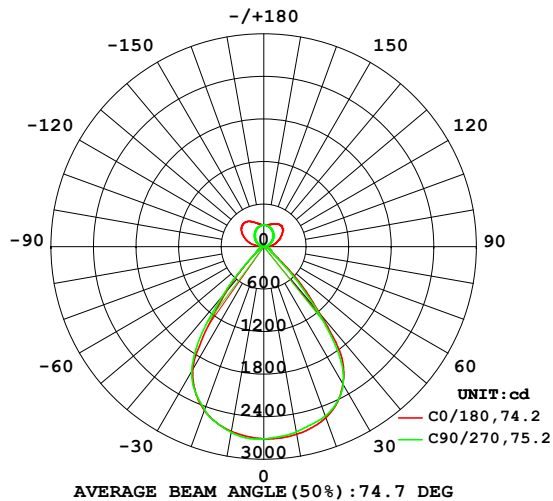


LUMINAIRE PHOTOMETRIC TEST REPORT

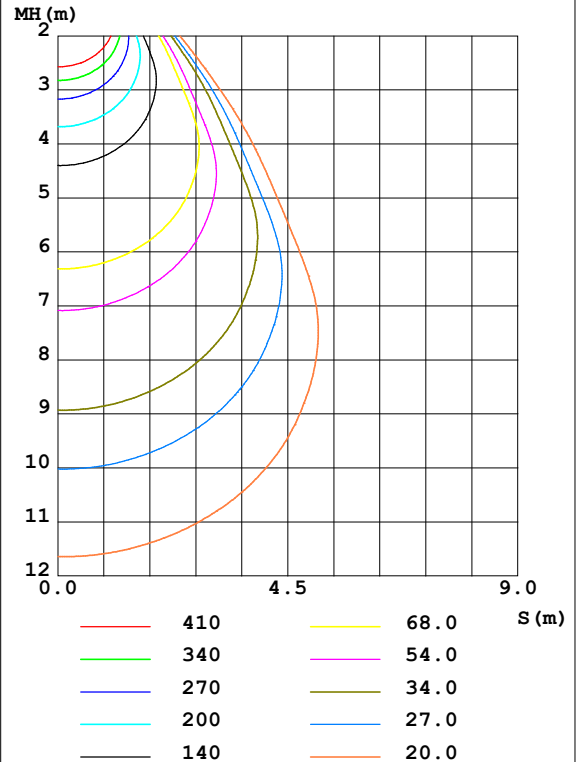
Test:U:120.8V I:0.3040A P:36.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5359.28x1 lm		
NAME: 4FT	TYPE:4000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.43 lm/W			
MODEL		I _{max} (cd)	2720	S/MH(C0/180)	1.13
NOMINAL POWER(W)	36W	LOR(%)	100.0	S/MH(C90/270)	1.06
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	5359.3	η UP,DN(C0-180)	12.4,39.3
NOMINAL FLUX(lm)	5359.28	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	12.7,35.6
LAMPS INSIDE	1	η up(%)	25.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.0	η down(%)	74.9	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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

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

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

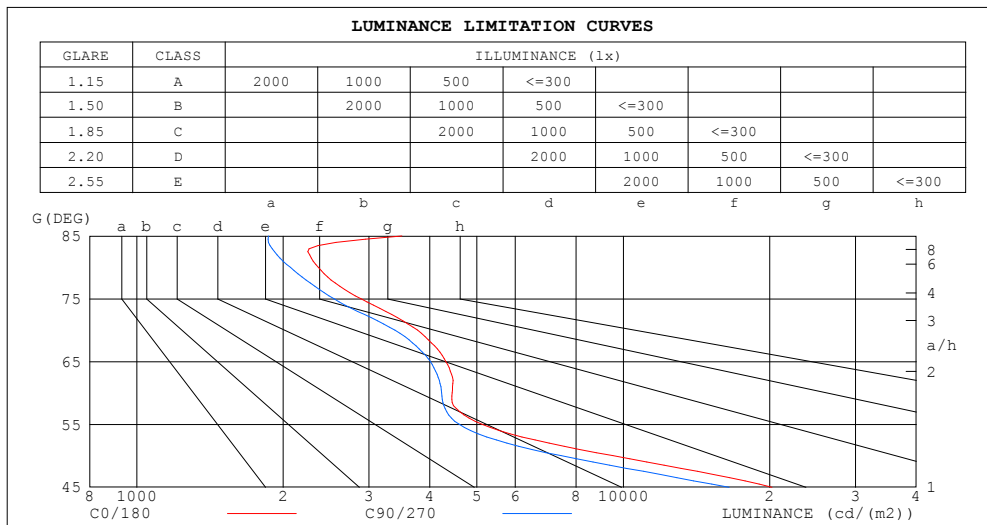
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2686	2668	2653	2647	2645	2661	2658	2676	0- 10	256.6	256.6	4.79,4.79
20	2566	2530	2541	2488	2456	2455	2446	2489	10- 20	731.3	987.8	18.4,18.4
30	2237	2273	2241	2191	2004	2028	2037	2109	20- 30	1079	2066	38.6,38.6
40	1228	1680	1153	1519	811.7	1217	902.2	1412	30- 40	1085	3151	58.8,58.8
50	306.1	569.0	239.3	437.4	170.4	307.3	177.2	392.7	40- 50	570.7	3722	69.4,69.4
60	111.2	146.7	105.8	120.2	97.07	100.0	100.1	113.2	50- 60	168.7	3891	72.6,72.6
70	64.59	62.69	58.04	54.10	42.67	45.14	47.69	52.27	60- 70	79.96	3971	74.1,74.1
80	20.50	20.76	17.96	16.67	11.60	12.96	13.69	16.13	70- 80	33.72	4004	74.7,74.7
90	37.90	19.86	1.612	2.724	1.316	11.17	0.2623	37.36	80- 90	11.12	4015	74.9,74.9
100	128.6	93.15	23.39	125.7	116.4	138.5	29.22	108.5	90-100	56.18	4072	76,76
110	201.3	163.9	67.42	219.7	253.9	220.3	72.82	180.0	100-110	143.0	4215	78.6,78.6
120	281.2	231.0	114.5	295.0	347.4	284.2	118.1	246.4	110-120	205.2	4420	82.5,82.5
130	351.4	275.0	163.3	341.6	414.0	323.1	164.2	288.8	120-130	238.5	4658	86.9,86.9
140	384.1	297.7	208.2	353.9	437.4	334.7	209.5	308.2	130-140	235.4	4894	91.3,91.3
150	372.4	305.8	247.8	344.4	412.8	330.2	249.4	311.8	140-150	200.5	5094	95.1,95.1
160	339.8	306.9	278.0	327.7	363.8	319.5	281.4	309.0	150-160	147.4	5241	97.8,97.8
170	313.7	306.6	298.8	313.8	322.1	310.3	300.4	305.6	160-170	88.44	5330	99.5,99.5
180	302.1	302.1	302.1	302.1	302.1	302.1	302.1	302.1	170-180	29.37	5359	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:0.3040A P:36.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5359.28x1 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	3506	1865
80	2361	2069
75	2888	2542
70	3777	3394
65	4319	4013
60	4449	4233
55	5126	4600
50	9523	7446
45	20206	16501

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:

```

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:0.3040A P:36.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5359.28x1 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	.221	.126	.040	.207	.118	.037	.180	.103	.033	.155	.089	.029	.132	.077	.025		
2.0	.211	.115	.035	.198	.109	.034	.174	.097	.030	.151	.085	.027	.131	.074	.023		
3.0	.199	.106	.032	.188	.101	.030	.166	.090	.027	.146	.080	.025	.127	.070	.022		
4.0	.188	.098	.029	.178	.093	.027	.158	.084	.025	.140	.075	.023	.123	.067	.020		
5.0	.178	.091	.026	.168	.086	.025	.150	.078	.023	.133	.070	.021	.118	.063	.019		
6.0	.168	.084	.024	.159	.081	.023	.143	.073	.021	.127	.066	.019	.113	.059	.018		
7.0	.159	.079	.022	.151	.075	.021	.136	.069	.020	.122	.062	.018	.108	.056	.017		
8.0	.151	.074	.021	.144	.071	.020	.130	.065	.018	.116	.059	.017	.104	.053	.016		
9.0	.144	.069	.019	.137	.067	.019	.124	.061	.017	.111	.056	.016	.100	.051	.015		
10.0	.137	.065	.018	.130	.063	.018	.118	.058	.016	.107	.053	.015	.096	.048	.014		

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	.382	.382	.382	.326	.326	.326	.223	.223	.223	.128	.128	.128	.041	.041	.041	
1.0	.367	.350	.334	.314	.300	.287	.215	.206	.199	.124	.119	.116	.040	.038	.037	
2.0	.355	.326	.302	.304	.281	.261	.209	.194	.182	.120	.113	.107	.039	.037	.035	
3.0	.346	.309	.279	.296	.266	.242	.204	.185	.170	.118	.108	.100	.038	.035	.033	
4.0	.338	.295	.263	.290	.255	.229	.199	.178	.161	.115	.104	.095	.037	.034	.031	
5.0	.330	.285	.251	.284	.247	.219	.195	.172	.154	.113	.101	.092	.036	.033	.030	
6.0	.324	.277	.243	.278	.240	.211	.192	.168	.150	.111	.099	.089	.036	.032	.029	
7.0	.318	.270	.236	.274	.234	.206	.189	.164	.146	.110	.097	.087	.035	.032	.029	
8.0	.313	.264	.231	.269	.229	.201	.186	.161	.143	.108	.095	.085	.035	.031	.028	
9.0	.308	.260	.227	.265	.225	.198	.184	.158	.141	.107	.094	.084	.035	.031	.028	
10.0	.303	.256	.224	.261	.222	.195	.181	.156	.139	.106	.092	.083	.034	.030	.027	

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:0.3040A P:36.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5359.28x1 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	19.5	20.5	20.1	21.0	21.7	18.9	19.9	19.5	20.4	21.0
3H	19.4	20.3	20.1	20.9	21.5	18.8	19.7	19.4	20.3	20.9
4H	19.4	20.2	20.0	20.8	21.5	18.8	19.6	19.4	20.2	20.9
6H	19.3	20.0	19.9	20.6	21.4	18.7	19.4	19.3	20.0	20.8
8H	19.2	19.9	19.9	20.6	21.3	18.6	19.3	19.3	20.0	20.7
12H	19.2	19.9	19.8	20.5	21.3	18.5	19.2	19.2	19.9	20.6
4H 2H	19.3	20.1	19.9	20.7	21.4	18.7	19.5	19.3	20.1	20.8
3H	19.2	19.9	19.9	20.5	21.3	18.6	19.3	19.3	20.0	20.7
4H	19.2	19.8	19.9	20.4	21.2	18.6	19.2	19.3	19.9	20.7
6H	19.1	19.6	19.8	20.3	21.2	18.5	19.0	19.2	19.7	20.6
8H	19.0	19.5	19.8	20.3	21.1	18.5	18.9	19.2	19.7	20.5
12H	19.0	19.4	19.8	20.2	21.1	18.4	18.8	19.2	19.6	20.5
8H 4H	19.0	19.5	19.7	20.2	21.1	18.4	18.9	19.2	19.6	20.5
6H	18.9	19.3	19.7	20.1	21.0	18.4	18.8	19.1	19.5	20.4
8H	18.9	19.3	19.7	20.0	21.0	18.3	18.7	19.1	19.5	20.4
12H	18.9	19.2	19.7	20.0	20.9	18.3	18.6	19.1	19.4	20.3
12H 4H	18.9	19.4	19.7	20.1	21.0	18.4	18.8	19.1	19.5	20.4
6H	18.9	19.2	19.7	20.0	20.9	18.3	18.7	19.1	19.4	20.4
8H	18.9	19.1	19.7	19.9	20.9	18.3	18.6	19.1	19.4	20.3
Variations with the observer position at spacings:										
S = 1.0H	+ 2.4 / - 5.1					+ 2.4 / - 5.1				
1.5H	+ 2.6 / - 5.0					+ 2.7 / - 5.2				
2.0H	+ 4.8 / - 3.9					+ 4.0 / - 3.2				

CIE Pub.117 Corrected 5359 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.8)

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:0.3040A P:36.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5359.28x1 lm		
NAME: 4FT	TYPE:4000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

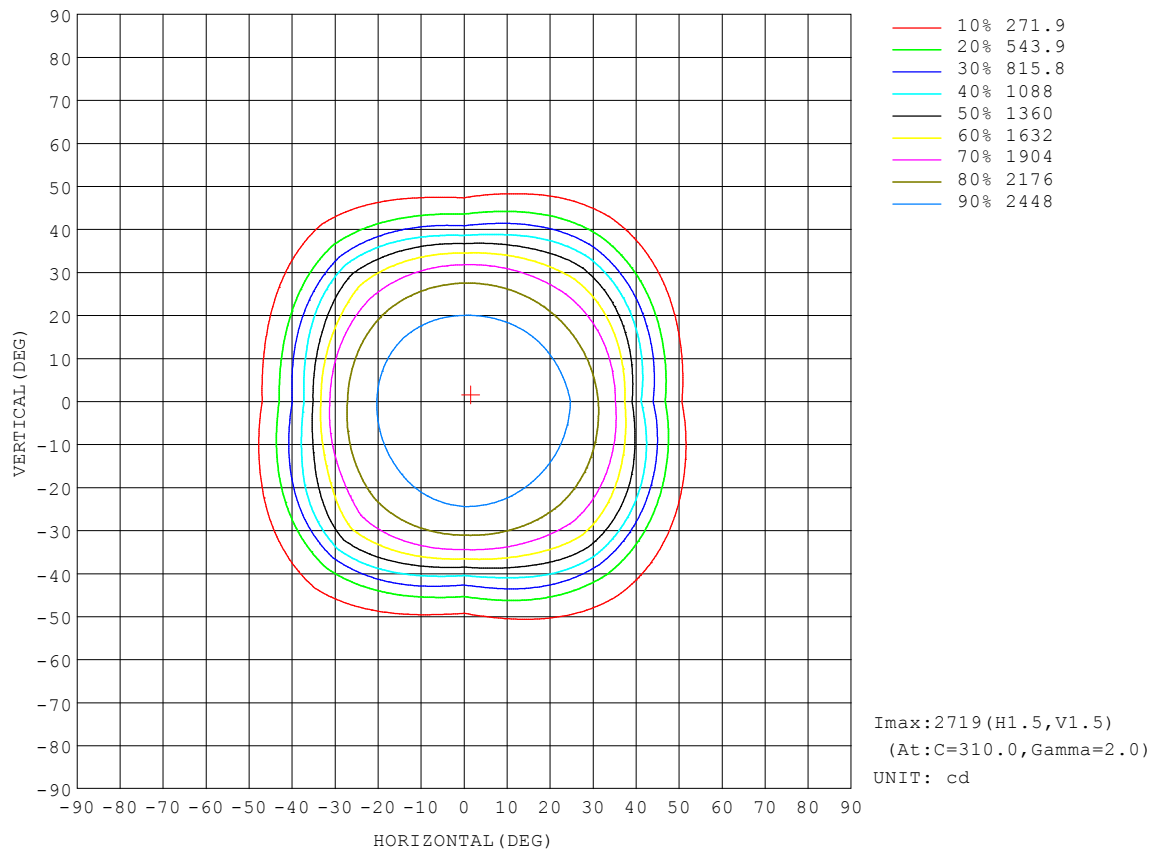
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	66	57	52	64	56	52	62	55	51	45
0.80	75	66	61	73	65	60	69	63	58	52
1.00	81	73	67	79	71	66	75	69	64	57
1.25	87	79	73	84	77	72	79	73	69	61
1.50	91	83	78	87	81	76	82	77	73	63
2.00	95	89	84	92	86	82	85	81	78	66
2.50	98	92	88	94	89	85	87	83	80	67
3.00	101	95	91	97	92	88	89	86	83	69
4.00	104	99	96	99	95	92	91	88	86	71
5.00	105	102	99	101	98	95	92	90	88	71
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:0.3040A P:36.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5359.28x1 lm		
NAME: 4FT	TYPE:4000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

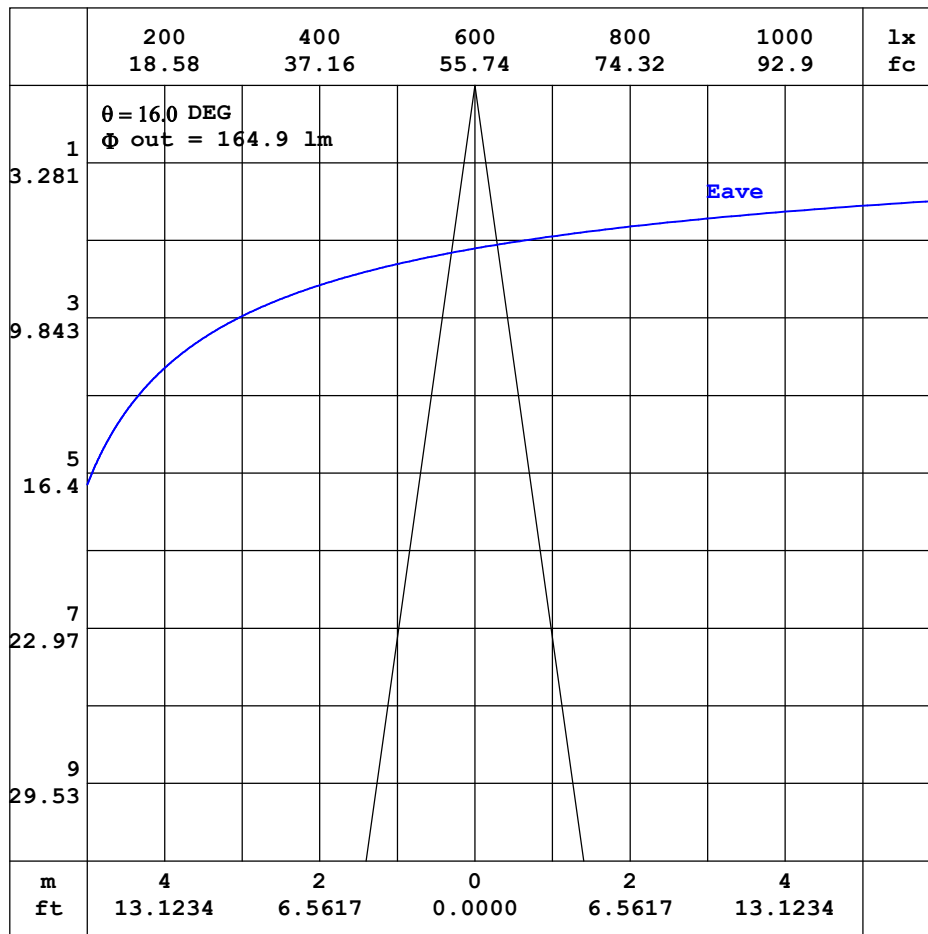


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.8V I:0.3040A P:36.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5359.28x1 lm		
NAME: 4FT	TYPE:4000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



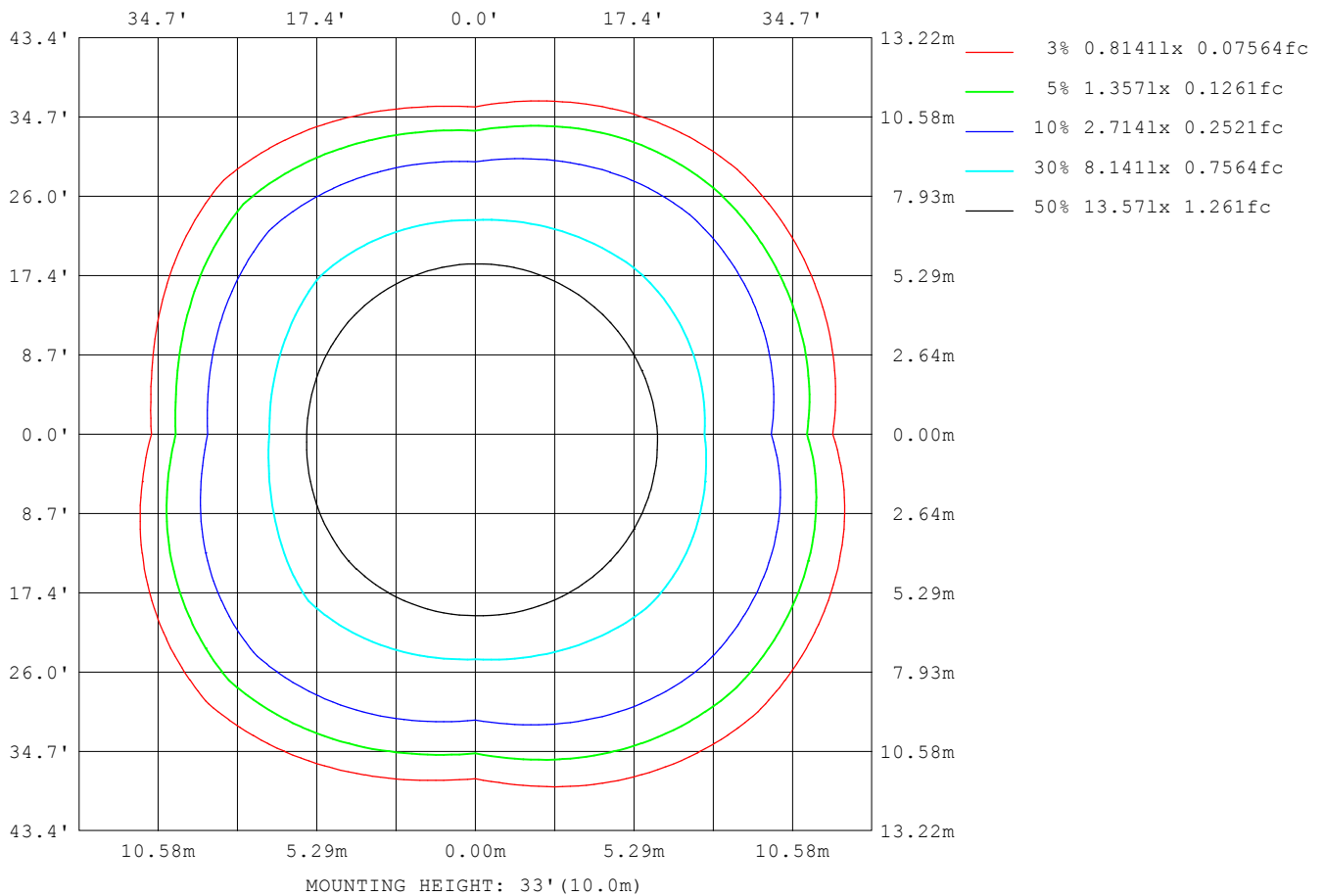
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.8V I:0.3040A P:36.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5359.28x1 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:120.8V I:0.3040A P:36.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5359.28x1 lm		
NAME: 4FT	TYPE:4000K 2.8	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

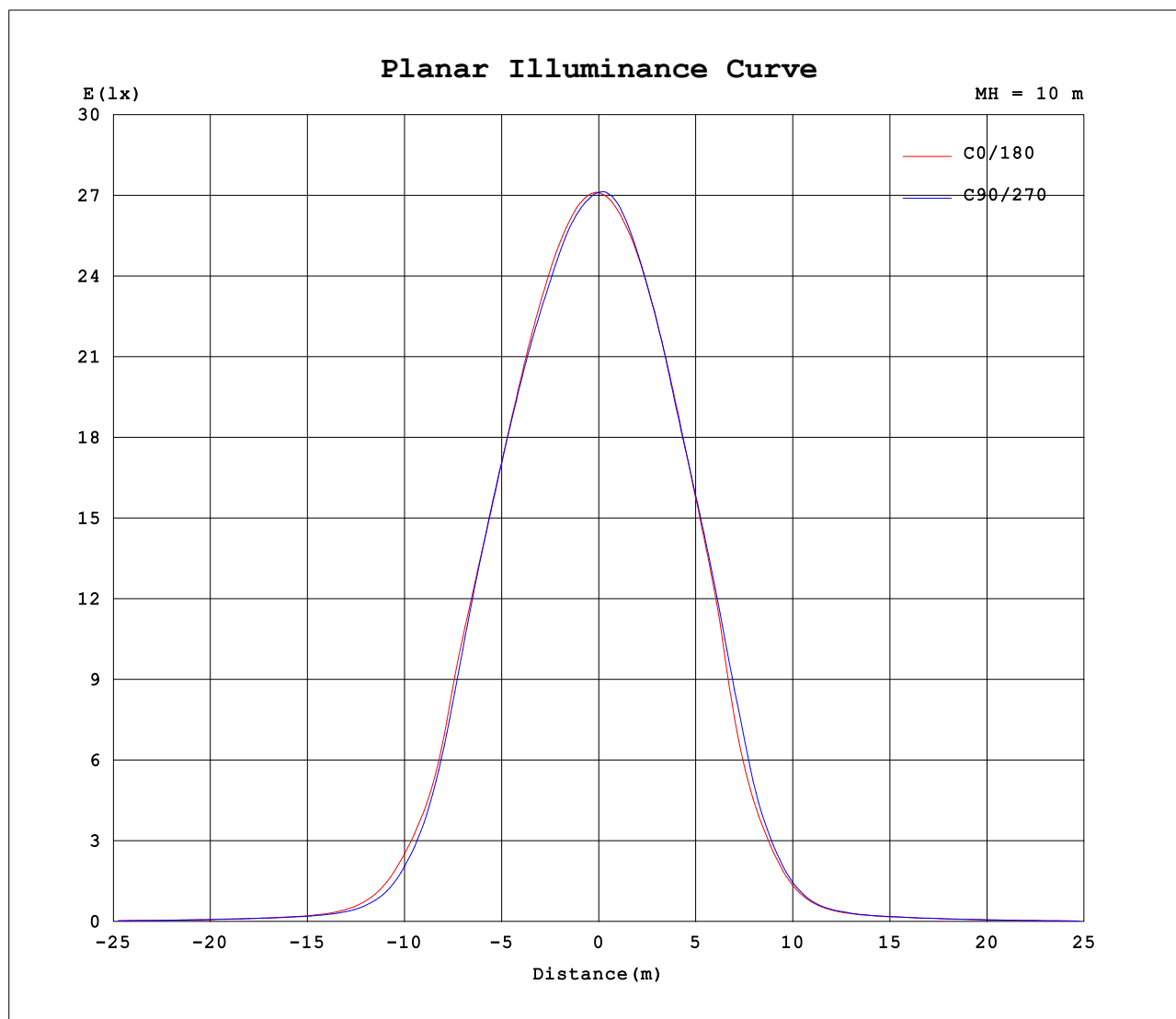
AvgL	cd/m2
L_0~180 (65) av	3840
L_0~180 (75) av	2345
L_0~180 (85) av	2186
L_90~270 (65) av	3806
L_90~270 (75) av	2299
L_90~270 (85) av	1468
L_45 (65) av	3785
L_45 (75) av	2413
L_45 (85) av	1790

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:0.3040A P:36.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5359.28x1 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	2710	2711	2711	2711	2711	2711	2711	2711	2711	2711	2711	2711	2711	2711	2711	2710	2710	2710	2710
5	2709	2708	2707	2706	2705	2704	2703	2702	2700	2699	2698	2697	2695	2694	2693	2691	2690	2689	2688
10	2686	2684	2682	2679	2677	2675	2673	2672	2670	2668	2666	2664	2662	2660	2659	2657	2656	2654	2653
15	2641	2636	2632	2628	2625	2621	2618	2615	2612	2610	2608	2606	2604	2603	2601	2600	2599	2598	2597
20	2566	2560	2554	2549	2544	2540	2537	2534	2531	2530	2531	2532	2534	2536	2537	2539	2540	2541	2541
25	2439	2437	2436	2435	2434	2434	2433	2432	2432	2432	2432	2433	2434	2435	2435	2435	2435	2434	2432
30	2237	2244	2251	2257	2262	2266	2269	2271	2273	2273	2272	2270	2268	2264	2261	2256	2252	2246	2241
35	1922	1949	1972	1992	2008	2021	2029	2034	2035	2033	2016	1996	1974	1951	1927	1903	1880	1859	1841
40	1228	1326	1413	1487	1549	1600	1638	1664	1678	1680	1635	1581	1520	1455	1388	1322	1259	1202	1153
45	714	818	908	985	1049	1100	1138	1163	1176	1175	1124	1063	995	922	847	773	702	638	583
50	306	365	416	460	496	525	547	562	569	569	541	507	470	429	387	346	306	270	239
55	147	175	199	220	237	251	262	270	274	275	263	249	233	215	197	179	161	146	132
60	111	119	126	132	136	140	143	145	147	147	144	140	135	130	125	120	115	110	106
65	91.3	91.2	91.1	91.0	90.9	90.7	90.4	90.2	89.9	89.5	89.1	88.6	88.1	87.6	87.0	86.5	85.9	85.4	84.8
70	64.6	64.5	64.4	64.3	64.1	63.9	63.6	63.4	63.0	62.7	62.3	61.8	61.3	60.8	60.2	59.7	59.1	58.6	58.0
75	37.4	37.8	38.1	38.3	38.4	38.5	38.5	38.5	38.3	38.1	37.6	37.1	36.6	36.0	35.3	34.7	34.1	33.5	32.9
80	20.5	20.7	20.8	20.9	21.0	21.0	21.0	21.0	20.9	20.8	20.5	20.2	19.9	19.6	19.3	19.0	18.6	18.3	18.0
85	15.3	14.6	14.0	13.3	12.8	12.2	11.7	11.2	10.8	10.4	10.00	9.66	9.36	9.14	8.94	8.73	8.52	8.31	8.13
90	37.9	35.9	33.9	31.9	29.9	27.9	25.9	23.9	21.9	19.9	17.5	15.1	12.8	10.6	8.50	6.51	4.68	3.04	1.61
95	86.7	84.9	82.7	80.3	77.5	74.4	71.0	67.3	63.3	58.9	52.0	45.0	38.0	31.2	24.7	18.7	13.5	9.05	5.67
100	129	126	124	121	117	113	109	104	98.8	93.1	83.3	73.3	63.5	54.1	45.4	37.7	31.3	26.4	23.4
105	166	164	161	158	154	150	145	140	134	128	116	104	92.3	81.1	70.7	61.5	53.9	48.3	44.9
110	201	200	198	195	192	188	183	177	171	164	150	137	123	110	97.9	87.1	78.2	71.5	67.4
115	241	240	238	235	231	226	221	215	207	199	184	169	153	139	125	113	103	95.1	90.5
120	281	279	276	272	267	261	255	248	240	231	215	198	182	166	151	138	128	119	115
125	319	315	310	304	298	291	283	275	266	256	239	222	205	189	175	162	151	143	139
130	351	345	337	330	322	313	304	295	285	275	258	242	226	210	197	184	175	167	163
135	373	365	356	347	338	329	319	309	299	289	273	258	243	228	216	205	196	190	186
140	384	375	365	356	346	337	327	317	307	298	284	270	256	244	233	224	216	211	208
145	383	374	365	356	347	338	329	320	312	303	291	279	268	258	249	241	235	231	229
150	372	365	357	349	342	334	327	320	313	306	296	287	278	270	263	257	252	249	248
155	356	350	345	339	333	328	323	317	312	307	300	293	286	280	275	271	267	265	264
160	340	336	332	328	325	321	317	314	310	307	302	297	293	289	286	283	280	279	278
165	325	323	321	319	317	314	312	310	308	307	304	301	299	296	294	292	291	290	290
170	314	313	312	311	311	310	309	308	307	307	305	304	303	302	301	300	299	299	299
175	307	307	307	307	307	307	307	307	307	307	306	306	306	305	305	305	305	305	305
180	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302

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:0.3040A P:36.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5359.28x1 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	2711	2711	2712	2712	2713	2713	2714	2714	2714	2714	2714	2713	2713	2712	2712	2711	2711	2710	2710
5	2688	2688	2688	2688	2688	2688	2688	2689	2689	2688	2688	2688	2687	2687	2687	2687	2687	2687	2689
10	2652	2651	2650	2650	2649	2649	2648	2648	2647	2647	2646	2646	2645	2645	2645	2644	2645	2645	2647
15	2596	2594	2593	2592	2590	2589	2588	2586	2585	2583	2582	2580	2578	2577	2576	2574	2573	2573	2573
20	2537	2532	2527	2521	2515	2508	2501	2495	2488	2484	2479	2475	2471	2467	2464	2461	2458	2456	2455
25	2428	2423	2418	2412	2405	2398	2390	2382	2373	2361	2349	2337	2325	2314	2302	2292	2282	2274	2272
30	2239	2236	2232	2228	2223	2217	2209	2201	2191	2170	2149	2126	2104	2082	2060	2040	2021	2004	2000
35	1852	1865	1879	1893	1905	1915	1920	1921	1915	1859	1797	1732	1665	1599	1535	1475	1422	1377	1392
40	1186	1226	1273	1322	1372	1419	1461	1495	1519	1453	1377	1294	1207	1118	1032	950	875	812	835
45	612	650	695	744	794	844	889	927	957	907	848	783	712	640	568	500	436	381	392
50	253	273	296	321	348	374	399	420	437	415	388	357	325	291	257	225	196	170	178
55	138	146	156	167	178	189	200	210	217	209	199	188	175	162	149	137	125	115	118
60	106	108	109	111	113	115	117	119	120	118	116	114	111	108	105	102	99.5	97.1	96.6
65	84.4	84.0	83.5	83.1	82.6	82.1	81.6	81.0	80.3	79.3	78.2	77.1	75.9	74.8	73.8	72.8	71.8	71.0	70.7
70	57.7	57.4	57.1	56.7	56.3	55.8	55.3	54.8	54.1	52.8	51.5	50.1	48.7	47.3	46.0	44.8	43.6	42.7	42.5
75	32.7	32.6	32.5	32.4	32.3	32.2	32.0	31.7	31.4	30.6	29.6	28.7	27.7	26.7	25.7	24.8	24.0	23.3	23.2
80	17.8	17.7	17.6	17.5	17.4	17.3	17.1	16.9	16.7	16.1	15.5	14.9	14.3	13.7	13.1	12.5	12.0	11.6	11.6
85	8.08	8.05	8.03	8.00	7.98	7.93	7.87	7.78	7.65	7.23	6.77	6.30	5.83	5.36	4.90	4.48	4.10	3.77	3.81
90	1.63	1.67	1.72	1.78	1.84	1.91	1.96	2.32	2.72	2.44	2.14	1.85	1.59	1.37	1.21	1.14	1.17	1.32	2.44
95	8.54	12.4	17.0	22.2	27.7	33.4	39.0	44.3	49.0	48.1	46.6	44.7	42.7	40.5	38.5	36.7	35.4	34.7	40.3
100	31.4	41.2	52.4	64.5	77.1	90.0	103	115	126	128	128	128	127	125	123	121	119	116	120
105	54.5	66.4	80.0	94.9	111	127	143	159	175	182	188	193	197	200	203	204	204	204	205
110	78.8	92.7	109	126	145	164	183	202	220	228	236	242	247	250	253	254	254	254	254
115	103	119	137	156	177	199	221	242	262	272	281	288	293	298	301	302	303	302	302
120	128	144	163	183	205	228	251	274	295	307	317	326	333	339	343	346	348	347	346
125	152	168	187	208	230	254	277	300	322	336	347	358	366	374	379	383	385	385	383
130	176	192	210	230	252	274	297	320	342	356	369	380	390	399	405	410	413	414	410
135	198	212	229	248	268	289	310	331	352	367	380	393	404	413	421	426	430	432	427
140	218	231	245	262	279	298	316	335	354	368	382	395	406	416	424	431	435	437	432
145	237	248	260	273	288	303	319	335	351	364	377	389	400	409	417	423	428	431	426
150	254	262	272	283	294	306	319	332	344	356	366	376	386	394	401	406	410	413	408
155	269	275	282	290	298	308	317	327	336	345	353	361	368	374	380	384	387	389	385
160	281	286	290	296	302	308	315	321	328	334	339	345	349	354	357	360	363	364	361
165	292	294	297	301	304	308	312	316	320	323	327	330	332	335	337	339	340	340	339
170	300	301	303	304	306	308	310	312	314	315	317	318	319	320	321	321	322	322	321
175	305	306	306	307	307	308	308	309	309	310	310	310	310	310	311	311	311	311	310
180	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302

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:0.3040A P:36.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5359.28x1 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	2710	2710	2711	2711	2711	2711	2711	2711	2711	2711	2711	2711	2711	2710	2710	2710	2710	2711	2711
5	2691	2692	2694	2696	2698	2701	2703	2704	2706	2707	2708	2708	2709	2710	2710	2711	2712	2712	2713
10	2648	2650	2652	2654	2656	2658	2660	2661	2661	2661	2661	2660	2660	2659	2659	2658	2658	2660	2661
15	2574	2575	2577	2578	2579	2580	2581	2582	2581	2580	2579	2578	2577	2576	2575	2574	2574	2575	2576
20	2454	2454	2454	2454	2454	2455	2455	2455	2454	2452	2450	2449	2448	2447	2446	2446	2446	2449	2452
25	2271	2271	2271	2273	2275	2277	2279	2282	2281	2279	2278	2277	2276	2275	2275	2276	2277	2280	2284
30	1999	2000	2002	2006	2010	2016	2022	2028	2028	2028	2029	2029	2030	2031	2033	2035	2037	2042	2048
35	1415	1446	1482	1521	1562	1603	1642	1678	1672	1661	1648	1632	1616	1601	1586	1574	1566	1586	1610
40	870	914	963	1017	1071	1125	1174	1217	1189	1155	1116	1074	1032	992	955	925	902	946	998
45	412	438	470	504	540	575	608	636	614	587	558	527	497	469	445	426	413	454	502
50	190	204	221	240	258	276	293	307	295	280	263	246	229	212	198	186	177	196	218
55	122	127	133	139	146	152	158	164	159	154	148	142	137	131	126	122	119	126	134
60	96.5	96.6	96.9	97.4	97.9	98.6	99.3	100	99.9	99.7	99.6	99.5	99.4	99.4	99.5	99.7	100	101	103
65	70.4	70.3	70.3	70.3	70.5	70.7	71.0	71.3	71.7	72.2	72.7	73.3	73.8	74.4	74.9	75.5	76.0	76.2	76.4
70	42.5	42.6	42.9	43.2	43.6	44.1	44.6	45.1	45.4	45.6	45.9	46.1	46.4	46.7	47.0	47.3	47.7	48.0	48.3
75	23.2	23.3	23.5	23.7	24.0	24.4	24.8	25.1	25.3	25.4	25.5	25.7	25.8	26.0	26.2	26.4	26.6	26.9	27.2
80	11.6	11.7	11.8	12.0	12.2	12.5	12.7	13.0	13.0	13.1	13.2	13.2	13.3	13.4	13.5	13.6	13.7	13.9	14.1
85	3.89	4.03	4.20	4.39	4.60	4.82	5.03	5.22	5.15	5.07	4.97	4.87	4.78	4.71	4.66	4.64	4.66	4.84	5.06
90	3.66	4.93	6.21	7.45	8.61	9.64	10.5	11.2	9.72	8.12	6.44	4.79	3.27	1.96	0.96	0.36	0.26	3.56	7.34
95	46.4	52.8	59.2	65.4	71.1	76.1	80.1	82.8	76.1	68.2	59.5	50.4	41.2	32.3	24.0	16.7	10.7	14.6	20.0
100	124	128	132	135	138	139	140	138	127	114	101	87.1	73.5	60.5	48.5	37.9	29.2	33.2	39.3
105	205	205	203	201	198	193	187	181	165	149	133	116	101	85.5	71.9	60.1	50.7	55.2	62.1
110	254	253	250	247	242	236	229	220	203	184	166	147	129	112	96.6	83.4	72.8	78.4	86.6
115	300	297	293	288	282	274	265	254	235	215	194	174	155	137	120	106	95.2	102	111
120	343	339	333	326	317	308	297	284	264	242	221	199	179	160	144	129	118	125	135
125	378	373	365	356	346	334	322	308	286	265	243	222	201	183	166	152	141	148	158
130	405	397	388	378	366	352	338	323	302	281	260	240	221	203	187	174	164	170	180
135	420	412	401	390	377	362	347	331	312	293	273	255	237	222	208	196	187	193	201
140	425	416	405	393	380	365	350	335	317	300	283	267	252	238	227	217	209	214	221
145	418	410	399	388	375	362	348	334	319	304	290	277	265	253	244	236	230	233	239
150	402	394	386	376	365	354	342	330	319	307	296	286	276	267	260	254	249	252	256
155	381	375	368	360	352	343	334	325	317	308	300	293	286	280	275	270	267	269	272
160	358	354	349	344	338	332	326	320	314	308	303	298	294	290	286	283	281	282	284
165	337	334	331	328	325	321	318	314	311	308	305	302	300	297	295	294	293	293	294
170	320	319	318	317	315	313	312	310	309	307	306	305	304	303	302	301	300	300	301
175	310	310	310	309	309	309	309	309	308	308	307	307	307	306	306	306	305	305	305
180	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302

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:0.3040A P:36.60W PF:0.9900 Freq:60.00Hz Lamp Flux:5359.28x1 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	2712	2712	2713	2713	2714	2714	2714	2714	2714	2714	2714	2713	2713	2712	2711				
5	2714	2714	2715	2715	2716	2716	2716	2716	2715	2715	2714	2714	2713	2712	2710				
10	2663	2665	2667	2670	2672	2674	2676	2677	2679	2680	2681	2682	2683	2684	2685				
15	2577	2579	2582	2584	2587	2590	2594	2598	2602	2607	2611	2617	2622	2628	2634				
20	2456	2460	2465	2470	2476	2483	2489	2496	2504	2511	2519	2528	2537	2546	2556				
25	2289	2295	2301	2308	2315	2323	2332	2342	2352	2362	2373	2385	2397	2411	2424				
30	2055	2062	2070	2078	2088	2098	2109	2120	2132	2145	2159	2173	2188	2203	2220				
35	1637	1666	1697	1729	1761	1793	1824	1842	1859	1874	1887	1898	1907	1914	1919				
40	1056	1117	1181	1244	1305	1362	1412	1426	1431	1428	1416	1396	1367	1329	1283				
45	555	611	668	725	779	829	874	886	892	889	879	862	836	803	763				
50	243	269	296	322	348	372	393	398	400	397	391	382	368	351	331				
55	143	152	162	171	180	188	195	196	195	193	189	184	177	168	158				
60	104	106	108	109	111	112	113	114	114	114	114	114	114	113	112				
65	76.6	76.8	77.0	77.3	77.7	78.1	78.7	79.6	80.6	81.8	83.1	84.5	86.0	87.6	89.4				
70	48.7	49.1	49.6	50.2	50.8	51.5	52.3	53.3	54.3	55.5	56.8	58.2	59.6	61.2	62.8				
75	27.5	27.9	28.2	28.7	29.1	29.6	30.2	30.8	31.5	32.2	32.9	33.7	34.6	35.5	36.4				
80	14.3	14.6	14.8	15.1	15.4	15.8	16.1	16.5	16.9	17.4	17.8	18.3	18.8	19.4	19.9				
85	5.33	5.65	6.02	6.43	6.90	7.41	7.97	8.59	9.25	9.97	10.7	11.5	12.4	13.3	14.3				
90	11.5	15.9	20.4	24.9	29.3	33.5	37.4	39.2	40.6	41.6	42.1	42.2	41.8	40.9	39.6				
95	26.4	33.8	41.9	50.3	58.9	67.3	75.3	79.2	82.4	85.0	86.9	88.2	88.8	88.8	88.1				
100	46.9	55.9	65.8	76.4	87.2	98.0	108	114	118	122	125	127	128	129	129				
105	70.9	81.3	92.8	105	118	130	142	148	153	158	161	164	166	166	167				
110	97.1	109	123	137	152	166	180	187	192	197	200	202	204	204	203				
115	123	136	151	167	184	200	215	223	229	234	238	241	243	244	243				
120	147	162	178	195	212	230	246	255	262	268	273	277	280	282	282				
125	170	185	201	218	236	253	271	280	289	296	302	308	312	316	318				
130	191	205	221	237	254	272	289	299	308	317	324	331	337	343	348				
135	212	224	238	253	269	285	301	311	321	330	339	347	354	361	368				
140	230	240	252	266	280	294	308	318	327	336	345	353	361	369	377				
145	246	255	265	276	287	299	311	320	328	336	344	352	360	368	376				
150	261	268	276	284	293	302	312	319	325	332	339	346	352	359	366				
155	275	280	285	291	297	304	311	316	321	326	331	336	341	346	351				
160	286	289	293	296	300	305	309	312	316	319	322	326	329	333	336				
165	295	297	298	300	302	305	307	309	311	313	315	317	319	321	323				
170	301	302	302	303	304	305	306	306	307	308	309	310	311	312	313				
175	305	305	305	305	305	305	305	306	306	306	306	306	306	306	307				
180	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302				

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: