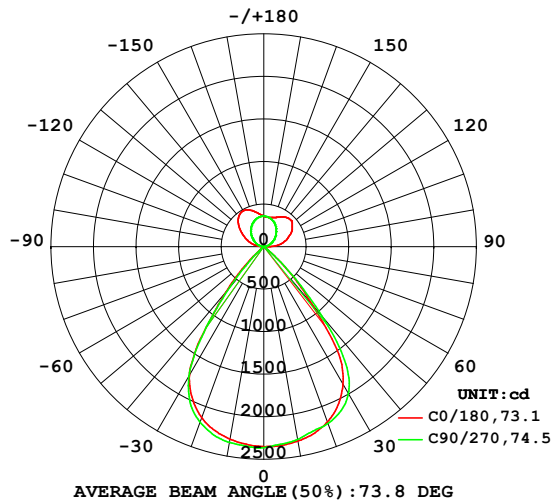


LUMINAIRE PHOTOMETRIC TEST REPORT

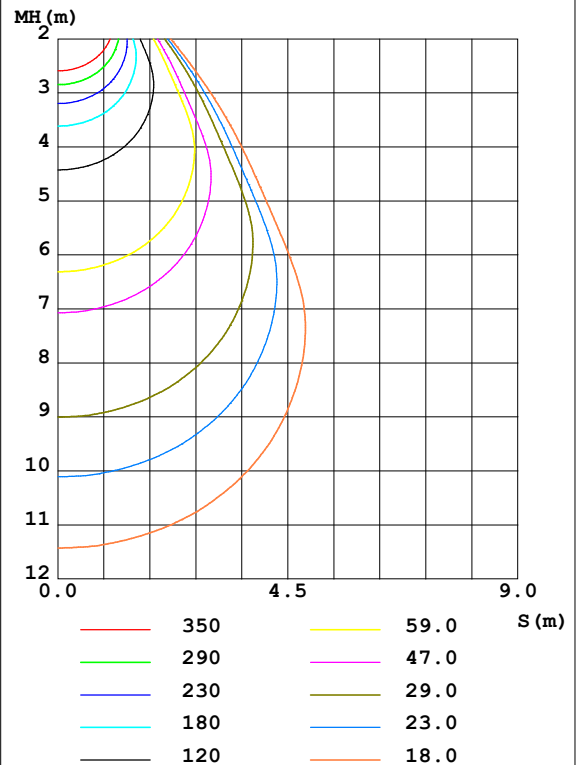
Test:U:120.8V I:0.2890A P:34.80W PF:0 Freq:60.00Hz Lamp Flux:4737.07x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 136.12 lm/W			
MODEL		I _{max} (cd)	2367	S/MH(C0/180)	1.09
NOMINAL POWER(W)	36W	LOR(%)	100.0	S/MH(C90/270)	1.03
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	4737.1	η UP,DN(C0-180)	15.5,36.4
NOMINAL FLUX(lm)	4737.07	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	15.9,32.2
LAMPS INSIDE	1	η up(%)	31.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	68.6	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:

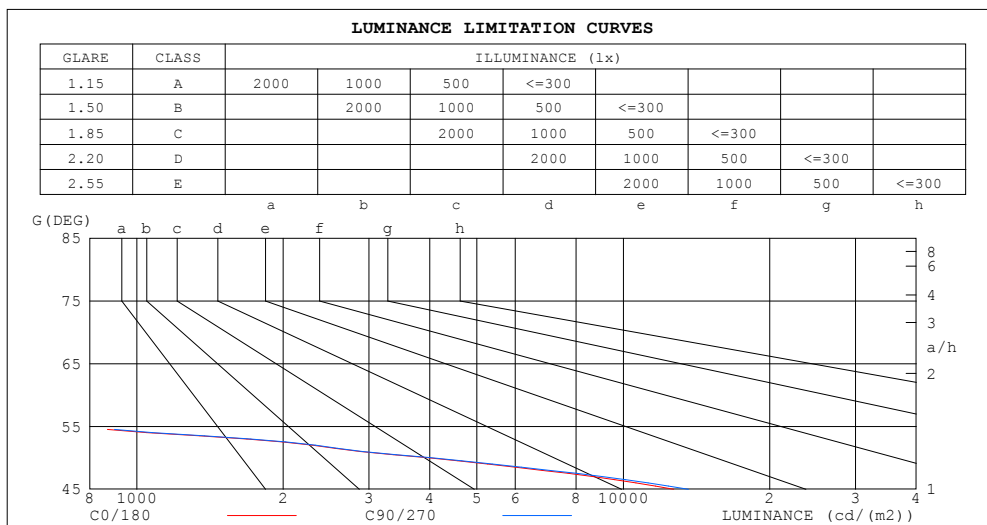
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2320	2301	2300	2296	2297	2314	2336	2324	0- 10	222.5	222.5	4.7,4.7
20	2190	2171	2212	2154	2138	2177	2194	2194	10- 20	637.0	859.6	18.1,18.1
30	1863	1942	1992	1921	1750	1811	1760	1843	20- 30	941.3	1801	38,38
40	879.5	1409	1064	1373	688.7	1066	618.1	1105	30- 40	928.6	2729	57.6,57.6
50	126.7	405.5	128.8	358.2	57.91	182.3	36.55	196.4	40- 50	435.7	3165	66.8,66.8
60	9.880	40.03	9.633	33.33	8.625	12.47	9.034	14.61	50- 60	66.03	3231	68.2,68.2
70	5.757	6.289	6.496	5.897	5.326	5.611	6.085	5.945	60- 70	8.824	3240	68.4,68.4
80	2.935	3.764	3.984	4.201	3.424	3.394	3.623	3.608	70- 80	4.979	3245	68.5,68.5
90	50.22	14.20	2.222	4.349	6.944	17.62	0.3553	58.42	80- 90	5.857	3251	68.6,68.6
100	212.8	150.7	20.43	93.27	88.44	111.6	32.63	164.7	90-100	70.52	3321	70.1,70.1
110	302.8	229.4	68.26	170.4	193.1	190.4	82.13	229.5	100-110	154.6	3476	73.4,73.4
120	386.0	282.7	120.9	260.2	285.3	278.6	133.8	283.4	110-120	215.2	3691	77.9,77.9
130	437.8	311.7	176.6	343.9	384.0	353.3	186.7	316.8	120-130	253.3	3944	83.3,83.3
140	442.0	322.6	230.9	400.4	460.2	399.6	240.0	329.5	130-140	257.5	4202	88.7,88.7
150	404.3	327.5	281.3	418.9	488.2	411.7	288.3	331.9	140-150	226.3	4428	93.5,93.5
160	365.6	333.3	323.0	408.7	457.2	399.7	327.6	336.7	150-160	170.6	4599	97.1,97.1
170	349.9	343.4	349.8	384.4	401.1	377.4	352.4	346.3	160-170	103.7	4703	99.3,99.3
180	356.1	356.1	356.1	356.1	356.1	356.1	356.1	356.1	170-180	34.49	4737	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:0.2890A P:34.80W PF:0 Freq:60.00Hz Lamp Flux:4737.07x1 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	465	639
80	338	459
75	328	394
70	337	380
65	353	379
60	395	385
55	749	780
50	3941	4007
45	12689	13610

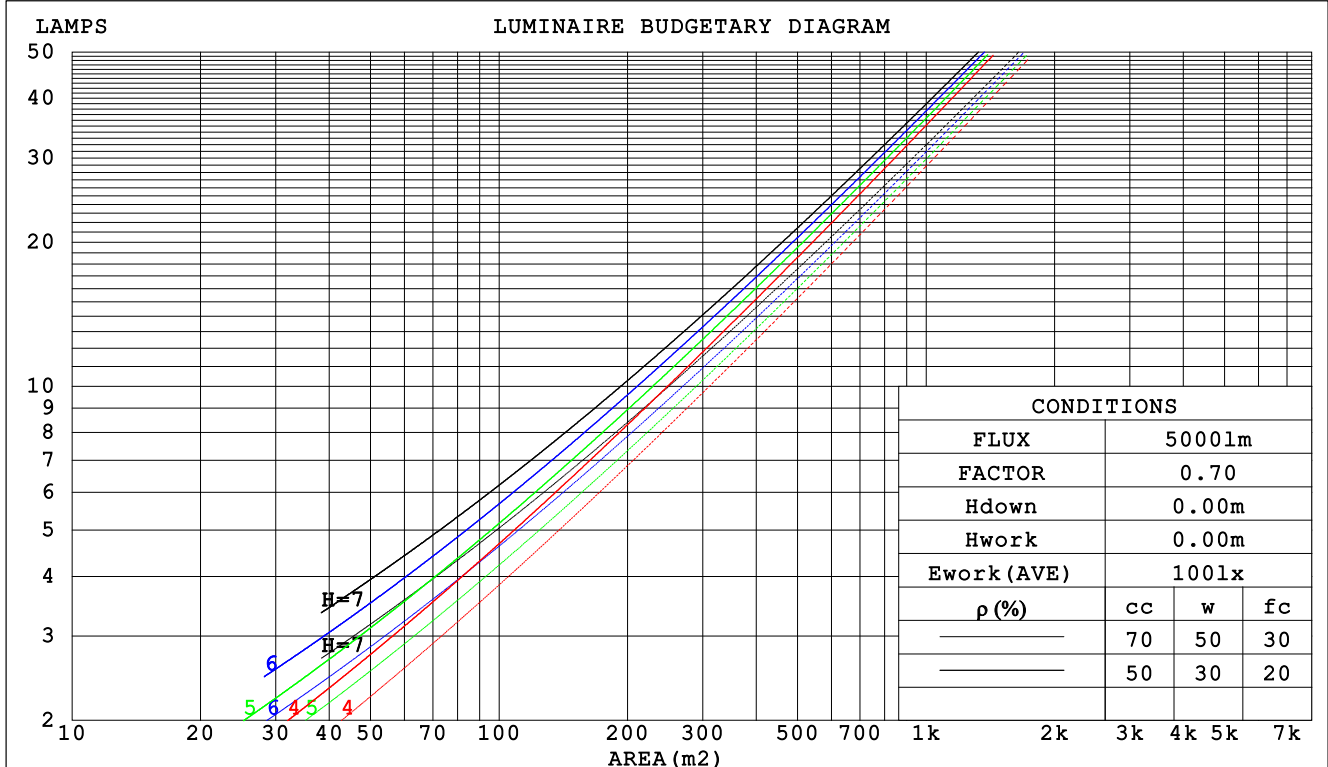
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.2890A P:34.80W PF:0 Freq:60.00Hz Lamp Flux:4737.07x1 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	1.05	1.05	1.05	.94	.94	.94	.83	.83	.83	.73	.73	.73	.69
1.0	1.01	.98	.96	.96	.93	.91	.86	.84	.83	.77	.76	.75	.69	.68	.67	.63
2.0	.92	.87	.83	.88	.83	.80	.79	.76	.73	.72	.69	.67	.64	.63	.61	.58
3.0	.84	.78	.73	.80	.75	.71	.73	.69	.65	.66	.63	.61	.60	.58	.56	.53
4.0	.76	.70	.65	.73	.67	.63	.67	.62	.59	.61	.58	.55	.56	.53	.51	.48
5.0	.70	.63	.58	.67	.61	.57	.62	.57	.53	.57	.53	.50	.52	.49	.47	.44
6.0	.64	.57	.52	.62	.56	.51	.57	.52	.48	.53	.49	.45	.48	.45	.43	.41
7.0	.59	.52	.48	.57	.51	.46	.53	.48	.44	.49	.45	.42	.45	.42	.39	.37
8.0	.55	.48	.43	.53	.47	.42	.49	.44	.40	.46	.41	.38	.42	.39	.36	.34
9.0	.51	.44	.40	.49	.43	.39	.46	.41	.37	.43	.38	.35	.40	.36	.34	.32
10.0	.47	.41	.36	.46	.40	.36	.43	.38	.34	.40	.36	.33	.37	.34	.31	.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:120.8V I:0.2890A P:34.80W PF:0 Freq:60.00Hz Lamp Flux:4737.07x1 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	.215	.122	.039	.199	.113	.036	.168	.097	.031	.140	.081	.026	.114	.066	.021		
2.0	.204	.112	.034	.190	.104	.032	.162	.090	.028	.137	.077	.024	.114	.064	.020		
3.0	.193	.103	.031	.180	.096	.029	.155	.084	.026	.132	.072	.022	.111	.061	.019		
4.0	.183	.095	.028	.171	.089	.026	.148	.079	.023	.127	.068	.021	.108	.058	.018		
5.0	.173	.088	.025	.162	.083	.024	.141	.074	.022	.122	.064	.019	.104	.056	.017		
6.0	.164	.082	.023	.154	.078	.022	.135	.069	.020	.117	.061	.018	.100	.053	.016		
7.0	.155	.077	.022	.146	.073	.021	.128	.065	.019	.112	.057	.017	.097	.050	.015		
8.0	.147	.072	.020	.139	.068	.019	.123	.061	.018	.107	.054	.016	.093	.048	.014		
9.0	.140	.068	.019	.132	.064	.018	.117	.058	.016	.103	.052	.015	.090	.046	.013		
10.0	.134	.064	.018	.126	.061	.017	.112	.055	.015	.099	.049	.014	.086	.043	.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	.430	.430	.430	.367	.367	.367	.251	.251	.251	.144	.144	.144	.046	.046	.046	
1.0	.415	.398	.383	.355	.342	.330	.243	.235	.228	.140	.136	.133	.045	.044	.043	
2.0	.403	.375	.351	.345	.323	.304	.237	.223	.212	.136	.130	.124	.044	.042	.040	
3.0	.394	.358	.329	.337	.309	.285	.232	.214	.200	.134	.125	.118	.043	.041	.039	
4.0	.385	.345	.313	.331	.298	.272	.227	.207	.192	.132	.122	.113	.042	.040	.037	
5.0	.378	.334	.302	.325	.289	.262	.224	.202	.185	.130	.119	.110	.042	.039	.036	
6.0	.372	.326	.293	.320	.282	.255	.221	.198	.180	.128	.116	.107	.041	.038	.035	
7.0	.366	.319	.286	.315	.277	.250	.218	.194	.177	.126	.114	.105	.041	.037	.035	
8.0	.361	.314	.281	.311	.272	.245	.215	.191	.174	.125	.113	.104	.040	.037	.034	
9.0	.356	.309	.277	.307	.268	.242	.212	.189	.172	.124	.111	.102	.040	.037	.034	
10.0	.352	.305	.274	.303	.265	.239	.210	.186	.170	.123	.110	.101	.040	.036	.034	

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:0.2890A P:34.80W PF:0 Freq:60.00Hz Lamp Flux:4737.07x1 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	17.8	18.7	18.5	19.3	20.1	17.7	18.6	18.4	19.2	20.0
3H	17.6	18.3	18.2	19.0	19.8	17.5	18.3	18.1	18.9	19.7
4H	17.4	18.2	18.1	18.8	19.6	17.3	18.1	18.0	18.7	19.5
6H	17.3	17.9	18.0	18.6	19.5	17.2	17.9	17.9	18.6	19.4
8H	17.2	17.8	17.9	18.6	19.4	17.1	17.8	17.8	18.5	19.3
12H	17.1	17.7	17.9	18.5	19.3	17.0	17.6	17.8	18.4	19.2
4H 2H	17.4	18.2	18.1	18.8	19.6	17.3	18.1	18.0	18.8	19.5
3H	17.1	17.8	17.9	18.5	19.3	17.0	17.7	17.8	18.4	19.2
4H	17.0	17.5	17.8	18.3	19.2	16.9	17.4	17.7	18.2	19.1
6H	16.8	17.3	17.6	18.1	19.0	16.7	17.2	17.5	18.0	18.9
8H	16.8	17.2	17.6	18.0	18.9	16.7	17.1	17.5	17.9	18.9
12H	16.7	17.1	17.5	17.9	18.9	16.6	17.0	17.4	17.8	18.8
8H 4H	16.7	17.2	17.6	18.0	18.9	16.7	17.1	17.5	17.9	18.8
6H	16.6	16.9	17.4	17.8	18.8	16.5	16.9	17.3	17.7	18.7
8H	16.5	16.8	17.4	17.7	18.7	16.4	16.7	17.3	17.6	18.6
12H	16.4	16.7	17.3	17.5	18.6	16.3	16.6	17.2	17.5	18.5
12H 4H	16.7	17.1	17.5	17.9	18.8	16.6	17.0	17.4	17.8	18.8
6H	16.5	16.8	17.4	17.7	18.7	16.4	16.7	17.3	17.6	18.6
8H	16.4	16.7	17.3	17.5	18.6	16.3	16.6	17.2	17.5	18.5
Variations with the observer position at spacings:										
S = 1.0H	+ 3.2 / -15.6					+ 2.7 / -15.7				
1.5H	+ 3.2 / -11.8					+ 3.6 / -11.5				
2.0H	+ 6.4 / -14.7					+ 6.2 / -13.2				

CIE Pub.117 Corrected 4737 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.4)

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:0.2890A P:34.80W PF:0 Freq:60.00Hz Lamp Flux:4737.07x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

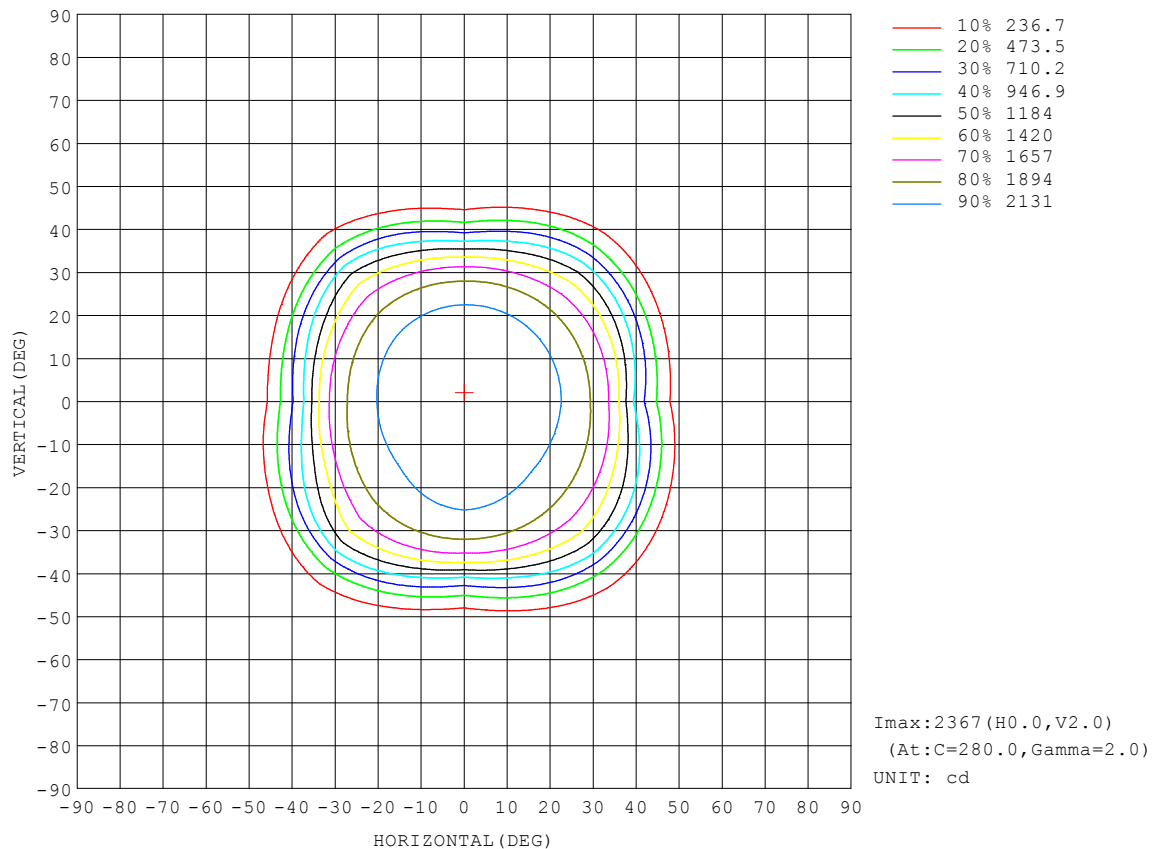
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	65	57	52	63	56	51	61	54	50	45
0.80	74	65	60	72	64	59	68	61	57	51
1.00	80	72	66	77	70	65	72	67	63	55
1.25	85	77	72	82	75	71	77	71	68	58
1.50	89	82	77	86	79	75	79	75	71	60
2.00	94	87	82	90	84	80	83	78	75	62
2.50	97	91	86	92	87	83	84	81	78	63
3.00	99	94	89	94	90	86	86	83	80	64
4.00	102	98	94	97	93	90	88	85	83	66
5.00	104	100	97	99	95	93	89	87	85	66
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:0.2890A P:34.80W PF:0 Freq:60.00Hz Lamp Flux:4737.07x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

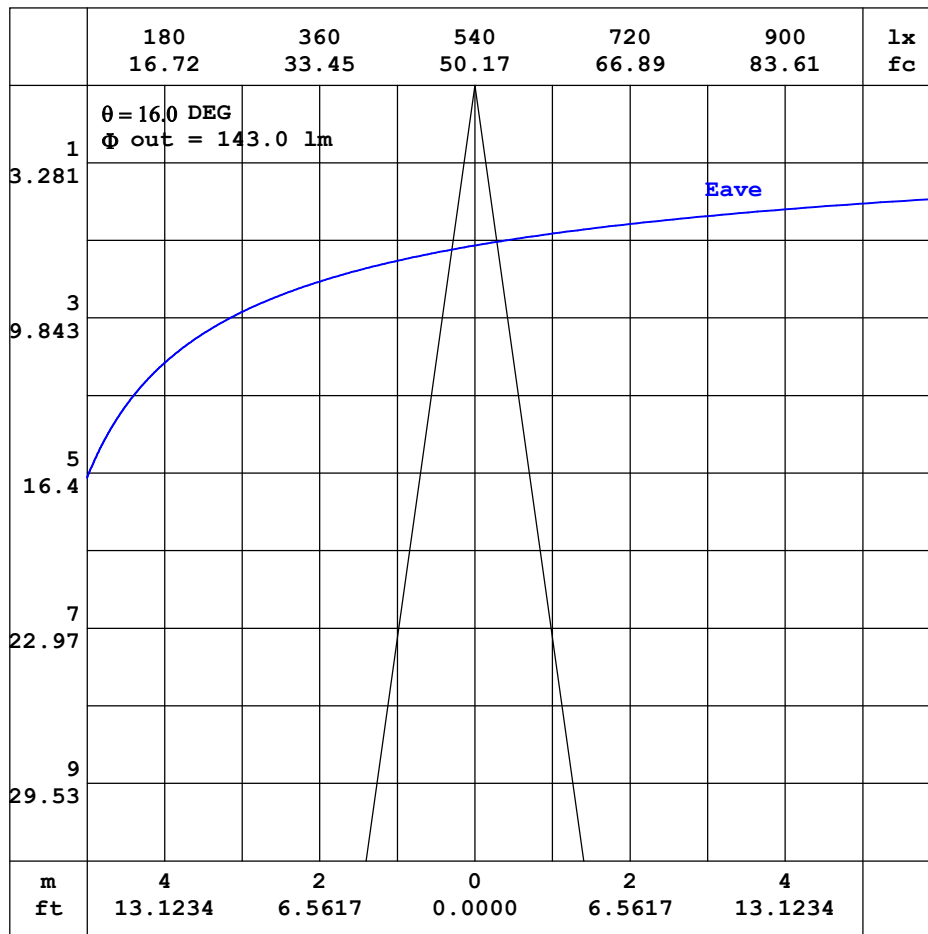


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.8V I:0.2890A P:34.80W PF:0 Freq:60.00Hz Lamp Flux:4737.07x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



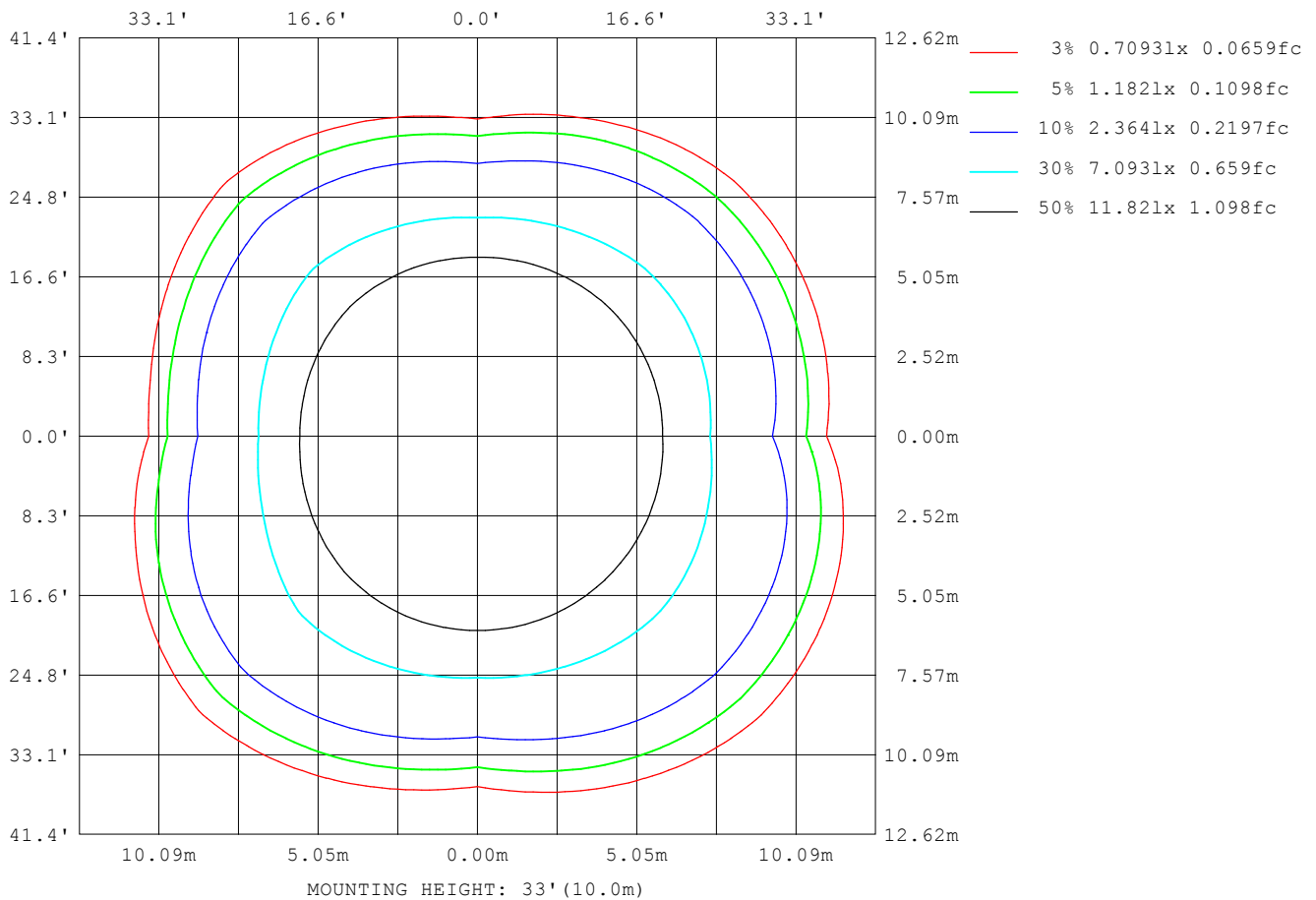
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.8V I:0.2890A P:34.80W PF:0 Freq:60.00Hz Lamp Flux:4737.07x1 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:120.8V I:0.2890A P:34.80W PF:0 Freq:60.00Hz Lamp Flux:4737.07x1 lm		
NAME: 4FT	TYPE:3500K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

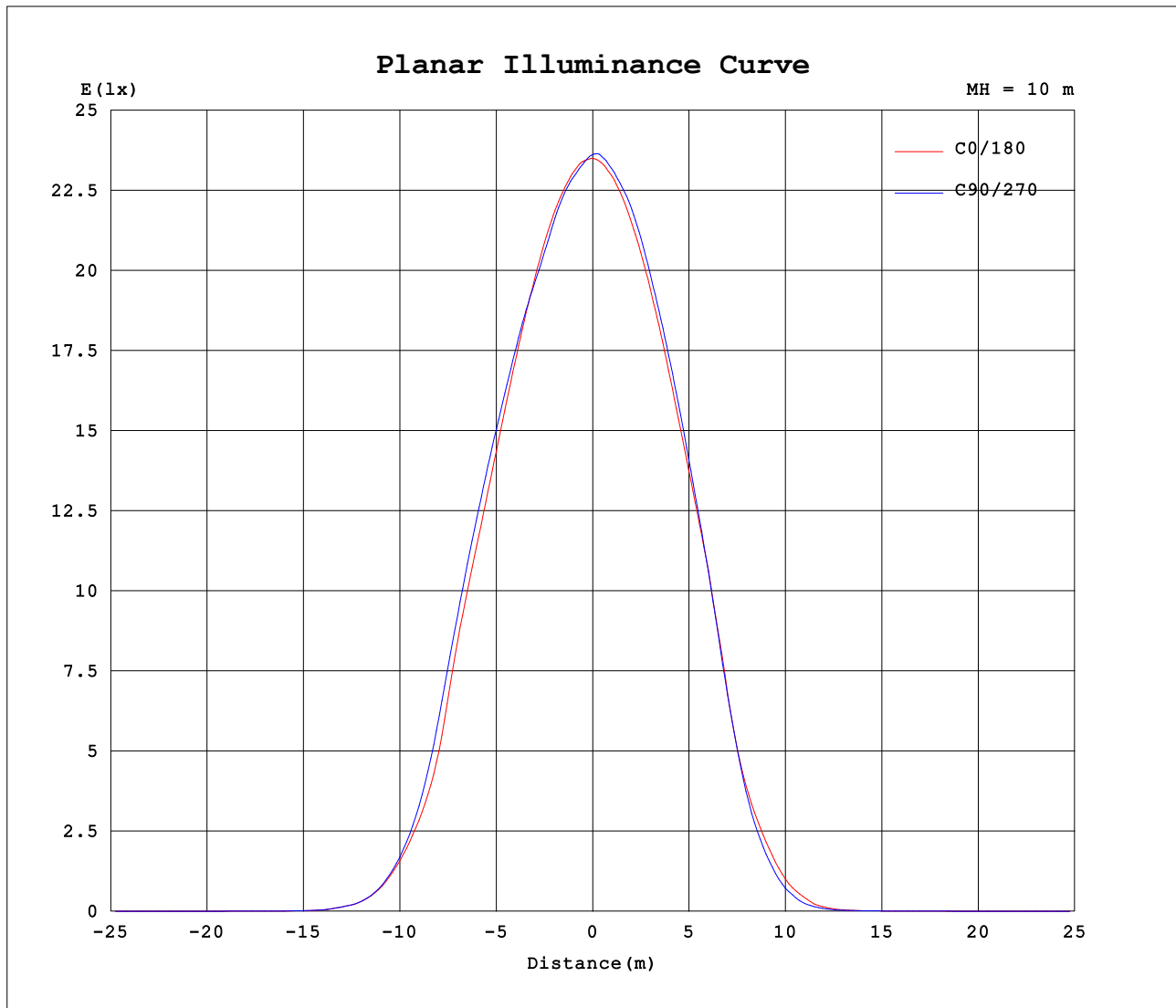
AvgL	cd/m2
L_0~180 (65) av	334
L_0~180 (75) av	333
L_0~180 (85) av	531
L_90~270 (65) av	366
L_90~270 (75) av	382
L_90~270 (85) av	627
L_45 (65) av	364
L_45 (75) av	363
L_45 (85) av	703

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:0.2890A P:34.80W PF:0 Freq:60.00Hz Lamp Flux:4737.07x1 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	2350	2350	2351	2351	2352	2352	2353	2353	2354	2355	2355	2356	2357	2358	2359	2359	2360	2361	2361
5	2344	2342	2340	2338	2336	2335	2333	2332	2331	2330	2329	2329	2328	2328	2328	2328	2328	2328	2328
10	2320	2317	2314	2312	2309	2307	2305	2304	2302	2301	2301	2300	2300	2300	2300	2300	2300	2300	2300
15	2274	2270	2266	2262	2259	2256	2254	2251	2249	2247	2246	2245	2245	2244	2244	2244	2244	2244	2244
20	2190	2185	2181	2177	2174	2172	2171	2170	2170	2171	2176	2181	2186	2191	2197	2202	2206	2210	2212
25	2061	2061	2062	2064	2065	2068	2070	2073	2077	2081	2088	2096	2103	2111	2118	2124	2129	2133	2136
30	1863	1873	1883	1892	1901	1910	1918	1927	1934	1942	1950	1959	1966	1973	1979	1984	1988	1991	1992
35	1538	1570	1599	1625	1649	1670	1688	1703	1715	1724	1726	1725	1722	1718	1712	1705	1698	1691	1684
40	879	982	1073	1153	1223	1282	1330	1367	1394	1409	1386	1354	1316	1273	1228	1182	1138	1098	1064
45	449	553	646	726	795	851	895	927	947	955	917	869	814	755	694	633	576	524	481
50	127	185	237	281	319	350	374	392	402	405	383	355	323	288	252	217	184	154	129
55	21.5	47.9	71.2	91.4	109	123	133	141	146	148	137	125	110	94.6	78.5	62.6	47.5	33.8	22.4
60	9.88	16.2	21.8	26.7	30.8	34.1	36.7	38.6	39.7	40.0	37.5	34.5	31.0	27.2	23.3	19.4	15.7	12.4	9.63
65	7.46	7.71	7.93	8.13	8.30	8.45	8.57	8.66	8.73	8.77	8.75	8.70	8.63	8.54	8.45	8.34	8.23	8.12	8.01
70	5.76	5.83	5.90	5.97	6.03	6.09	6.15	6.20	6.25	6.29	6.34	6.38	6.42	6.45	6.48	6.49	6.50	6.50	6.50
75	4.24	4.34	4.44	4.53	4.61	4.68	4.75	4.82	4.87	4.92	4.97	5.01	5.04	5.06	5.08	5.10	5.10	5.11	5.10
80	2.94	3.06	3.17	3.28	3.38	3.47	3.56	3.63	3.70	3.76	3.81	3.84	3.88	3.90	3.92	3.94	3.96	3.97	3.98
85	2.03	2.18	2.33	2.46	2.58	2.68	2.77	2.85	2.91	2.96	2.95	2.94	2.92	2.89	2.86	2.83	2.81	2.79	2.79
90	50.2	45.0	40.1	35.5	31.2	27.2	23.5	20.1	17.0	14.2	11.9	9.81	8.03	6.50	5.21	4.16	3.31	2.67	2.22
95	141	139	137	133	129	125	119	114	107	99.6	88.3	76.6	64.7	53.0	41.6	30.7	20.8	11.9	4.42
100	213	209	205	200	194	187	179	170	161	151	135	118	101	85.1	69.4	54.7	41.4	29.8	20.4
105	260	256	251	246	239	231	223	213	202	191	173	154	135	116	98.3	81.6	66.5	53.5	43.0
110	303	299	294	288	281	273	264	253	242	229	209	189	168	148	128	110	93.7	79.6	68.3
115	347	341	334	327	318	308	297	286	273	260	239	217	195	174	154	136	119	105	94.4
120	386	377	368	358	347	336	324	311	297	283	261	239	218	197	177	159	143	131	121
125	409	399	389	378	366	354	342	328	315	301	279	258	238	218	199	183	168	157	149
130	438	424	411	397	383	369	355	341	326	312	291	272	252	234	218	203	191	182	177
135	447	432	417	403	388	374	360	346	332	319	300	282	266	250	236	224	214	208	204
140	442	427	413	399	386	372	359	347	335	323	307	292	277	265	253	244	237	232	231
145	427	414	401	389	378	366	355	345	335	325	313	301	289	280	271	264	260	257	257
150	404	394	385	375	366	358	350	342	335	328	318	309	301	294	288	284	281	280	281
155	382	375	368	362	356	350	345	339	335	330	324	318	313	308	305	303	302	302	304
160	366	361	357	352	349	345	342	339	336	333	330	326	324	322	320	319	320	321	323
165	354	352	349	347	345	343	341	340	339	338	336	335	334	333	333	334	335	336	338
170	350	349	347	346	345	345	344	344	343	343	343	343	343	344	344	345	346	348	350
175	352	351	350	350	350	349	349	349	349	350	350	351	351	352	353	354	355	356	357
180	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356

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:0.2890A P:34.80W PF:0 Freq:60.00Hz Lamp Flux:4737.07x1 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	2362	2362	2362	2362	2362	2362	2362	2362	2361	2360	2359	2357	2356	2354	2353	2352	2351	2350	2350
5	2329	2329	2330	2330	2331	2331	2332	2332	2333	2332	2332	2332	2332	2331	2331	2331	2332	2332	2334
10	2300	2299	2299	2298	2298	2297	2297	2297	2296	2296	2296	2295	2295	2295	2296	2296	2296	2297	2298
15	2243	2243	2243	2242	2242	2242	2242	2241	2241	2240	2239	2238	2237	2237	2236	2236	2236	2237	2239
20	2208	2203	2197	2190	2183	2175	2168	2161	2154	2149	2146	2143	2141	2139	2138	2137	2137	2138	2141
25	2132	2127	2120	2112	2104	2094	2084	2074	2063	2052	2041	2030	2019	2009	2000	1992	1985	1980	1982
30	1990	1986	1981	1974	1966	1957	1946	1934	1921	1901	1880	1859	1838	1817	1798	1780	1764	1750	1752
35	1692	1700	1707	1713	1717	1717	1714	1707	1694	1645	1592	1536	1479	1423	1369	1319	1275	1238	1254
40	1096	1134	1175	1218	1260	1299	1332	1357	1373	1308	1234	1154	1069	984	900	821	750	689	713
45	518	563	613	667	721	773	820	860	890	840	779	712	639	563	488	415	347	286	293
50	148	172	200	230	260	289	317	340	358	334	304	270	233	196	158	122	87.8	57.9	63.5
55	30.4	40.7	52.5	65.3	78.5	91.5	104	114	123	114	104	91.2	77.7	63.6	49.4	35.7	22.9	11.6	13.8
60	11.5	13.8	16.6	19.6	22.7	25.7	28.6	31.2	33.3	31.6	29.3	26.7	23.7	20.7	17.5	14.4	11.4	8.63	8.30
65	7.97	7.93	7.89	7.85	7.82	7.78	7.73	7.69	7.63	7.52	7.40	7.28	7.16	7.04	6.93	6.82	6.73	6.65	6.64
70	6.45	6.40	6.34	6.28	6.21	6.13	6.06	5.98	5.90	5.82	5.74	5.66	5.59	5.52	5.46	5.41	5.36	5.33	5.33
75	5.08	5.06	5.03	5.00	4.96	4.92	4.88	4.84	4.79	4.74	4.68	4.63	4.58	4.53	4.49	4.44	4.40	4.37	4.35
80	4.03	4.07	4.11	4.14	4.17	4.19	4.20	4.21	4.20	4.13	4.05	3.97	3.87	3.78	3.69	3.59	3.51	3.42	3.39
85	2.88	2.99	3.10	3.21	3.32	3.42	3.51	3.59	3.64	3.56	3.47	3.35	3.23	3.10	2.97	2.84	2.71	2.60	2.59
90	2.18	2.18	2.17	2.24	2.54	2.91	3.36	3.84	4.35	4.48	4.62	4.79	4.99	5.25	5.56	5.94	6.40	6.94	8.39
95	5.03	7.02	10.1	14.2	18.9	24.0	29.3	34.6	39.6	39.5	39.0	38.2	37.2	36.2	35.2	34.3	33.8	33.6	37.7
100	23.6	28.9	36.0	44.4	53.8	63.7	73.9	83.9	93.3	94.6	95.2	95.1	94.4	93.4	92.2	90.8	89.5	88.4	92.0
105	46.7	53.0	61.3	71.2	82.4	94.4	107	119	131	135	139	142	144	146	147	148	148	148	151
110	72.9	80.3	90.0	102	114	128	142	157	170	176	180	184	187	189	191	192	193	193	196
115	101	110	121	135	150	166	182	199	214	220	225	229	232	235	236	237	237	237	240
120	129	140	154	170	188	206	225	243	260	267	273	277	281	283	285	285	286	285	288
125	159	172	188	206	225	245	266	285	305	313	319	325	329	332	334	336	336	336	338
130	188	203	220	239	260	281	303	324	344	354	362	369	374	378	381	383	384	384	385
135	217	232	250	270	291	312	334	356	376	388	397	406	413	418	422	425	427	427	427
140	244	259	277	296	317	338	359	380	400	413	424	433	441	448	453	457	459	460	459
145	269	284	300	318	337	356	376	396	414	427	439	449	458	466	472	477	480	481	479
150	292	305	319	335	351	368	385	402	419	431	443	453	463	471	477	483	486	488	485
155	313	323	335	348	361	375	389	403	417	427	438	447	455	463	469	473	477	479	475
160	330	338	347	357	367	378	388	399	409	417	425	432	439	445	449	453	456	457	454
165	344	349	356	362	369	376	383	390	397	403	408	413	418	421	424	427	429	429	427
170	353	357	360	364	368	373	377	381	384	388	390	393	395	397	399	400	401	401	400
175	359	360	362	364	366	367	369	370	372	373	374	375	375	376	376	377	377	376	376
180	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356

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:0.2890A P:34.80W PF:0 Freq:60.00Hz Lamp Flux:4737.07x1 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	2350	2350	2351	2351	2352	2353	2354	2355	2355	2356	2357	2358	2359	2359	2360	2361	2361	2362	2362
5	2336	2338	2340	2343	2345	2347	2349	2351	2352	2353	2353	2354	2354	2354	2354	2354	2354	2354	2355
10	2300	2301	2303	2305	2307	2310	2312	2314	2317	2320	2323	2326	2328	2331	2333	2335	2336	2336	2335
15	2242	2245	2248	2251	2255	2258	2262	2266	2269	2272	2275	2278	2281	2283	2285	2287	2289	2289	2288
20	2144	2148	2153	2157	2162	2167	2172	2177	2180	2182	2185	2187	2189	2191	2192	2193	2194	2195	2195
25	1985	1989	1994	1999	2006	2012	2019	2025	2028	2030	2032	2034	2035	2036	2037	2038	2039	2041	2043
30	1756	1762	1769	1777	1786	1795	1803	1811	1806	1800	1794	1787	1781	1774	1769	1764	1760	1766	1774
35	1277	1306	1339	1373	1408	1441	1472	1497	1474	1445	1413	1379	1344	1310	1279	1252	1231	1252	1279
40	747	790	837	888	938	987	1030	1066	1024	976	921	864	806	750	699	654	618	656	704
45	308	330	356	385	415	444	471	493	465	432	396	359	322	286	254	227	206	235	270
50	73.3	86.5	102	119	137	154	169	182	169	153	135	117	97.8	79.6	62.8	48.2	36.6	49.0	64.5
55	17.6	22.7	28.7	35.2	42.0	48.6	54.8	60.1	55.8	50.7	44.9	38.7	32.4	26.2	20.5	15.5	11.4	15.7	21.0
60	8.27	8.50	8.94	9.53	10.2	11.0	11.7	12.5	12.1	11.8	11.3	10.9	10.4	9.98	9.59	9.27	9.03	9.56	10.2
65	6.64	6.66	6.69	6.73	6.77	6.83	6.89	6.95	7.01	7.07	7.13	7.19	7.25	7.30	7.35	7.40	7.44	7.45	7.45
70	5.34	5.36	5.39	5.42	5.46	5.51	5.56	5.61	5.67	5.73	5.79	5.85	5.90	5.96	6.00	6.05	6.09	6.09	6.09
75	4.34	4.34	4.34	4.34	4.35	4.37	4.38	4.41	4.45	4.49	4.54	4.58	4.63	4.67	4.71	4.75	4.79	4.79	4.80
80	3.37	3.36	3.35	3.35	3.35	3.36	3.38	3.39	3.42	3.44	3.47	3.49	3.52	3.55	3.58	3.60	3.62	3.64	3.66
85	2.59	2.59	2.61	2.64	2.67	2.70	2.73	2.77	2.76	2.75	2.74	2.73	2.72	2.70	2.69	2.69	2.68	2.71	2.75
90	9.89	11.4	12.8	14.2	15.4	16.4	17.2	17.6	15.2	12.6	9.87	7.26	4.87	2.84	1.32	0.44	0.36	5.68	11.7
95	42.2	46.8	51.4	55.7	59.6	63.0	65.7	67.4	60.9	53.7	46.1	38.4	31.1	24.4	18.7	14.4	11.8	20.8	31.5
100	95.8	99.5	103	106	109	111	112	112	102	91.9	81.2	70.5	60.3	51.0	43.0	36.7	32.6	42.3	54.1
105	153	154	156	156	156	155	153	150	138	126	113	101	88.9	78.2	69.0	61.7	56.9	66.5	78.5
110	198	199	200	200	199	197	194	190	177	163	148	134	120	108	96.8	88.1	82.1	91.9	104
115	243	244	245	245	245	243	239	235	219	203	187	170	154	139	126	116	108	116	127
120	290	292	293	292	291	288	284	279	261	243	224	206	188	171	156	143	134	142	154
125	339	340	340	338	336	332	326	319	300	280	260	240	220	202	185	171	160	168	178
130	386	385	383	380	375	370	362	353	334	313	291	270	250	231	213	198	187	192	201
135	426	424	420	415	409	401	392	381	361	340	319	298	277	258	241	225	213	217	224
140	456	452	447	440	432	422	412	400	380	360	340	320	301	283	266	252	240	242	246
145	475	470	463	454	445	434	422	409	392	374	355	337	320	304	289	276	265	265	268
150	480	474	466	457	447	436	424	412	396	381	365	350	335	321	309	298	288	287	288
155	471	465	457	449	440	430	419	408	395	383	371	359	347	336	326	317	310	308	308
160	450	445	439	433	425	417	408	400	391	382	373	364	355	347	340	333	328	326	325
165	424	421	417	412	407	401	395	389	383	377	372	366	360	355	350	346	342	340	339
170	398	396	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	361	360	359	359	358	357
180	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356

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:0.2890A P:34.80W PF:0 Freq:60.00Hz Lamp Flux:4737.07x1 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	2362	2362	2362	2362	2362	2362	2361	2360	2360	2359	2357	2356	2355	2353	2352				
5	2355	2355	2355	2355	2355	2355	2355	2354	2354	2353	2352	2350	2349	2348	2346				
10	2334	2332	2331	2329	2327	2325	2324	2323	2322	2321	2321	2320	2320	2320	2320				
15	2288	2287	2286	2285	2283	2282	2280	2280	2279	2278	2277	2277	2276	2275	2274				
20	2196	2196	2196	2195	2195	2195	2194	2194	2194	2194	2193	2193	2192	2192	2191				
25	2044	2046	2048	2049	2050	2052	2053	2054	2055	2056	2057	2058	2059	2060	2060				
30	1783	1792	1802	1813	1823	1833	1843	1848	1853	1856	1859	1862	1863	1864	1864				
35	1311	1346	1384	1423	1461	1499	1533	1549	1560	1568	1572	1573	1570	1563	1552				
40	758	817	879	941	1000	1056	1105	1115	1117	1109	1093	1068	1034	991	940				
45	309	353	398	443	487	528	565	576	581	579	572	559	540	516	485				
50	82.3	102	122	142	162	180	196	200	201	199	194	186	175	162	146				
55	27.0	33.5	40.1	46.6	52.8	58.3	63.0	63.0	61.8	59.5	56.0	51.4	45.7	38.7	30.7				
60	10.8	11.5	12.3	12.9	13.6	14.1	14.6	14.6	14.5	14.2	13.8	13.3	12.6	11.8	10.9				
65	7.44	7.44	7.43	7.41	7.40	7.38	7.37	7.37	7.38	7.38	7.39	7.40	7.41	7.42	7.44				
70	6.08	6.07	6.05	6.03	6.00	5.97	5.95	5.93	5.91	5.89	5.87	5.85	5.83	5.80	5.78				
75	4.80	4.79	4.78	4.76	4.74	4.71	4.68	4.65	4.61	4.57	4.53	4.48	4.43	4.37	4.31				
80	3.67	3.67	3.67	3.67	3.65	3.63	3.61	3.57	3.51	3.46	3.39	3.32	3.23	3.14	3.04				
85	2.79	2.82	2.85	2.87	2.89	2.89	2.89	2.84	2.79	2.72	2.64	2.54	2.43	2.31	2.17				
90	18.3	25.3	32.4	39.4	46.3	52.7	58.4	60.8	62.3	63.0	63.0	62.0	60.3	57.8	54.4				
95	43.6	56.7	70.3	84.3	98.1	112	124	131	136	140	144	146	146	146	144				
100	67.8	82.8	98.8	115	132	149	165	174	183	190	196	202	206	209	212				
105	92.5	108	125	142	160	178	196	206	216	225	233	241	247	252	257				
110	119	136	154	172	192	211	229	241	252	262	271	279	287	293	298				
115	141	157	174	193	212	231	251	264	276	288	299	310	320	330	339				
120	168	184	202	222	242	263	283	297	310	323	335	346	357	367	377				
125	191	207	224	243	262	283	303	316	330	342	355	366	378	389	399				
130	212	226	242	259	278	297	317	331	344	358	372	385	398	412	425				
135	233	245	259	274	291	308	326	339	352	365	379	392	406	419	433				
140	253	262	273	286	300	314	329	341	352	364	377	389	402	415	428				
145	272	279	287	297	307	319	331	340	349	359	370	380	391	403	414				
150	291	295	301	307	315	323	332	338	345	353	360	369	377	386	395				
155	309	311	314	318	323	328	334	338	342	347	352	358	363	369	376				
160	325	325	327	328	331	334	337	339	341	344	347	350	354	357	361				
165	338	338	338	338	339	340	341	342	343	344	345	347	348	350	352				
170	349	348	347	347	347	346	346	346	346	346	347	347	348	348	349				
175	356	356	355	355	354	354	353	353	353	352	352	352	352	352	352				
180	356	356	356	356	356	356	356	356	356	356	356	356	356	356	356				

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: