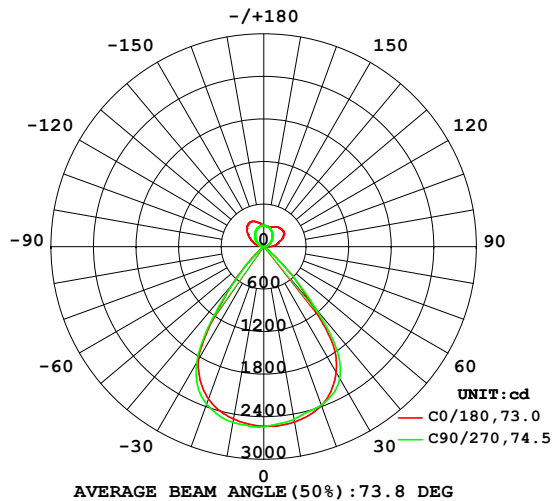


LUMINAIRE PHOTOMETRIC TEST REPORT

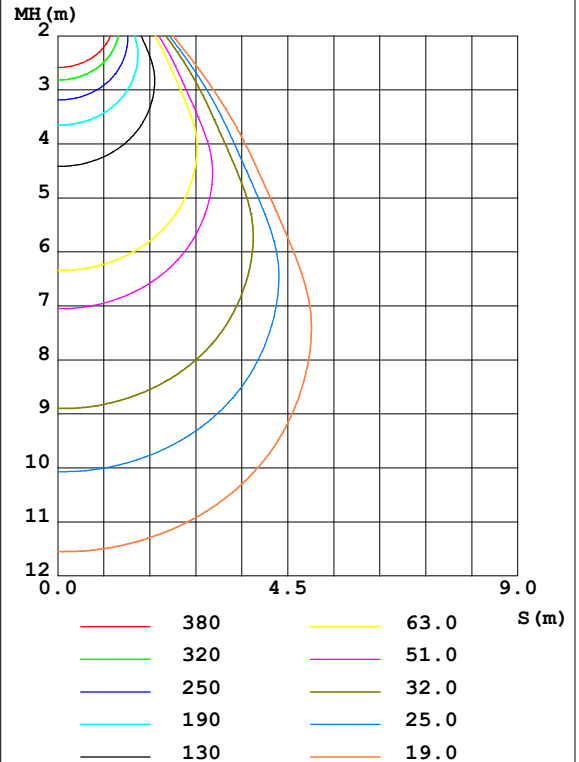
Test:U:120.9V I:0.3000A P:36.10W PF:0.9900 Freq:60.00Hz Lamp Flux:4724.5x1 lm		
NAME: 4FT	TYPE:4000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.87 lm/W			
MODEL		I _{max} (cd)	2548	S/MH (C0/180)	1.11
NOMINAL POWER(W)	36W	LOR(%)	100.0	S/MH (C90/270)	1.03
RATED VOLTAGE(V)	120.0	TOTAL FLUX (lm)	4724.5	η UP,DN (C0-180)	12.8,39.4
NOMINAL FLUX(lm)	4724.5	CIE CLASS	SEMI-D.	η UP,DN (C180-360)	13.1,34.8
LAMPS INSIDE	1	η up (%)	25.9	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120.0	η down (%)	74.1	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:

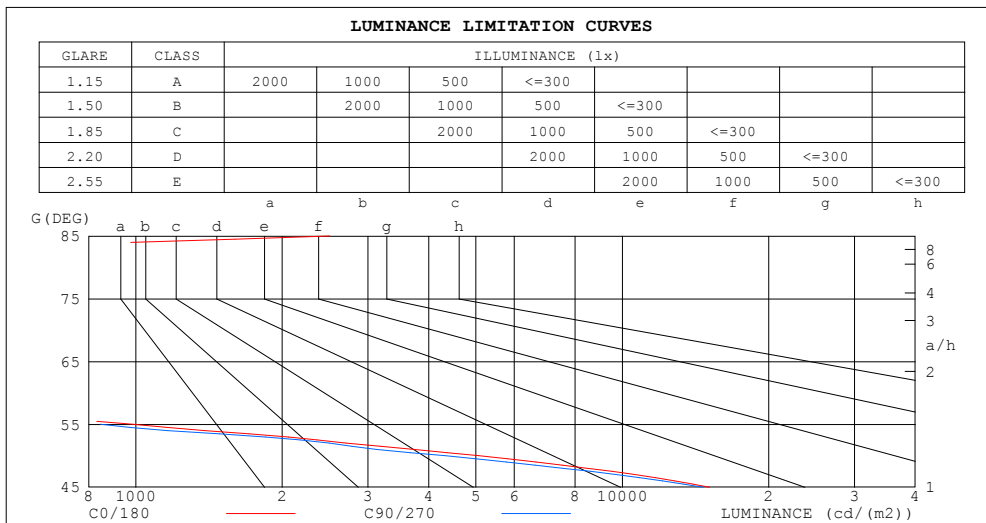
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2509	2482	2471	2464	2469	2491	2516	2507	0- 10	239.6	239.6	5.07,5.07
20	2382	2345	2377	2305	2285	2338	2362	2372	10- 20	685.8	925.4	19.6,19.6
30	2042	2104	2145	2050	1846	1931	1894	1999	20- 30	1013	1938	41,41
40	1014	1539	1148	1449	689.2	1106	664.3	1220	30- 40	998.4	2937	62.2,62.2
50	162.5	466.0	138.5	364.8	51.56	177.9	40.00	233.0	40- 50	470.4	3407	72.1,72.1
60	11.01	46.08	10.28	33.30	8.981	11.76	9.540	17.16	50- 60	72.37	3480	73.7,73.7
70	6.382	6.689	6.818	6.217	5.636	5.875	6.431	6.519	60- 70	9.482	3489	73.9,73.9
80	3.279	4.118	4.190	4.077	3.761	3.491	3.821	3.848	70- 80	5.303	3494	74,74
90	71.15	30.80	2.585	3.110	2.659	8.115	0.6750	67.83	80- 90	8.402	3503	74.1,74.1
100	183.5	138.3	16.39	63.90	53.15	86.89	27.90	135.6	90-100	60.36	3563	75.4,75.4
110	249.7	204.3	55.61	128.2	145.9	151.7	69.64	195.7	100-110	126.1	3689	78.1,78.1
120	325.2	247.1	98.35	199.5	220.2	225.5	113.4	229.6	110-120	176.9	3866	81.8,81.8
130	353.4	268.7	142.9	269.0	301.4	291.5	158.2	253.0	120-130	206.6	4073	86.2,86.2
140	344.8	274.0	189.4	318.7	367.9	335.4	202.6	265.5	130-140	209.2	4282	90.6,90.6
150	321.4	274.3	232.7	339.5	397.7	349.8	244.3	271.9	140-150	185.6	4468	94.6,94.6
160	300.2	277.6	267.7	336.2	379.6	340.3	277.8	279.3	150-160	141.4	4609	97.6,97.6
170	290.5	285.8	291.5	320.3	336.3	319.4	297.4	289.1	160-170	86.62	4696	99.4,99.4
180	297.1	297.1	297.1	297.1	297.1	297.1	297.1	297.1	170-180	28.88	4725	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:0.3000A P:36.10W PF:0.9900 Freq:60.00Hz Lamp Flux:4724.5x1 lm		
NAME: 4FT	TYPE:4000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2507	746
80	378	483
75	362	418
70	373	399
65	395	395
60	441	411
55	983	845
50	5056	4310
45	15117	14653

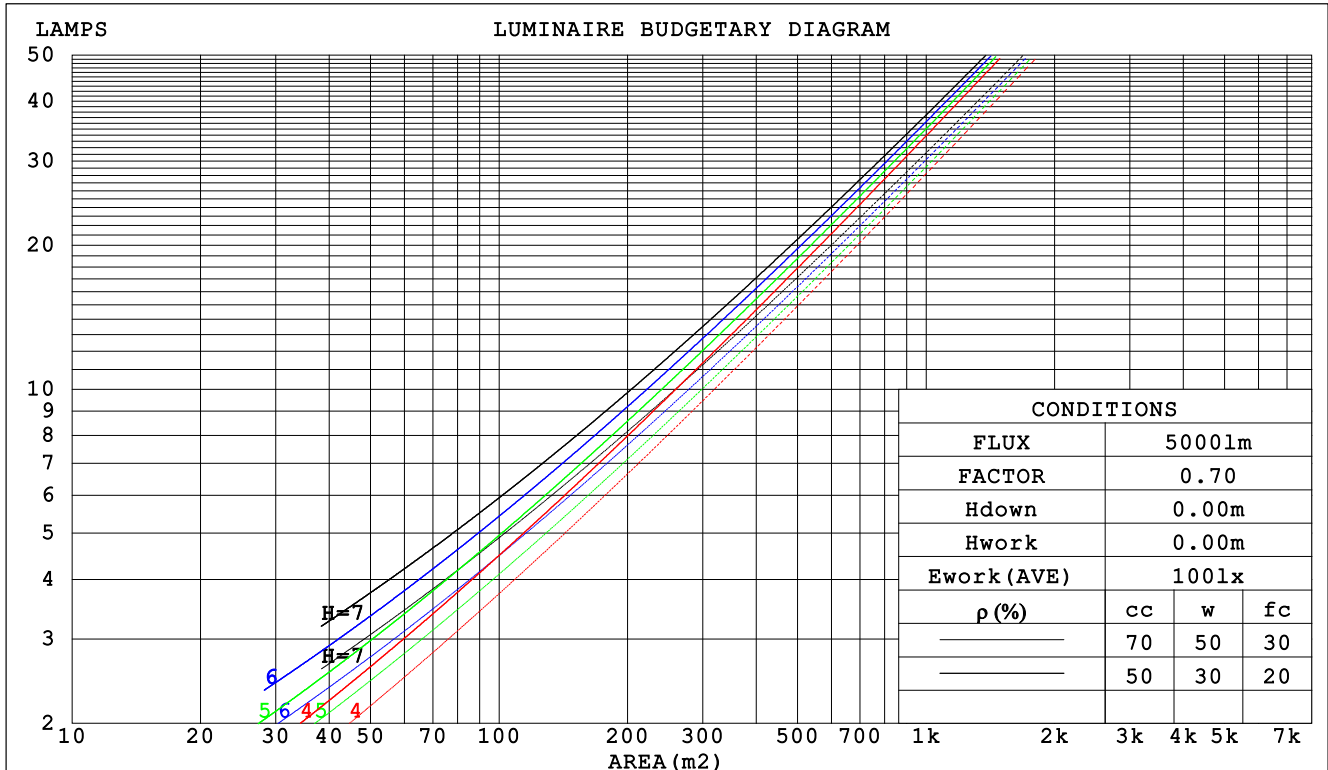
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.3000A P:36.10W PF:0.9900 Freq:60.00Hz Lamp Flux:4724.5x1 lm		
NAME: 4FT	TYPE:4000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
0.0	1.13	1.13	1.13	1.07	1.07	1.07	.97	.97	.97	.87	.87	.87	.78	.78	.78	.74
1.0	1.03	.00	.97	.98	.96	.93	.89	.87	.86	.81	.80	.79	.74	.73	.72	.68
2.0	.94	.89	.85	.90	.85	.82	.82	.79	.76	.75	.73	.71	.69	.67	.66	.62
3.0	.85	.80	.75	.82	.77	.73	.76	.72	.68	.70	.67	.64	.64	.62	.60	.57
4.0	.78	.72	.67	.75	.69	.65	.70	.65	.61	.65	.61	.58	.60	.57	.55	.52
5.0	.72	.65	.60	.69	.63	.58	.64	.59	.56	.60	.56	.53	.56	.53	.50	.48
6.0	.66	.59	.54	.64	.57	.53	.59	.54	.51	.56	.51	.48	.52	.49	.46	.44
7.0	.61	.54	.49	.59	.53	.48	.55	.50	.46	.52	.47	.44	.48	.45	.42	.40
8.0	.56	.50	.45	.55	.48	.44	.51	.46	.42	.48	.44	.41	.45	.42	.39	.37
9.0	.52	.46	.41	.51	.45	.40	.48	.43	.39	.45	.41	.37	.42	.39	.36	.34
10.0	.49	.42	.38	.47	.41	.37	.45	.39	.36	.42	.38	.35	.40	.36	.33	.32



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

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

WEC AND CCEC

Test:U:120.9V I:0.3000A P:36.10W PF:0.9900 Freq:60.00Hz Lamp Flux:4724.5x1 lm					
NAME: 4FT			TYPE:4000K 2.8		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: EVERFINE			SUR.:1.12*0.045		Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.212	.121	.038	.198	.113	.036	.170	.098	.031	.145	.084	.027	.122	.071	.023		
2.0	.202	.111	.034	.189	.104	.032	.164	.091	.028	.142	.080	.025	.121	.068	.022		
3.0	.191	.102	.030	.180	.096	.029	.157	.085	.026	.137	.075	.023	.118	.065	.020		
4.0	.181	.094	.028	.171	.089	.026	.150	.080	.024	.132	.071	.021	.115	.062	.019		
5.0	.172	.087	.025	.162	.083	.024	.144	.075	.022	.127	.067	.020	.111	.059	.018		
6.0	.163	.082	.023	.154	.078	.022	.137	.070	.020	.122	.063	.019	.107	.056	.017		
7.0	.155	.076	.022	.146	.073	.021	.131	.066	.019	.117	.060	.017	.103	.054	.016		
8.0	.147	.072	.020	.140	.069	.019	.125	.063	.018	.112	.057	.016	.099	.051	.015		
9.0	.140	.068	.019	.133	.065	.018	.120	.059	.017	.107	.054	.015	.096	.049	.014		
10.0	.133	.064	.018	.127	.061	.017	.115	.056	.016	.103	.051	.015	.092	.046	.013		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.387	.387	.387	.331	.331	.331	.226	.226	.226	.130	.130	.130	.042	.042	.042	
1.0	.372	.356	.341	.318	.305	.293	.218	.210	.203	.125	.122	.118	.040	.039	.038	
2.0	.360	.332	.309	.309	.286	.267	.211	.198	.186	.122	.115	.109	.039	.037	.036	
3.0	.350	.315	.286	.300	.272	.248	.206	.189	.174	.119	.110	.103	.038	.036	.034	
4.0	.342	.301	.270	.293	.260	.235	.202	.181	.165	.117	.106	.098	.038	.035	.032	
5.0	.335	.291	.259	.287	.252	.225	.198	.176	.159	.115	.103	.094	.037	.034	.031	
6.0	.328	.283	.250	.282	.245	.217	.195	.171	.154	.113	.101	.091	.036	.033	.030	
7.0	.322	.276	.243	.277	.239	.212	.192	.168	.150	.111	.099	.089	.036	.032	.030	
8.0	.317	.270	.238	.273	.234	.207	.189	.164	.147	.110	.097	.088	.036	.032	.029	
9.0	.312	.265	.234	.269	.230	.204	.186	.162	.145	.109	.096	.086	.035	.031	.029	
10.0	.308	.261	.230	.265	.227	.201	.184	.160	.143	.107	.094	.085	.035	.031	.028	

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

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

UGR(Unified Glare Rating) Table

Test:U:120.9V I:0.3000A P:36.10W PF:0.9900 Freq:60.00Hz Lamp Flux:4724.5x1 lm										
NAME: 4FT					TYPE:4000K 2.8			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:1.12*0.045			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	18.7	19.7	19.3	20.2	20.8	18.5	19.4	19.1	20.0	20.6
3H	18.5	19.3	19.1	19.9	20.6	18.2	19.0	18.8	19.6	20.3
4H	18.3	19.1	19.0	19.7	20.4	18.1	18.9	18.7	19.5	20.2
6H	18.2	18.9	18.9	19.5	20.3	18.0	18.7	18.6	19.3	20.0
8H	18.1	18.8	18.8	19.5	20.2	17.9	18.6	18.6	19.2	20.0
12H	18.1	18.7	18.8	19.4	20.1	17.8	18.5	18.5	19.1	19.9
4H 2H	18.4	19.1	19.0	19.7	20.4	18.1	18.9	18.8	19.5	20.2
3H	18.1	18.7	18.8	19.4	20.1	17.8	18.5	18.5	19.1	19.9
4H	17.9	18.5	18.6	19.2	20.0	17.7	18.3	18.4	19.0	19.8
6H	17.8	18.3	18.5	19.0	19.8	17.6	18.1	18.3	18.8	19.6
8H	17.7	18.2	18.5	18.9	19.8	17.5	17.9	18.2	18.7	19.5
12H	17.7	18.1	18.4	18.8	19.7	17.4	17.8	18.2	18.6	19.5
8H 4H	17.7	18.2	18.5	18.9	19.8	17.5	17.9	18.2	18.7	19.5
6H	17.6	17.9	18.3	18.7	19.6	17.3	17.7	18.1	18.5	19.4
8H	17.5	17.8	18.3	18.6	19.5	17.2	17.6	18.0	18.4	19.3
12H	17.4	17.7	18.2	18.5	19.5	17.2	17.5	18.0	18.3	19.2
12H 4H	17.6	18.1	18.4	18.8	19.7	17.4	17.8	18.2	18.6	19.4
6H	17.5	17.8	18.3	18.6	19.5	17.2	17.6	18.0	18.4	19.3
8H	17.4	17.7	18.2	18.5	19.4	17.2	17.4	18.0	18.2	19.2
Variations with the observer position at spacings:										
S = 1.0H	+ 3.1 / -15.5					+ 2.7 / -15.7				
1.5H	+ 3.1 / -11.1					+ 3.5 / -11.6				
2.0H	+ 6.4 / -15.1					+ 6.2 / -13.5				

CIE Pub.117 Corrected 4725 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:120.9V I:0.3000A P:36.10W PF:0.9900 Freq:60.00Hz Lamp Flux:4724.5x1 lm		
NAME: 4FT	TYPE:4000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

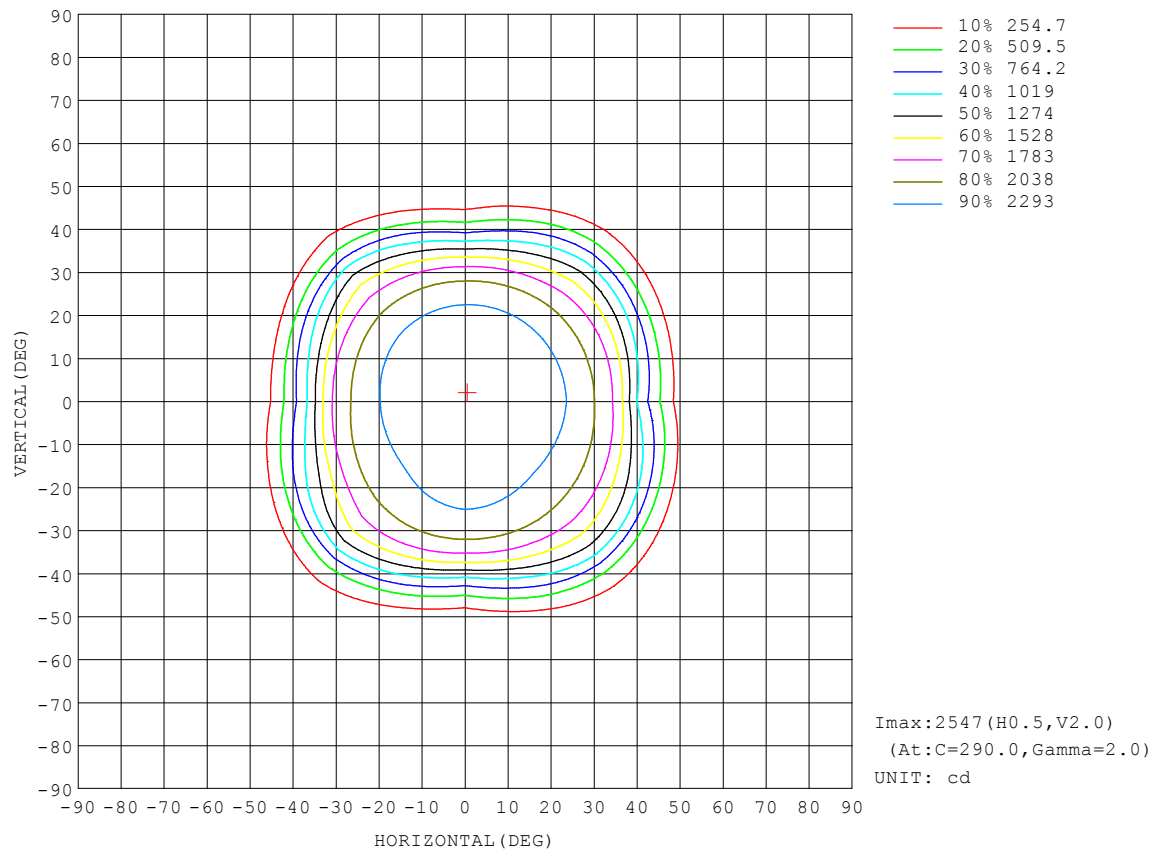
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	60	55	66	59	54	64	57	53	48
0.80	76	68	63	75	67	63	71	65	61	55
1.00	83	75	70	80	73	69	76	71	67	59
1.25	88	80	75	85	79	74	80	75	71	63
1.50	92	85	80	89	82	78	83	78	75	65
2.00	96	90	85	93	87	83	86	82	79	67
2.50	99	93	89	95	90	86	88	84	81	68
3.00	101	96	92	97	93	89	89	86	83	70
4.00	104	100	96	99	96	93	91	89	86	71
5.00	106	102	99	101	98	95	92	90	88	72
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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

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

ISOCANDELA DIAGRAM

Test:U:120.9V I:0.3000A P:36.10W PF:0.9900 Freq:60.00Hz Lamp Flux:4724.5x1 lm		
NAME: 4FT	TYPE:4000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

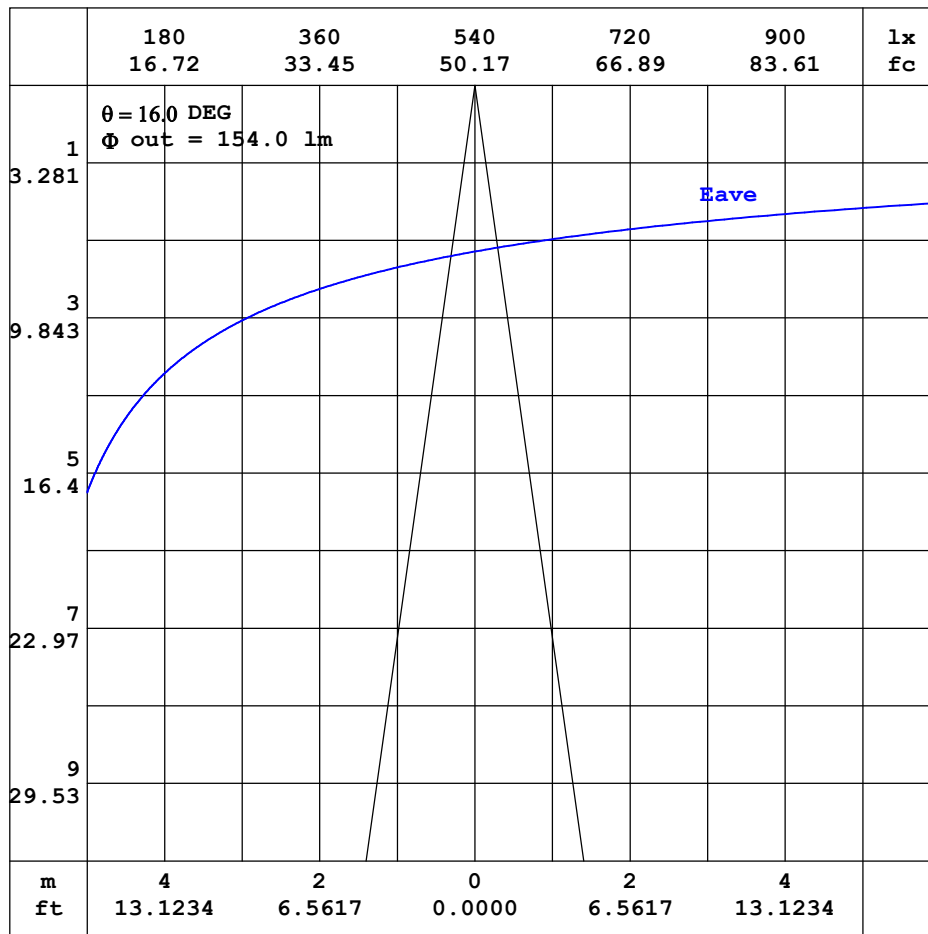


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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

AAI CURVES

Test:U:120.9V I:0.3000A P:36.10W PF:0.9900 Freq:60.00Hz Lamp Flux:4724.5x1 lm		
NAME: 4FT	TYPE:4000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



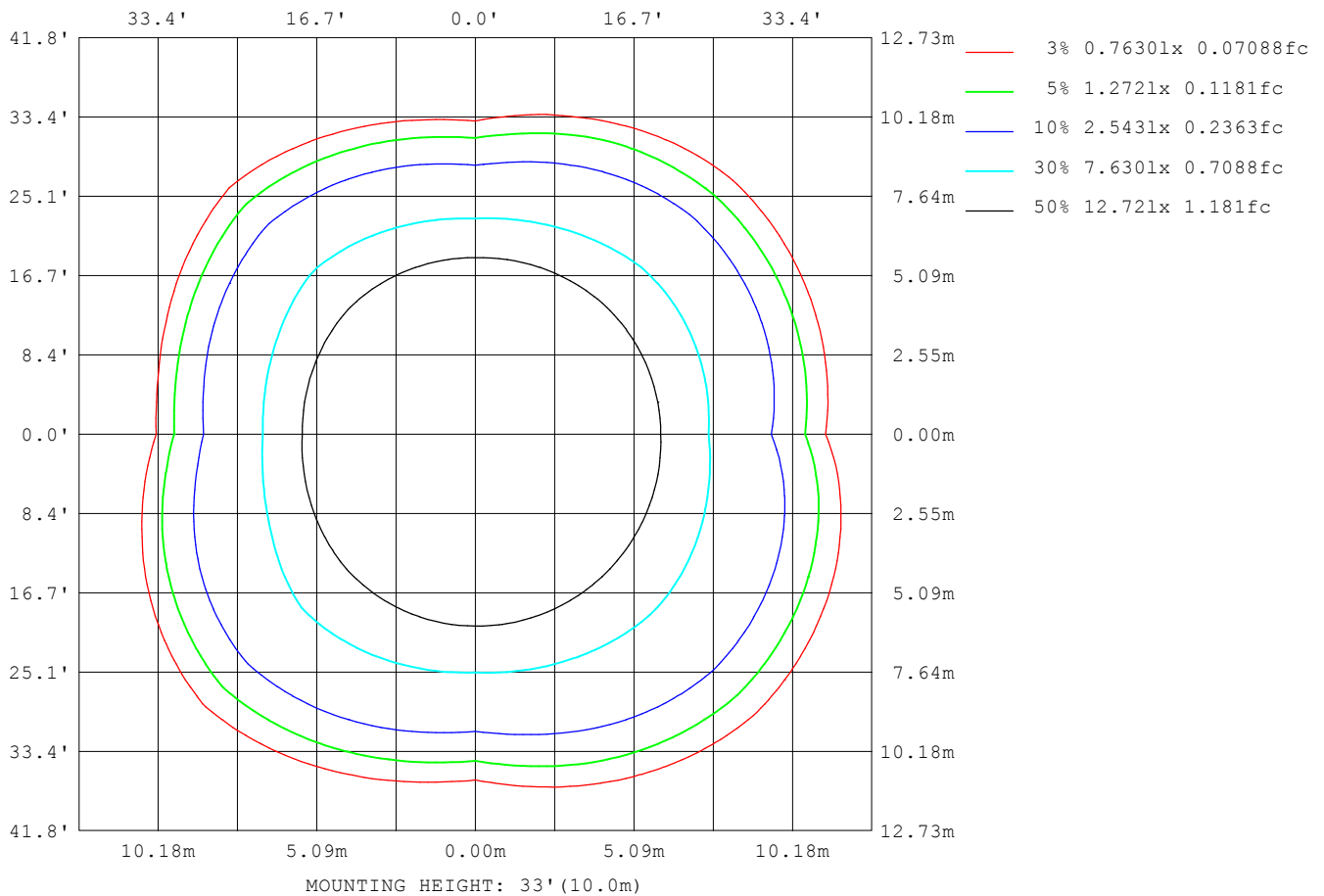
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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

ISOLUX DIAGRAM

Test:U:120.9V I:0.3000A P:36.10W PF:0.9900 Freq:60.00Hz Lamp Flux:4724.5x1 lm		
NAME: 4FT	TYPE:4000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



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

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

LED Avg.L Report

Test:U:120.9V I:0.3000A P:36.10W PF:0.9900 Freq:60.00Hz Lamp Flux:4724.5x1 lm		
NAME: 4FT	TYPE:4000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

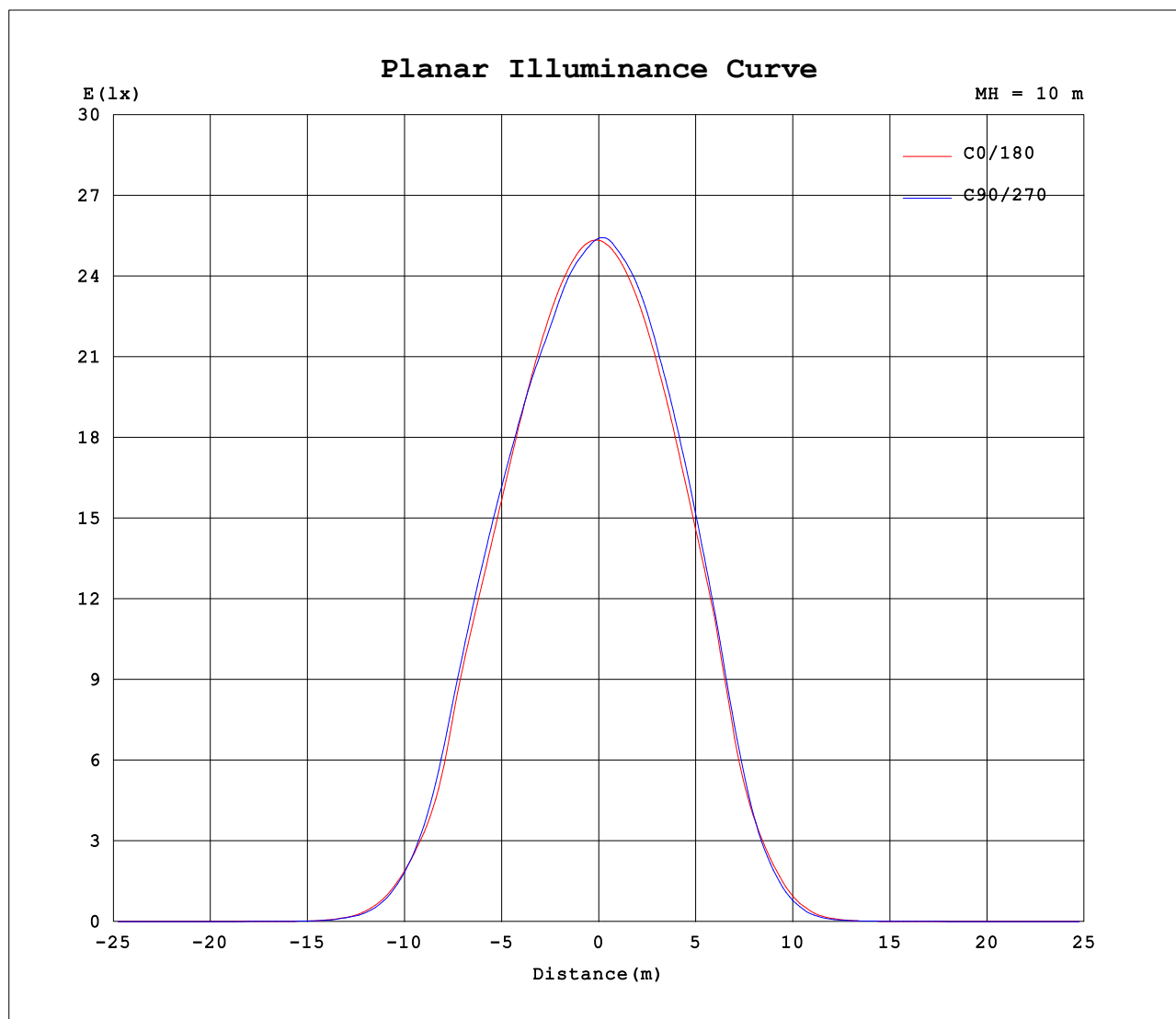
AvgL	cd/m2
L_0~180 (65) av	362
L_0~180 (75) av	361
L_0~180 (85) av	1603
L_90~270 (65) av	384
L_90~270 (75) av	404
L_90~270 (85) av	697
L_45 (65) av	391
L_45 (75) av	386
L_45 (85) av	821

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:0.3000A P:36.10W PF:0.9900 Freq:60.00Hz Lamp Flux:4724.5x1 lm																	
NAME: 4FT									TYPE:4000K 2.8						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:1.12*0.045						Shielding Angle:		

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2534	2534	2534	2534	2534	2535	2535	2535	2535	2536	2536	2537	2538	2538	2539	2539	2540	2540	2541
5	2533	2530	2527	2524	2522	2519	2517	2515	2513	2512	2510	2509	2508	2507	2506	2506	2505	2505	2505
10	2509	2505	2501	2498	2495	2492	2489	2486	2484	2482	2480	2478	2477	2475	2474	2473	2472	2471	2471
15	2463	2458	2453	2448	2444	2440	2436	2433	2429	2426	2424	2422	2420	2418	2417	2415	2414	2412	2411
20	2382	2374	2368	2362	2357	2353	2350	2347	2346	2345	2348	2352	2356	2361	2365	2369	2373	2375	2377
25	2248	2246	2244	2243	2243	2243	2244	2245	2247	2249	2255	2262	2268	2275	2281	2286	2290	2294	2295
30	2042	2050	2058	2065	2072	2079	2086	2092	2098	2104	2112	2119	2126	2132	2137	2141	2144	2145	2145
35	1718	1747	1773	1797	1817	1835	1850	1862	1872	1878	1877	1873	1867	1860	1851	1841	1831	1821	1811
40	1014	1117	1210	1291	1361	1419	1466	1502	1526	1539	1512	1475	1431	1383	1332	1281	1232	1187	1148
45	534	648	748	834	907	967	1013	1045	1065	1070	1026	970	907	838	768	698	631	570	518
50	163	227	284	334	375	409	435	453	463	466	439	406	368	328	286	245	205	169	139
55	28.2	58.3	84.7	108	127	143	155	164	169	170	159	144	127	109	90.1	71.5	53.9	37.9	24.2
60	11.0	18.4	24.9	30.6	35.3	39.2	42.3	44.4	45.7	46.1	43.2	39.7	35.6	31.2	26.6	22.1	17.7	13.7	10.3
65	8.35	8.63	8.87	9.08	9.26	9.41	9.52	9.60	9.65	9.67	9.58	9.47	9.34	9.19	9.02	8.85	8.68	8.51	8.34
70	6.38	6.42	6.47	6.50	6.54	6.57	6.61	6.64	6.66	6.69	6.72	6.75	6.78	6.80	6.82	6.83	6.83	6.83	6.82
75	4.68	4.78	4.88	4.97	5.04	5.12	5.18	5.24	5.29	5.34	5.37	5.40	5.42	5.43	5.44	5.44	5.44	5.42	5.40
80	3.28	3.41	3.53	3.64	3.75	3.84	3.92	4.00	4.06	4.12	4.15	4.18	4.20	4.21	4.22	4.21	4.21	4.20	4.19
85	10.9	9.68	8.52	7.47	6.51	5.65	4.88	4.21	3.64	3.17	2.93	2.79	2.83	2.86	2.89	2.90	2.95	3.09	3.25
90	71.1	66.1	61.1	56.4	51.7	47.2	42.9	38.7	34.7	30.8	26.8	22.9	19.2	15.8	12.6	9.62	6.96	4.60	2.59
95	143	141	138	135	131	126	120	114	108	100	88.9	77.3	65.5	53.7	42.2	31.2	20.8	11.5	3.28
100	184	182	180	177	173	168	162	155	147	138	124	109	94.0	79.0	64.3	50.4	37.5	26.1	16.4
105	209	210	209	208	205	201	195	189	181	172	156	140	123	106	89.0	73.2	58.6	45.7	34.9
110	250	250	249	246	242	237	231	223	214	204	187	169	150	132	114	96.6	81.0	67.1	55.6
115	295	292	287	282	276	269	260	251	240	229	210	191	172	152	134	117	101	87.8	76.8
120	325	320	314	307	299	290	281	271	259	247	228	209	190	171	153	136	121	108	98.3
125	346	339	332	323	315	305	295	284	273	261	242	223	205	187	170	154	140	129	120
130	353	346	338	330	321	311	302	291	280	269	251	234	217	200	185	171	159	150	143
135	350	343	335	327	319	310	302	292	283	273	258	242	228	213	200	189	179	172	167
140	345	338	330	323	315	307	299	291	283	274	261	248	236	225	214	205	198	192	189
145	338	331	324	317	309	302	295	288	281	274	264	254	244	235	228	221	216	213	212
150	321	316	310	305	300	295	289	284	279	274	267	260	253	247	241	237	234	233	233
155	311	306	302	298	294	290	286	282	279	275	270	266	261	257	254	252	251	251	252
160	300	297	294	291	289	286	284	281	279	278	275	272	270	268	266	265	265	266	268
165	293	291	289	288	286	285	284	283	282	281	280	279	278	278	277	278	278	280	281
170	291	289	289	288	287	287	286	286	286	286	286	286	286	286	287	288	289	290	292
175	293	293	292	292	292	292	292	292	292	292	292	293	293	294	295	296	296	297	298
180	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297

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:0.3000A P:36.10W PF:0.9900 Freq:60.00Hz Lamp Flux:4724.5x1 lm		
NAME: 4FT	TYPE:4000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2541	2541	2542	2542	2542	2542	2542	2541	2541	2540	2540	2539	2538	2537	2536	2535	2535	2534	2534
5	2505	2505	2505	2505	2505	2505	2505	2506	2506	2506	2507	2507	2507	2508	2508	2509	2510	2511	2513
10	2470	2469	2468	2467	2466	2466	2465	2465	2464	2464	2464	2464	2465	2465	2466	2466	2467	2469	2470
15	2410	2408	2407	2405	2404	2403	2401	2400	2399	2398	2397	2397	2396	2396	2396	2397	2397	2399	2402
20	2371	2364	2357	2348	2340	2331	2322	2313	2305	2300	2295	2292	2289	2286	2285	2284	2284	2285	2289
25	2290	2284	2276	2267	2257	2247	2235	2223	2211	2197	2183	2170	2157	2144	2133	2123	2115	2108	2111
30	2141	2135	2127	2118	2107	2095	2082	2067	2050	2026	2000	1975	1949	1925	1902	1881	1862	1846	1849
35	1818	1825	1831	1835	1837	1835	1828	1817	1800	1738	1672	1603	1533	1464	1399	1339	1285	1242	1263
40	1179	1217	1258	1300	1342	1380	1412	1436	1449	1376	1293	1203	1109	1015	922	835	756	689	715
45	551	593	641	692	745	795	841	880	908	854	789	717	640	560	481	404	333	270	277
50	156	179	206	236	266	295	323	346	365	339	307	272	234	195	155	118	82.6	51.6	56.8
55	32.5	43.3	55.8	69.5	83.7	97.8	111	123	132	123	111	97.9	83.4	68.2	52.9	38.1	24.2	11.8	13.4
60	11.9	14.1	16.7	19.6	22.6	25.6	28.5	31.1	33.3	31.6	29.4	26.8	23.9	20.9	17.8	14.7	11.7	8.98	8.54
65	8.29	8.25	8.22	8.19	8.17	8.14	8.12	8.08	8.05	7.92	7.80	7.66	7.53	7.40	7.28	7.16	7.06	6.97	6.95
70	6.77	6.72	6.66	6.60	6.53	6.45	6.37	6.30	6.22	6.14	6.06	5.98	5.91	5.84	5.78	5.72	5.67	5.64	5.63
75	5.37	5.33	5.28	5.23	5.18	5.13	5.07	5.02	4.97	4.92	4.88	4.84	4.81	4.77	4.74	4.71	4.69	4.66	4.63
80	4.19	4.18	4.17	4.16	4.15	4.14	4.12	4.10	4.08	4.05	4.02	3.98	3.95	3.91	3.87	3.84	3.80	3.76	3.72
85	3.28	3.31	3.35	3.38	3.40	3.43	3.45	3.46	3.47	3.44	3.40	3.36	3.31	3.26	3.21	3.15	3.10	3.04	3.00
90	2.35	2.36	2.35	2.34	2.31	2.27	2.22	2.56	3.11	2.98	2.85	2.73	2.62	2.54	2.49	2.49	2.54	2.66	3.32
95	2.06	2.07	3.11	5.02	7.59	10.6	14.0	17.4	20.8	20.5	20.0	19.4	18.8	18.1	17.6	17.2	17.0	17.1	20.3
100	17.5	20.3	24.6	30.1	36.4	43.3	50.4	57.3	63.9	63.7	62.9	61.7	60.2	58.5	56.9	55.3	54.0	53.2	57.2
105	36.6	40.4	46.0	53.0	61.1	69.9	79.1	88.3	97.2	99.8	102	103	104	105	106	106	106	106	109
110	57.8	62.4	68.9	77.0	86.3	96.5	107	118	128	132	135	138	140	142	143	145	145	146	149
115	80.1	86.0	94.0	104	115	126	139	151	163	167	171	174	176	178	180	181	181	182	185
120	103	111	121	132	145	158	172	186	200	205	209	212	215	217	218	219	220	220	223
125	127	136	148	161	175	190	206	221	236	242	247	251	254	257	259	260	261	261	264
130	151	161	174	188	204	220	237	253	269	276	282	288	292	295	298	300	301	301	304
135	176	187	200	215	231	247	264	281	297	305	313	319	325	329	333	336	337	339	340
140	199	210	223	238	254	270	287	303	319	328	337	344	351	356	361	364	366	368	369
145	221	231	244	258	272	287	303	318	333	343	352	360	367	374	379	383	386	388	388
150	241	251	262	274	286	300	313	326	339	349	359	367	375	381	387	392	395	398	397
155	259	267	276	286	296	307	318	329	340	349	358	365	372	379	384	389	392	394	393
160	273	280	287	295	303	311	319	328	336	343	350	356	362	367	372	375	378	380	378
165	285	290	295	301	306	312	318	324	329	334	339	343	347	350	353	356	358	359	358
170	294	297	300	304	307	310	314	317	320	323	326	328	330	332	334	335	336	336	336
175	300	301	303	304	306	307	308	310	311	312	313	314	314	315	315	316	316	316	316
180	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297

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:0.3000A P:36.10W PF:0.9900 Freq:60.00Hz Lamp Flux:4724.5x1 lm																		
NAME: 4FT									TYPE:4000K 2.8					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:1.12*0.045					Shielding Angle:				

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	2534	2534	2534	2534	2535	2535	2535	2536	2536	2537	2538	2538	2539	2539	2540	2540	2541	2541	2541
5	2515	2518	2520	2522	2524	2527	2529	2531	2532	2533	2534	2534	2535	2535	2536	2536	2536	2537	2537
10	2473	2475	2477	2480	2482	2485	2488	2491	2494	2497	2501	2504	2507	2509	2512	2514	2516	2516	2515
15	2405	2409	2413	2417	2421	2426	2430	2435	2439	2443	2447	2450	2454	2457	2460	2463	2465	2466	2466
20	2294	2300	2306	2312	2318	2325	2331	2338	2342	2345	2348	2351	2354	2356	2358	2360	2362	2364	2365
25	2115	2120	2127	2135	2143	2152	2161	2170	2174	2178	2181	2185	2188	2190	2193	2195	2198	2200	2203
30	1855	1863	1873	1884	1896	1909	1920	1931	1928	1924	1920	1914	1909	1904	1900	1896	1894	1903	1913
35	1294	1332	1375	1421	1467	1512	1554	1590	1568	1541	1509	1475	1440	1406	1374	1346	1325	1350	1382
40	752	798	850	906	962	1016	1065	1106	1065	1017	963	905	848	792	742	698	664	709	763
45	292	314	341	371	403	434	463	488	461	429	395	359	325	292	263	239	223	260	304
50	66.4	79.6	95.3	113	130	148	164	178	165	149	132	114	95.8	78.6	63.0	49.9	40.0	56.0	75.2
55	16.8	21.5	27.1	33.5	40.1	46.6	52.7	58.0	53.8	48.6	43.0	37.0	30.9	25.2	19.9	15.5	12.1	17.8	24.6
60	8.39	8.48	8.78	9.24	9.81	10.4	11.1	11.8	11.5	11.2	10.8	10.5	10.2	9.92	9.71	9.57	9.54	10.3	11.2
65	6.96	6.98	7.01	7.05	7.10	7.16	7.23	7.30	7.36	7.43	7.50	7.56	7.63	7.69	7.76	7.82	7.88	7.91	7.93
70	5.64	5.65	5.67	5.70	5.73	5.78	5.82	5.87	5.94	6.00	6.06	6.13	6.20	6.26	6.32	6.38	6.43	6.46	6.48
75	4.61	4.59	4.58	4.57	4.56	4.56	4.57	4.58	4.62	4.67	4.72	4.77	4.83	4.88	4.94	4.99	5.04	5.07	5.10
80	3.68	3.64	3.60	3.57	3.54	3.52	3.50	3.49	3.51	3.54	3.58	3.62	3.66	3.70	3.74	3.78	3.82	3.84	3.86
85	2.95	2.91	2.87	2.84	2.81	2.78	2.75	2.74	2.70	2.66	2.64	2.63	2.63	2.65	2.69	2.75	2.83	2.93	3.06
90	4.02	4.75	5.47	6.16	6.80	7.36	7.80	8.12	6.33	4.50	2.75	1.20	0.74	0.52	0.31	0.14	0.67	6.98	14.0
95	23.6	27.1	30.6	33.9	37.1	39.8	42.1	43.7	39.4	34.7	29.7	24.8	20.2	16.2	13.1	11.1	10.5	18.9	28.7
100	61.6	66.2	70.8	75.2	79.2	82.6	85.2	86.9	80.2	72.7	64.7	56.7	49.0	41.9	35.7	31.0	27.9	35.8	45.4
105	111	114	116	118	119	119	119	118	109	99.7	90.1	80.7	71.7	63.7	56.8	51.6	48.4	57.6	68.8
110	151	153	154	155	156	155	154	152	142	131	120	108	98.0	88.5	80.3	73.9	69.6	78.5	89.5
115	188	190	192	193	193	193	191	188	177	164	152	139	127	115	105	97.2	91.3	98.8	109
120	226	229	231	232	232	231	229	226	213	199	184	170	156	142	131	121	113	120	128
125	267	269	270	270	270	268	265	261	246	231	215	199	184	169	156	145	136	140	148
130	306	307	307	306	304	301	297	291	276	260	243	227	210	195	180	168	158	162	167
135	341	341	340	338	334	330	324	317	301	285	268	251	234	219	204	191	181	183	187
140	368	367	365	361	356	351	344	335	320	304	288	271	255	240	226	213	203	203	206
145	387	384	381	376	370	363	355	346	332	317	302	287	272	258	245	234	224	223	224
150	395	391	387	381	375	367	359	350	337	325	312	299	286	274	263	253	244	243	243
155	390	387	382	377	370	363	356	347	337	327	317	306	296	287	278	269	262	260	259
160	376	373	369	364	359	353	347	340	333	325	318	310	303	296	289	283	278	276	274
165	356	353	351	347	343	339	335	330	326	321	316	311	306	302	297	293	290	288	286
170	334	333	331	329	327	325	322	319	317	314	312	309	307	304	302	299	297	296	295
175	315	314	314	313	312	311	310	309	308	307	306	305	305	304	303	302	301	301	300
180	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297

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:0.3000A P:36.10W PF:0.9900 Freq:60.00Hz Lamp Flux:4724.5x1 lm																	
NAME: 4FT									TYPE:4000K 2.8						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:1.12*0.045						Shielding Angle:		

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2542	2542	2542	2542	2542	2541	2541	2541	2540	2540	2539	2538	2537	2536	2535				
5	2537	2538	2538	2538	2538	2538	2538	2538	2538	2537	2537	2536	2536	2535	2534				
10	2515	2514	2512	2511	2510	2509	2507	2507	2507	2507	2507	2507	2507	2508	2508				
15	2466	2466	2466	2465	2465	2464	2463	2463	2463	2463	2463	2463	2463	2463	2463				
20	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2378	2379	2380	2381				
25	2206	2208	2211	2213	2216	2219	2221	2224	2227	2230	2233	2236	2239	2242	2245				
30	1924	1936	1948	1961	1974	1987	1999	2007	2014	2021	2026	2031	2035	2038	2041				
35	1419	1460	1503	1547	1592	1635	1676	1696	1712	1724	1733	1737	1738	1735	1728				
40	826	893	962	1032	1100	1164	1220	1235	1240	1236	1222	1199	1167	1125	1074				
45	353	405	460	514	566	615	659	673	680	680	673	659	638	611	576				
50	96.9	120	144	169	192	214	233	238	240	239	234	226	215	201	183				
55	32.1	40.0	48.1	56.1	63.6	70.3	75.9	76.1	74.9	72.4	68.5	63.2	56.5	48.4	39.0				
60	12.2	13.1	14.1	15.0	15.8	16.6	17.2	17.2	17.0	16.6	16.1	15.4	14.6	13.6	12.4				
65	7.96	7.98	8.00	8.02	8.03	8.05	8.07	8.09	8.12	8.15	8.18	8.21	8.25	8.28	8.32				
70	6.50	6.51	6.52	6.53	6.53	6.53	6.52	6.52	6.51	6.50	6.49	6.47	6.45	6.43	6.41				
75	5.11	5.13	5.14	5.14	5.14	5.13	5.11	5.09	5.06	5.02	4.98	4.94	4.88	4.82	4.75				
80	3.88	3.89	3.89	3.89	3.88	3.87	3.85	3.81	3.77	3.72	3.67	3.61	3.53	3.46	3.37				
85	3.22	3.41	3.64	3.90	4.21	4.55	4.95	5.42	5.94	6.51	7.13	7.79	8.50	9.26	10.1				
90	21.6	29.5	37.6	45.7	53.5	61.0	67.8	71.4	74.1	76.0	77.2	77.6	77.1	75.9	73.9				
95	39.5	51.2	63.4	75.9	88.4	100	112	119	125	130	134	138	140	142	143				
100	56.5	68.7	81.7	95.2	109	122	136	144	151	158	164	170	174	178	181				
105	81.5	95.6	110	126	141	156	171	179	187	193	198	202	205	208	209				
110	102	117	132	148	164	180	196	205	214	222	229	235	240	244	247				
115	120	134	148	164	180	197	213	224	234	245	254	263	272	280	288				
120	139	152	166	181	197	213	230	241	253	264	275	285	296	306	316				
125	157	169	182	196	211	227	243	254	266	278	289	300	312	323	334				
130	175	185	197	210	224	238	253	264	275	286	297	308	319	331	342				
135	194	202	212	223	235	248	261	270	280	289	299	309	319	329	339				
140	211	217	225	234	244	254	265	273	282	290	299	308	317	326	335				
145	227	232	237	244	252	260	269	275	282	289	297	304	312	320	329				
150	244	247	250	255	260	266	272	276	281	286	291	297	302	309	315				
155	259	260	262	265	268	271	275	278	281	285	288	292	296	301	306				
160	273	273	274	274	276	277	279	281	282	284	286	289	291	294	297				
165	285	284	283	283	283	283	284	284	285	285	286	287	288	290	291				
170	293	292	291	291	290	289	289	289	289	289	289	289	289	289	290				
175	299	298	298	297	296	296	295	295	294	294	294	294	293	293	293				
180	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297				

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: