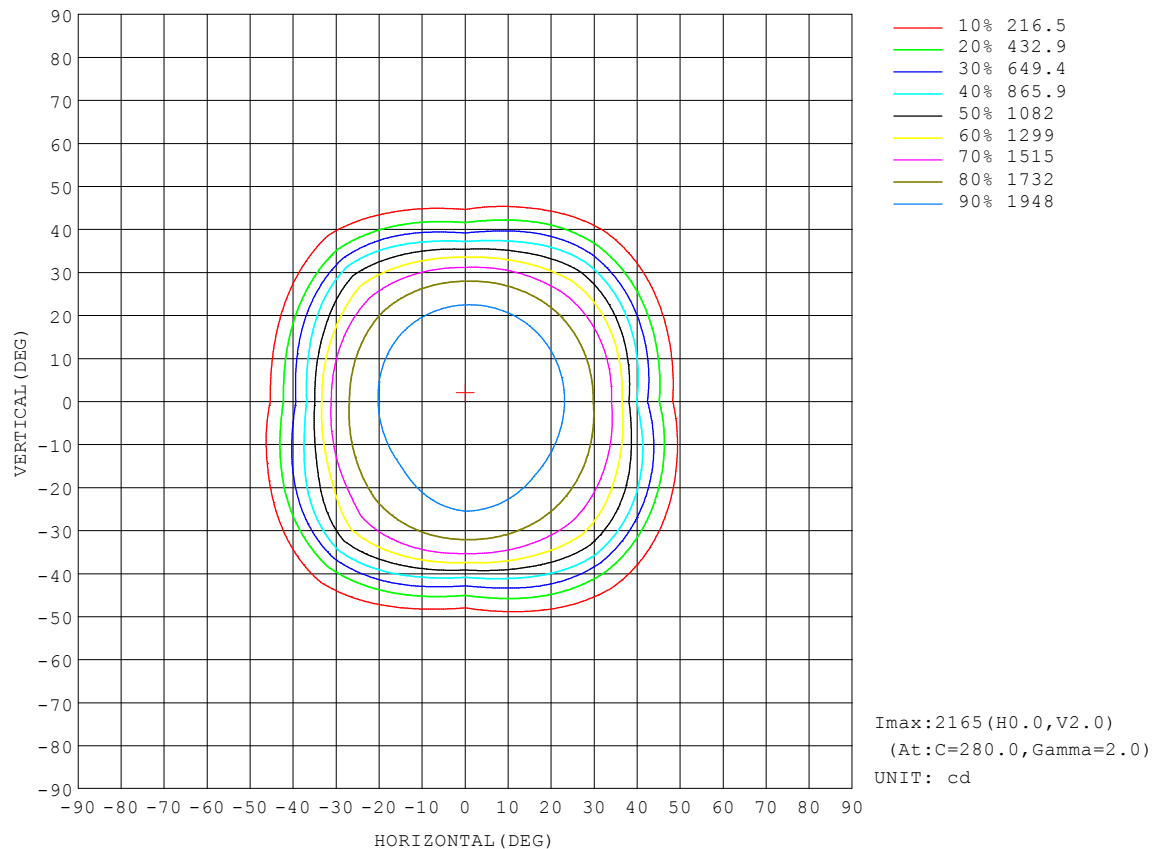
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	55	51	62	55	50	59	53	49	43
0.80	73	64	59	70	63	58	66	60	56	49
1.00	79	70	65	76	69	64	71	66	61	53
1.25	84	76	71	81	74	69	75	70	66	56
1.50	88	81	75	85	78	73	78	73	69	58
2.00	93	86	81	89	83	79	81	77	74	61
2.50	96	90	85	91	86	82	83	79	76	61
3.00	98	93	88	93	89	85	85	81	79	62
4.00	101	97	93	96	92	89	87	84	82	64
5.00	103	99	96	98	95	92	88	85	83	64
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:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:4479.03x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

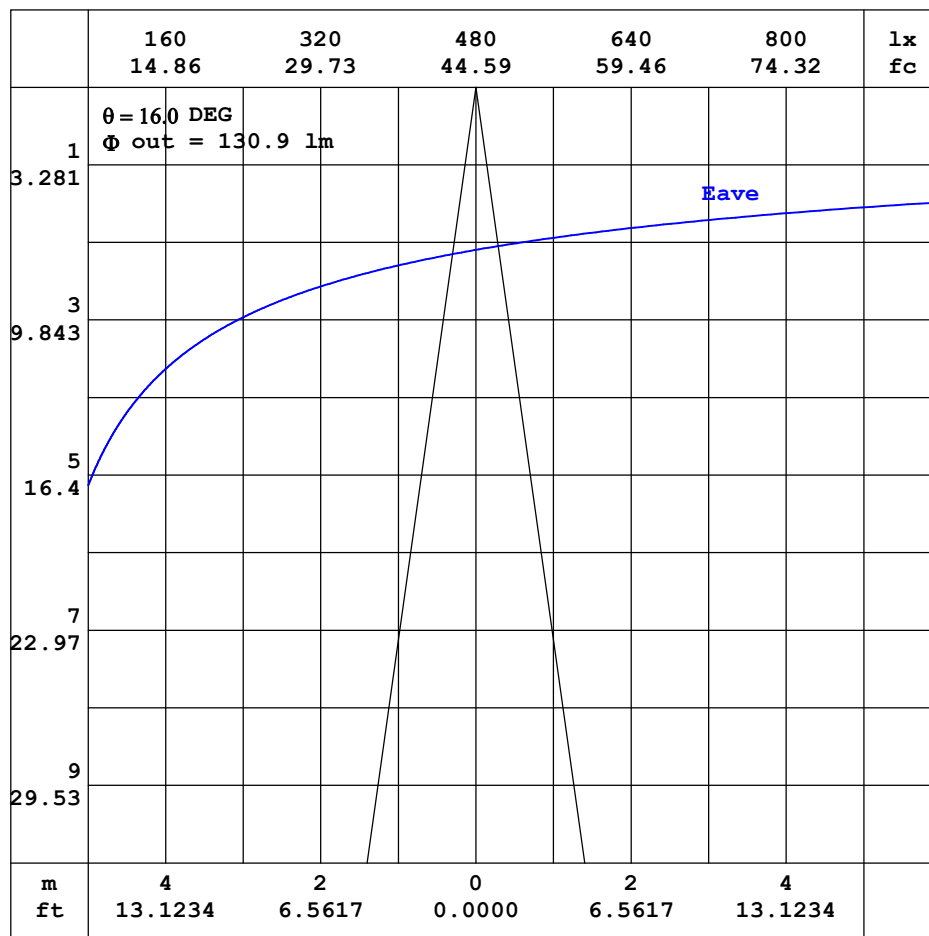


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.9V I:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:4479.03x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



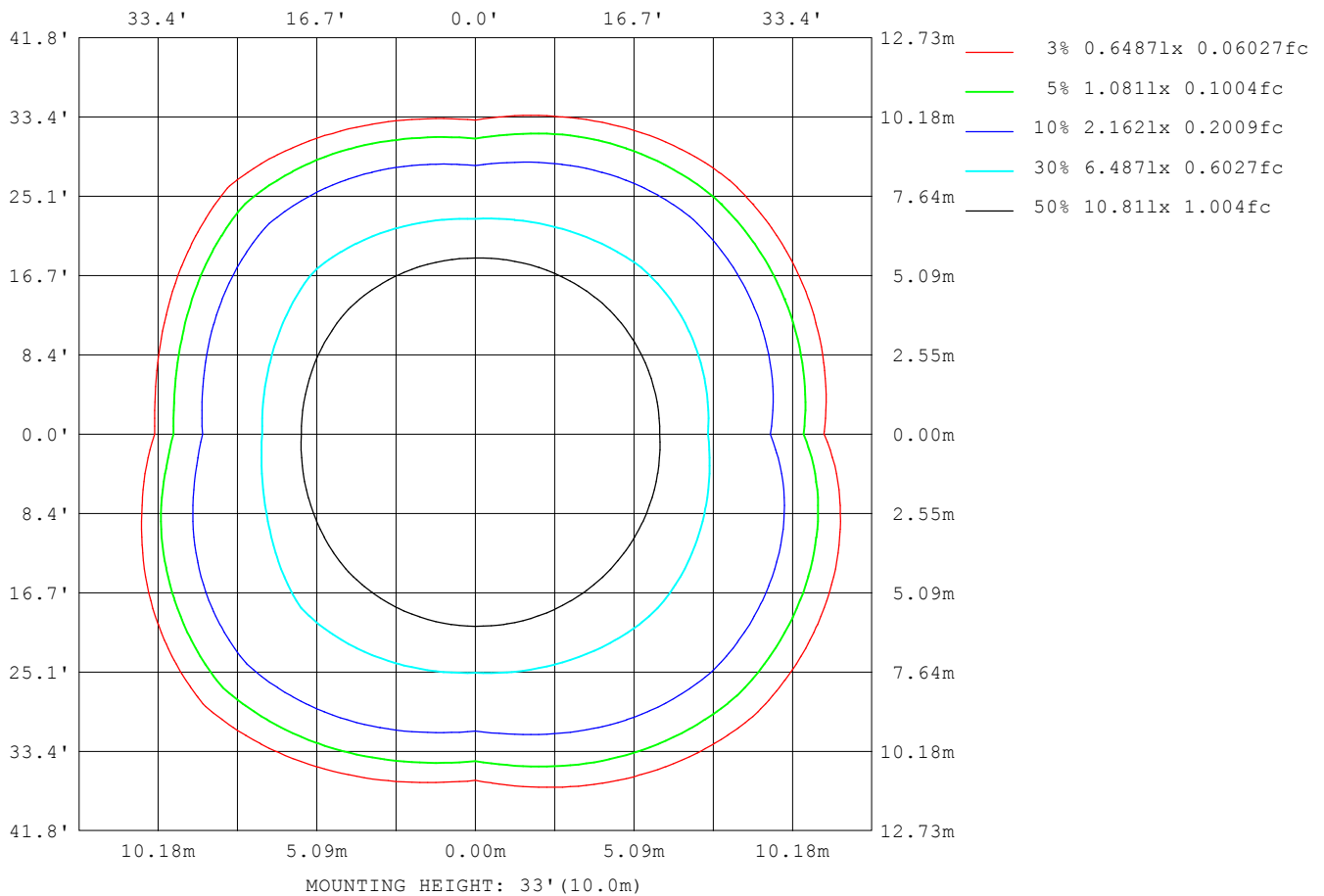
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.9V I:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:4479.03x1 lm		
NAME: 4FT	TYPE:3000K 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:120.9V I:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:4479.03x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

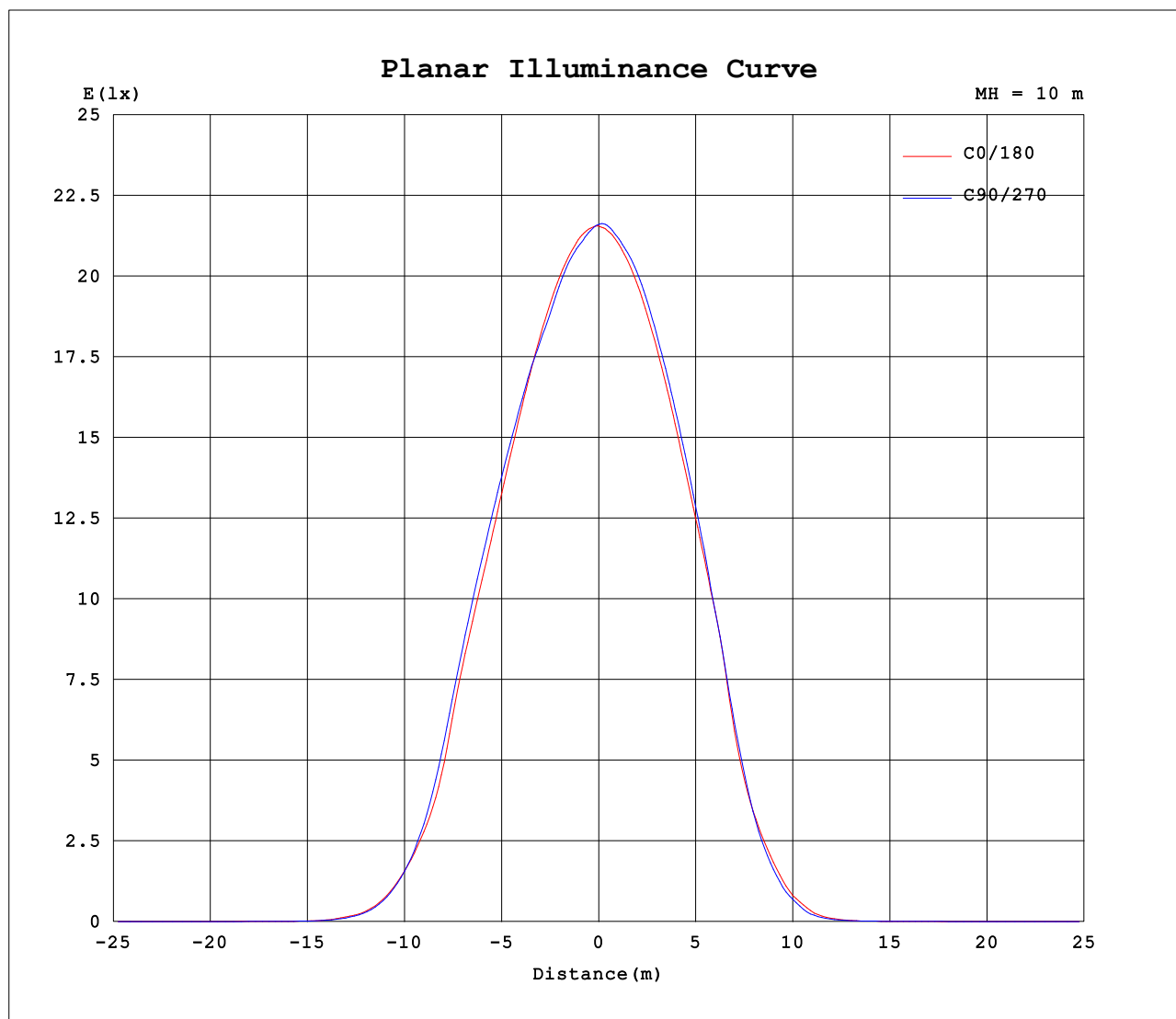
AvgL	cd/m2
L_0~180 (65) av	313
L_0~180 (75) av	299
L_0~180 (85) av	468
L_90~270 (65) av	322
L_90~270 (75) av	338
L_90~270 (85) av	567
L_45 (65) av	343
L_45 (75) av	338
L_45 (85) av	651

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:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:4479.03x1 lm																		
NAME: 4FT									TYPE:3000K 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	2155	2156	2156	2157	2157	2158	2158	2158	2159	2159	2159	2160	2160	2160	2160	2160	2161	2161	2161
5	2151	2149	2147	2145	2143	2142	2140	2139	2137	2136	2135	2134	2133	2132	2132	2131	2131	2130	2130
10	2128	2126	2124	2122	2120	2119	2117	2115	2114	2113	2112	2111	2110	2109	2108	2107	2107	2106	2105
15	2087	2084	2080	2077	2075	2072	2069	2067	2065	2063	2062	2061	2060	2059	2058	2057	2057	2056	2056
20	2015	2010	2006	2003	2000	1998	1996	1996	1995	1996	2000	2004	2008	2013	2017	2021	2025	2027	2029
25	1901	1902	1904	1906	1908	1910	1912	1915	1918	1921	1927	1932	1938	1943	1948	1952	1955	1957	1958
30	1724	1734	1744	1753	1762	1770	1778	1785	1791	1797	1804	1810	1815	1819	1823	1825	1826	1827	1826
35	1447	1474	1498	1520	1539	1556	1570	1582	1592	1599	1598	1596	1592	1587	1580	1572	1564	1556	1548
40	856	947	1028	1100	1161	1213	1254	1286	1307	1319	1296	1264	1226	1184	1140	1096	1053	1013	979
45	444	542	629	705	768	820	861	890	907	913	875	828	774	716	655	595	538	486	442
50	132	188	238	281	317	347	369	385	395	397	375	347	315	280	245	209	176	145	119
55	23.8	49.6	72.4	92.1	109	122	133	140	145	146	136	123	109	93.7	77.6	61.6	46.4	32.5	20.5
60	9.50	16.1	21.9	27.0	31.2	34.7	37.4	39.3	40.5	40.8	38.3	35.1	31.5	27.5	23.4	19.3	15.4	11.8	8.66
65	7.18	7.52	7.80	8.05	8.26	8.43	8.56	8.64	8.69	8.69	8.56	8.40	8.21	8.00	7.78	7.55	7.33	7.11	6.91
70	5.52	5.61	5.68	5.74	5.80	5.84	5.88	5.91	5.93	5.94	5.93	5.91	5.88	5.85	5.81	5.77	5.72	5.68	5.64
75	4.08	4.18	4.28	4.36	4.44	4.50	4.56	4.60	4.64	4.66	4.66	4.65	4.63	4.61	4.58	4.55	4.52	4.48	4.45
80	2.85	2.98	3.09	3.20	3.29	3.37	3.44	3.50	3.54	3.58	3.57	3.56	3.53	3.51	3.47	3.44	3.41	3.37	3.35
85	1.91	2.07	2.21	2.34	2.45	2.55	2.63	2.70	2.76	2.80	2.78	2.76	2.72	2.68	2.64	2.60	2.56	2.52	2.50
90	42.2	38.0	34.0	30.3	26.8	23.5	20.5	17.7	15.1	12.7	10.7	8.91	7.33	5.96	4.79	3.82	3.03	2.43	2.00
95	137	136	134	132	128	124	120	114	108	101	89.7	77.9	65.9	54.0	42.3	31.3	21.1	12.0	4.36
100	213	210	206	201	196	189	181	173	164	153	137	120	103	86.6	70.6	55.6	42.0	30.3	20.6
105	262	258	254	248	242	234	225	216	205	194	175	156	137	118	99.7	82.7	67.4	54.2	43.5
110	314	310	304	297	289	280	270	259	247	234	213	192	171	150	130	111	94.8	80.5	69.0
115	362	354	347	338	328	317	306	293	280	265	243	221	199	177	156	137	121	106	95.3
120	402	392	381	370	359	346	333	319	304	289	267	244	222	200	180	161	145	132	122
125	431	419	407	394	381	367	353	338	323	308	286	264	242	221	202	185	170	159	150
130	448	434	420	406	392	378	364	349	334	319	298	278	258	239	222	207	194	185	179
135	450	436	422	408	394	380	367	353	339	326	307	289	271	255	240	228	218	210	206
140	440	427	414	401	389	376	364	352	341	329	313	298	283	270	258	248	240	235	233
145	424	412	401	390	380	370	360	350	340	331	318	306	295	284	275	268	263	260	259
150	402	393	385	376	369	361	353	346	339	333	323	314	306	298	292	287	284	283	284
155	382	375	370	364	358	353	348	344	339	335	328	322	317	312	309	306	304	304	306
160	367	363	359	356	352	349	346	343	340	338	334	330	328	325	323	322	322	323	325
165	357	355	352	350	348	347	345	344	343	342	340	339	337	337	336	337	337	339	341
170	352	351	350	349	348	347	347	347	346	346	346	346	346	346	347	348	349	350	352
175	353	353	352	352	352	352	351	352	352	352	352	353	353	354	355	356	357	358	359
180	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357

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:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:4479.03x1 lm																		
NAME: 4FT									TYPE:3000K 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	2161	2161	2161	2160	2160	2160	2160	2160	2159	2159	2158	2158	2157	2157	2156	2156	2156	2155	2156
5	2130	2130	2130	2130	2130	2130	2131	2131	2131	2132	2132	2133	2133	2134	2135	2136	2137	2138	2140
10	2105	2104	2103	2102	2102	2101	2101	2100	2100	2100	2100	2100	2101	2101	2102	2102	2103	2104	2105
15	2055	2055	2054	2054	2053	2053	2052	2052	2051	2050	2049	2048	2048	2047	2047	2046	2046	2047	2049
20	2024	2019	2012	2005	1997	1990	1982	1975	1967	1964	1960	1958	1955	1954	1953	1952	1953	1953	1956
25	1953	1946	1939	1931	1921	1912	1901	1891	1880	1870	1859	1849	1840	1831	1823	1816	1810	1805	1806
30	1822	1817	1810	1803	1794	1784	1773	1761	1747	1728	1707	1686	1666	1646	1627	1610	1594	1581	1582
35	1554	1559	1564	1567	1568	1566	1561	1551	1536	1486	1431	1374	1316	1259	1205	1155	1111	1074	1090
40	1005	1037	1071	1107	1142	1174	1202	1222	1234	1173	1104	1029	950	871	794	721	655	599	619
45	471	508	550	595	641	685	725	758	783	736	680	618	551	483	414	348	286	232	237
50	134	154	177	202	227	252	275	296	311	289	262	232	199	165	132	99.4	69.5	43.0	47.9
55	26.6	34.8	44.6	55.3	66.5	77.5	88.0	97.4	105	97.6	88.5	77.9	66.5	54.5	42.4	30.7	19.8	10.0	11.4
60	9.93	11.7	13.9	16.3	18.8	21.4	23.9	26.1	27.9	26.5	24.7	22.5	20.2	17.6	15.0	12.5	10.00	7.72	7.32
65	6.87	6.85	6.85	6.85	6.87	6.89	6.90	6.92	6.92	6.83	6.73	6.63	6.52	6.41	6.30	6.20	6.11	6.03	6.01
70	5.63	5.61	5.60	5.58	5.57	5.55	5.52	5.49	5.45	5.36	5.26	5.16	5.06	4.96	4.87	4.78	4.71	4.64	4.65
75	4.45	4.45	4.45	4.44	4.44	4.43	4.42	4.40	4.37	4.30	4.21	4.12	4.04	3.95	3.86	3.78	3.71	3.65	3.65
80	3.38	3.42	3.46	3.50	3.54	3.57	3.60	3.61	3.61	3.53	3.44	3.34	3.23	3.12	3.02	2.92	2.83	2.75	2.75
85	2.57	2.65	2.74	2.82	2.91	2.98	3.05	3.11	3.15	3.06	2.96	2.85	2.73	2.61	2.49	2.37	2.27	2.17	2.18
90	2.00	2.01	2.07	2.34	2.71	3.15	3.66	4.20	4.77	4.96	5.18	5.41	5.69	6.00	6.37	6.80	7.30	7.88	9.35
95	5.17	7.40	10.8	15.1	20.1	25.6	31.2	36.8	42.2	42.2	41.8	41.1	40.2	39.2	38.2	37.4	36.8	36.5	40.5
100	23.9	29.4	36.7	45.3	54.9	65.2	75.7	85.9	95.7	97.5	98.4	98.7	98.4	97.8	96.8	95.7	94.6	93.6	96.8
105	47.3	53.7	62.2	72.4	83.9	96.2	109	121	134	138	142	145	147	149	150	151	152	152	154
110	73.8	81.4	91.4	103	116	131	145	160	174	179	184	188	191	193	194	195	196	196	198
115	102	111	123	137	153	169	186	203	218	225	230	233	236	239	240	241	241	241	243
120	130	142	157	173	191	210	229	247	265	272	278	282	286	288	289	290	290	289	292
125	161	174	191	209	229	250	270	291	311	319	326	331	335	338	340	341	341	340	342
130	190	205	223	242	263	285	307	329	349	359	367	374	380	384	387	389	389	389	390
135	219	234	252	272	294	316	338	360	381	392	402	410	417	423	427	430	432	432	431
140	246	261	279	299	319	341	362	384	404	416	427	437	445	452	457	461	463	464	462
145	271	286	302	320	339	359	378	398	417	430	442	452	461	469	476	480	483	485	482
150	294	307	321	337	353	370	388	405	421	434	445	456	465	473	480	485	489	491	487
155	315	325	337	350	363	377	391	405	418	429	439	449	457	464	470	475	478	480	476
160	332	340	349	359	369	379	389	400	410	418	426	433	440	445	450	454	456	457	454
165	346	351	357	364	371	378	385	391	398	404	409	414	418	422	425	427	428	429	427
170	355	359	362	366	370	374	378	381	385	388	391	393	395	397	398	399	400	400	399
175	360	362	364	365	367	368	370	371	373	374	374	375	376	376	376	377	377	376	376
180	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357

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:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:4479.03x1 lm																		
NAME: 4FT									TYPE:3000K 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	2156	2156	2157	2157	2157	2158	2158	2159	2159	2160	2160	2160	2160	2160	2160	2161	2161	2161	2161
5	2141	2143	2145	2147	2149	2150	2152	2153	2154	2154	2154	2154	2154	2154	2154	2153	2153	2153	2153
10	2106	2107	2109	2110	2111	2113	2115	2116	2119	2122	2124	2127	2129	2131	2133	2135	2137	2136	2135
15	2051	2054	2056	2059	2062	2065	2068	2072	2075	2078	2080	2083	2086	2088	2090	2092	2093	2093	2093
20	1958	1962	1965	1969	1973	1977	1981	1985	1988	1991	1994	1997	1999	2001	2004	2005	2007	2008	2009
25	1808	1811	1815	1820	1825	1830	1836	1842	1845	1847	1850	1852	1855	1857	1859	1862	1864	1867	1870
30	1586	1592	1599	1607	1615	1624	1632	1639	1635	1630	1624	1618	1612	1607	1602	1599	1597	1605	1615
35	1113	1142	1176	1211	1247	1282	1314	1342	1323	1300	1273	1244	1214	1186	1160	1137	1120	1142	1170
40	649	686	728	774	819	863	903	936	901	860	814	766	717	670	628	591	563	601	647
45	250	269	293	319	347	374	399	421	399	372	344	314	285	257	232	212	197	225	259
50	56.5	68.2	82.0	97.2	113	128	142	154	143	129	114	98.2	82.3	67.0	53.1	41.2	32.1	44.8	60.3
55	14.0	17.8	22.3	27.3	32.5	37.7	42.5	46.7	43.3	39.2	34.7	29.9	25.1	20.6	16.4	12.9	10.3	15.1	20.7
60	7.15	7.19	7.40	7.74	8.18	8.68	9.21	9.72	9.50	9.25	8.98	8.73	8.50	8.31	8.19	8.14	8.18	8.98	9.86
65	6.01	6.01	6.03	6.06	6.09	6.13	6.18	6.23	6.28	6.33	6.38	6.43	6.49	6.55	6.60	6.66	6.72	6.78	6.84
70	4.66	4.69	4.73	4.78	4.84	4.90	4.96	5.03	5.08	5.13	5.19	5.24	5.29	5.34	5.39	5.43	5.48	5.53	5.57
75	3.67	3.69	3.72	3.76	3.80	3.85	3.90	3.95	3.99	4.03	4.07	4.11	4.15	4.18	4.22	4.26	4.29	4.33	4.37
80	2.77	2.80	2.84	2.88	2.93	2.99	3.04	3.10	3.12	3.14	3.15	3.17	3.18	3.20	3.21	3.23	3.24	3.28	3.32
85	2.21	2.25	2.30	2.36	2.42	2.48	2.54	2.59	2.58	2.57	2.55	2.53	2.51	2.49	2.47	2.46	2.45	2.49	2.54
90	10.9	12.4	13.8	15.1	16.3	17.3	18.0	18.5	16.0	13.4	10.6	7.96	5.49	3.36	1.70	0.66	0.38	5.36	11.0
95	44.9	49.3	53.7	57.9	61.6	64.8	67.2	68.6	61.9	54.5	46.6	38.7	31.1	24.2	18.3	13.7	10.9	19.8	30.4
100	100	103	106	109	111	112	113	112	102	91.8	80.7	69.8	59.3	49.8	41.7	35.3	31.2	41.1	53.3
105	156	157	158	158	158	157	154	151	139	126	113	99.8	87.6	76.6	67.3	60.1	55.5	66.5	80.2
110	200	202	202	202	201	199	196	192	178	163	148	133	119	106	95.0	86.4	80.7	92.2	107
115	246	247	248	248	247	244	241	236	220	203	186	169	153	138	125	114	107	117	131
120	294	295	295	295	293	290	286	280	262	243	224	205	187	170	155	142	133	142	154
125	343	343	342	341	337	333	327	319	301	280	260	239	220	201	184	170	160	166	176
130	390	388	386	382	377	370	363	353	333	312	291	270	249	230	213	198	186	191	199
135	430	427	422	416	409	401	391	380	360	339	318	297	277	258	240	225	213	216	222
140	459	454	448	441	432	421	410	398	378	359	339	319	300	282	265	251	239	240	243
145	477	471	464	455	444	433	421	407	390	372	354	336	319	302	288	275	264	264	266
150	482	475	467	457	447	435	423	410	394	379	363	348	334	320	307	296	287	286	286
155	471	465	457	448	439	428	418	406	394	381	369	357	346	335	325	316	309	307	307
160	450	445	439	432	424	416	407	398	389	380	371	362	354	346	339	332	326	325	324
165	424	420	416	411	406	400	394	388	382	376	371	365	360	354	350	345	341	340	339
170	397	395	393	390	387	384	381	377	374	371	368	365	362	360	357	355	352	351	350
175	375	374	373	372	371	369	368	367	366	365	364	363	362	362	361	360	359	359	358
180	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357

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:0.2970A P:35.80W PF:0.9900 Freq:60.00Hz Lamp Flux:4479.03x1 lm																	
NAME: 4FT									TYPE:3000K 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	2161	2160	2160	2160	2160	2160	2159	2159	2159	2158	2158	2157	2157	2156	2156				
5	2154	2154	2154	2154	2154	2154	2154	2154	2154	2153	2153	2153	2152	2152	2151				
10	2134	2133	2132	2130	2129	2127	2126	2125	2125	2125	2125	2125	2126	2127	2127				
15	2093	2092	2091	2090	2089	2088	2087	2087	2087	2086	2086	2086	2086	2087	2087				
20	2010	2011	2012	2012	2013	2013	2013	2014	2014	2014	2014	2015	2015	2015	2015				
25	1873	1876	1879	1882	1885	1888	1890	1892	1894	1896	1897	1898	1899	1900	1900				
30	1626	1638	1650	1663	1675	1688	1699	1706	1711	1716	1720	1722	1724	1725	1725				
35	1202	1237	1274	1313	1351	1388	1422	1439	1452	1461	1467	1470	1469	1465	1458				
40	700	757	816	875	933	986	1034	1046	1050	1047	1035	1015	987	952	908				
45	298	339	382	425	466	505	540	551	556	557	551	541	525	503	476				
50	77.9	96.9	117	137	156	174	190	194	195	194	191	184	175	163	149				
55	26.9	33.5	40.2	46.8	52.9	58.4	63.1	63.3	62.3	60.2	57.0	52.6	47.1	40.5	32.7				
60	10.8	11.7	12.7	13.6	14.4	15.1	15.7	15.6	15.5	15.1	14.6	13.9	13.1	12.0	10.9				
65	6.89	6.95	7.00	7.04	7.09	7.13	7.16	7.19	7.21	7.22	7.23	7.23	7.22	7.22	7.20				
70	5.61	5.65	5.69	5.72	5.74	5.76	5.77	5.77	5.76	5.75	5.73	5.70	5.67	5.63	5.58				
75	4.41	4.44	4.47	4.49	4.50	4.51	4.52	4.50	4.48	4.44	4.40	4.35	4.30	4.23	4.16				
80	3.36	3.39	3.42	3.45	3.46	3.47	3.47	3.45	3.41	3.36	3.30	3.23	3.15	3.06	2.96				
85	2.60	2.65	2.70	2.74	2.77	2.80	2.81	2.77	2.71	2.65	2.56	2.46	2.35	2.22	2.07				
90	17.2	23.8	30.4	37.0	43.3	49.2	54.5	56.4	57.5	57.8	57.3	55.9	53.7	50.7	46.9				
95	42.4	55.4	69.0	82.8	96.6	110	122	129	134	138	141	142	143	142	140				
100	67.3	82.7	99.1	116	133	150	166	176	184	192	198	203	207	210	212				
105	96.0	113	132	151	171	190	208	219	229	237	244	250	255	259	261				
110	123	142	162	183	204	226	246	258	270	280	288	296	302	308	312				
115	147	165	185	206	228	249	271	284	297	309	320	330	339	348	355				
120	169	187	206	226	248	269	291	306	320	333	346	358	370	381	392				
125	189	204	222	241	261	281	302	317	332	347	361	376	390	404	418				
130	210	223	239	256	274	293	313	327	342	357	372	387	402	417	432				
135	230	241	253	268	284	300	318	331	345	359	373	388	403	418	434				
140	249	257	267	279	292	305	320	331	343	356	368	382	396	410	425				
145	270	276	283	292	302	313	324	334	343	353	364	375	386	398	411				
150	289	292	298	304	311	319	327	334	341	348	356	364	373	382	392				
155	308	310	313	317	322	327	333	337	341	346	351	357	362	369	375				
160	324	325	326	328	331	334	337	339	342	345	348	351	355	359	363				
165	338	338	338	338	339	340	342	343	344	345	347	348	350	352	355				
170	349	348	348	347	347	347	347	347	348	348	348	349	350	350	351				
175	357	357	356	355	355	355	354	354	354	353	353	353	353	353	353				
180	357	357	357	357	357	357	357	357	357	357	357	357	357	357	357				

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: