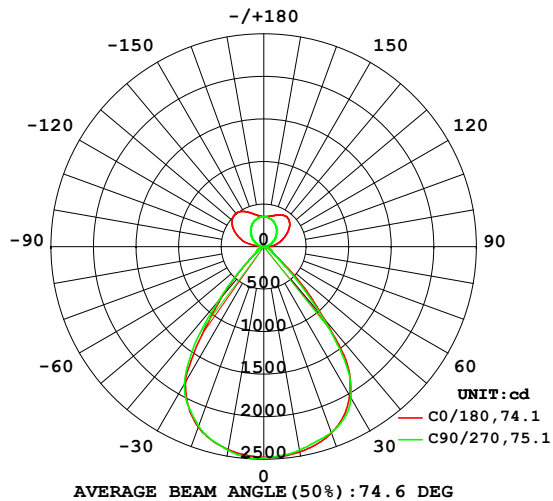


LUMINAIRE PHOTOMETRIC TEST REPORT

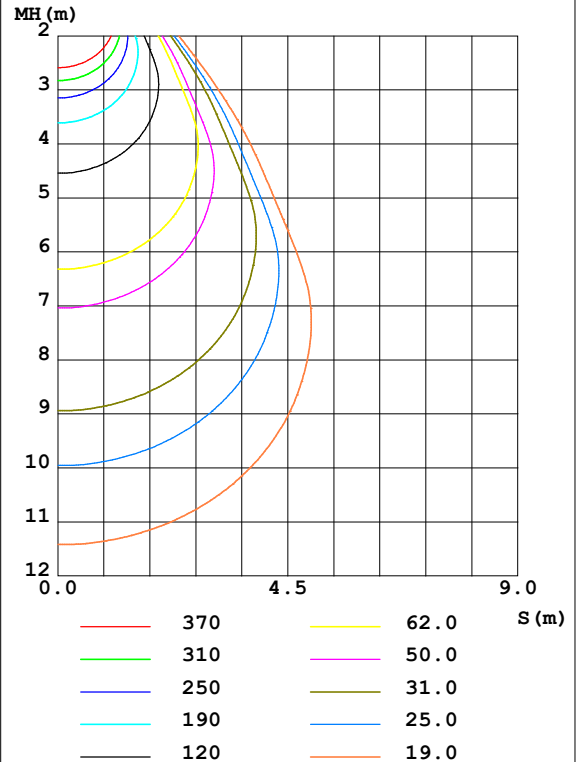
Test:U:120.8V I:0.3030A P:36.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5221.43x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.45 lm/W			
MODEL		I _{max} (cd)	2491	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)	5221.4	η UP,DN (C0-180)	14.7,36.8
NOMINAL FLUX(lm)	5221.43	CIE CLASS	SEMI-D.	η UP,DN (C180-360)	15.2,33.4
LAMPS INSIDE	1	η up (%)	29.9	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120.0	η down (%)	70.1	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:

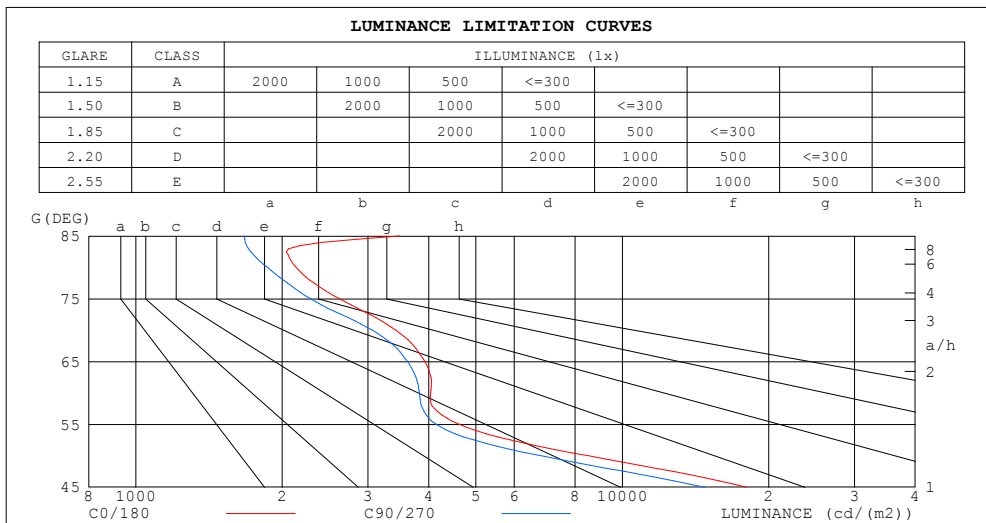
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2449	2435	2428	2427	2420	2434	2428	2447	0- 10	234.6	234.6	4.49,4.49
20	2328	2307	2324	2281	2256	2238	2244	2278	10- 20	668.4	903.1	17.3,17.3
30	2021	2069	2052	2007	1841	1848	1865	1928	20- 30	986.1	1889	36.2,36.2
40	1097	1524	1047	1395	754.7	1121	821.7	1271	30- 40	989.0	2878	55.1,55.1
50	272.9	517.1	218.1	397.4	154.3	287.0	165.6	349.9	40- 50	518.4	3397	65.1,65.1
60	100.9	130.5	95.68	109.1	87.04	90.10	90.50	102.3	50- 60	152.5	3549	68,68
70	58.54	56.75	52.38	48.80	38.38	40.63	43.15	47.36	60- 70	72.26	3621	69.4,69.4
80	18.56	18.82	16.19	15.08	10.48	11.70	12.36	14.64	70- 80	30.46	3652	69.9,69.9
90	42.27	21.93	1.439	2.546	1.273	12.44	0.2827	42.56	80- 90	10.73	3663	70.1,70.1
100	143.3	102.5	26.71	147.4	141.2	168.4	34.35	125.6	90-100	64.89	3727	71.4,71.4
110	225.3	183.2	77.38	254.4	303.4	265.6	85.57	208.6	100-110	166.3	3894	74.6,74.6
120	317.2	261.8	129.6	343.5	412.1	338.8	139.2	286.1	110-120	238.7	4132	79.1,79.1
130	399.4	315.3	185.8	396.6	487.0	380.1	193.8	336.4	120-130	277.1	4410	84.5,84.5
140	440.4	343.6	238.3	411.6	511.2	389.1	245.5	358.4	130-140	273.1	4683	89.7,89.7
150	430.2	354.0	285.6	400.2	479.1	379.8	290.4	361.5	140-150	232.4	4915	94.1,94.1
160	392.8	354.8	322.0	378.7	419.9	367.0	325.3	357.8	150-160	170.5	5085	97.4,97.4
170	362.8	353.1	344.7	361.0	371.5	357.3	347.0	353.6	160-170	102.1	5188	99.4,99.4
180	351.1	351.1	351.1	351.1	351.1	351.1	351.1	351.1	170-180	33.87	5221	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:0.3030A P:36.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5221.43x1 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	3485	1673
80	2138	1865
75	2623	2287
70	3423	3063
65	3928	3618
60	4035	3827
55	4621	4146
50	8492	6785
45	18027	14777

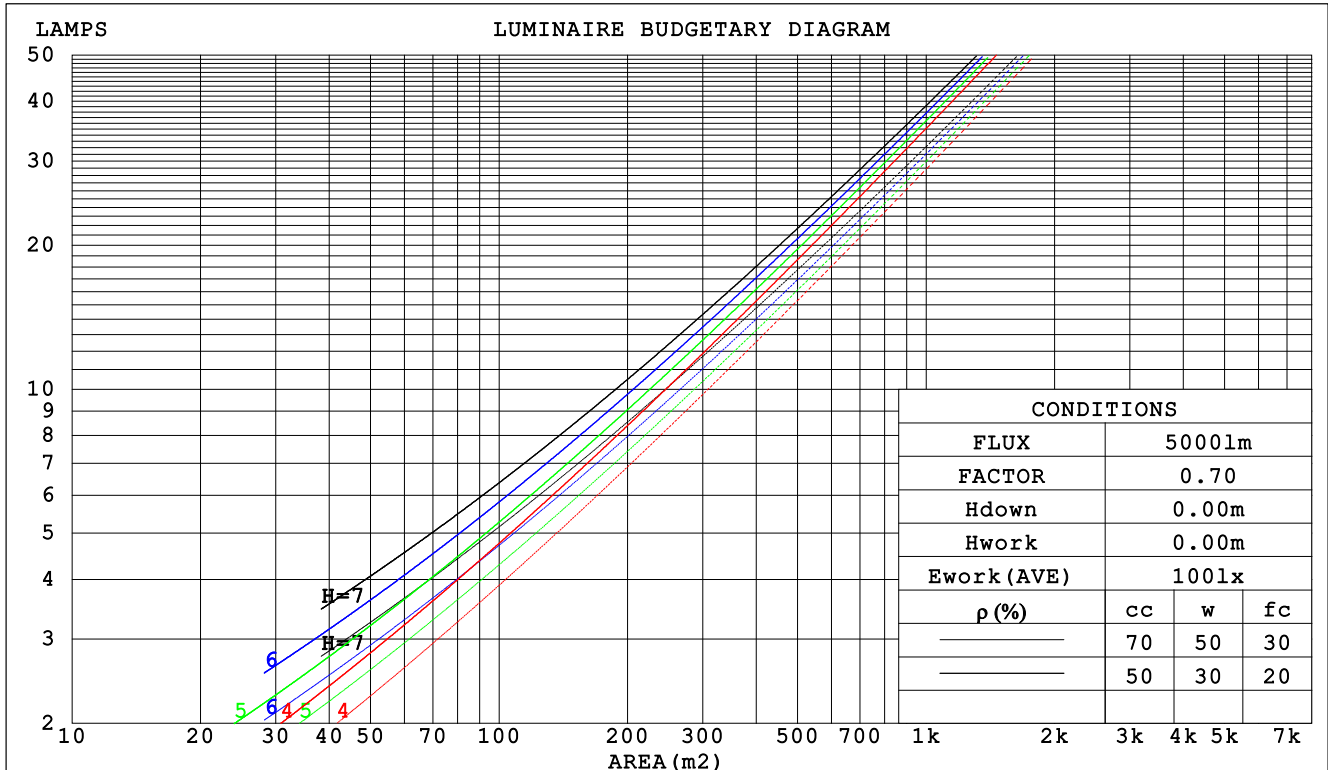
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:0.3030A P:36.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5221.43x1 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	1.12	1.12	1.12	1.06	1.06	1.06	.95	.95	.95	.84	.84	.84	.75	.75	.75	.70
1.0	1.01	.98	.95	.96	.93	.91	.87	.85	.83	.78	.76	.75	.70	.69	.68	.64
2.0	.92	.87	.82	.87	.83	.79	.79	.76	.73	.72	.69	.67	.65	.63	.61	.58
3.0	.83	.77	.72	.79	.74	.69	.72	.68	.65	.66	.63	.60	.60	.57	.55	.52
4.0	.75	.69	.64	.72	.66	.62	.66	.61	.58	.61	.57	.54	.55	.53	.50	.47
5.0	.69	.62	.57	.66	.60	.55	.61	.56	.52	.56	.52	.49	.51	.48	.46	.43
6.0	.63	.56	.51	.61	.54	.50	.56	.51	.47	.52	.48	.44	.48	.44	.42	.39
7.0	.58	.51	.46	.56	.49	.45	.52	.47	.43	.48	.44	.40	.44	.41	.38	.36
8.0	.54	.47	.42	.52	.45	.41	.48	.43	.39	.45	.40	.37	.41	.38	.35	.33
9.0	.50	.43	.38	.48	.42	.37	.45	.39	.36	.42	.37	.34	.39	.35	.32	.31
10.0	.46	.39	.35	.45	.38	.34	.42	.36	.33	.39	.35	.31	.36	.33	.30	.28



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:0.3030A P:36.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5221.43x1 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	.224	.127	.040	.208	.118	.038	.178	.102	.033	.151	.087	.028	.125	.073	.023		
2.0	.212	.116	.036	.198	.109	.034	.171	.095	.030	.147	.082	.026	.124	.070	.022		
3.0	.200	.107	.032	.188	.100	.030	.163	.089	.027	.141	.077	.024	.120	.067	.021		
4.0	.189	.098	.029	.177	.093	.027	.155	.082	.025	.135	.072	.022	.116	.063	.019		
5.0	.178	.091	.026	.168	.086	.025	.148	.077	.023	.129	.068	.020	.111	.060	.018		
6.0	.168	.084	.024	.159	.080	.023	.140	.072	.021	.123	.064	.019	.107	.056	.017		
7.0	.159	.079	.022	.150	.075	.021	.133	.067	.019	.118	.060	.018	.103	.053	.016		
8.0	.151	.074	.021	.143	.070	.020	.127	.064	.018	.112	.057	.016	.098	.050	.015		
9.0	.143	.069	.019	.136	.066	.019	.121	.060	.017	.107	.054	.015	.094	.048	.014		
10.0	.136	.065	.018	.129	.062	.017	.116	.057	.016	.103	.051	.015	.091	.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	.418	.418	.418	.357	.357	.357	.244	.244	.244	.140	.140	.140	.045	.045	.045	
1.0	.404	.386	.371	.345	.332	.319	.236	.228	.221	.136	.132	.128	.044	.042	.041	
2.0	.393	.363	.339	.336	.313	.293	.230	.216	.204	.133	.126	.120	.043	.041	.039	
3.0	.383	.346	.316	.329	.298	.274	.226	.207	.192	.130	.121	.113	.042	.039	.037	
4.0	.375	.333	.300	.322	.288	.261	.221	.200	.184	.128	.117	.109	.041	.038	.036	
5.0	.368	.322	.289	.316	.279	.251	.218	.195	.177	.126	.114	.105	.041	.037	.035	
6.0	.362	.314	.280	.311	.272	.244	.214	.191	.173	.124	.112	.103	.040	.037	.034	
7.0	.356	.308	.274	.306	.267	.239	.211	.187	.169	.123	.110	.101	.040	.036	.033	
8.0	.350	.302	.269	.302	.262	.234	.209	.184	.166	.121	.109	.099	.039	.036	.033	
9.0	.345	.297	.265	.298	.258	.231	.206	.181	.164	.120	.107	.098	.039	.035	.032	
10.0	.341	.293	.262	.294	.255	.228	.204	.179	.162	.119	.106	.097	.039	.035	.032	

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:0.3030A P:36.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5221.43x1 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	18.9	19.8	19.5	20.4	21.1	18.3	19.2	18.9	19.8	20.5
3H	18.7	19.6	19.4	20.2	21.0	18.2	19.0	18.8	19.6	20.4
4H	18.7	19.4	19.3	20.1	20.9	18.1	18.9	18.8	19.5	20.3
6H	18.6	19.3	19.3	20.0	20.8	18.0	18.7	18.7	19.4	20.2
8H	18.5	19.2	19.2	19.9	20.7	17.9	18.6	18.6	19.3	20.1
12H	18.5	19.1	19.2	19.8	20.7	17.9	18.5	18.6	19.2	20.1
4H 2H	18.6	19.3	19.2	20.0	20.8	18.0	18.8	18.7	19.4	20.2
3H	18.5	19.1	19.2	19.8	20.7	17.9	18.6	18.7	19.3	20.1
4H	18.4	19.0	19.2	19.7	20.6	17.9	18.5	18.6	19.2	20.1
6H	18.4	18.9	19.1	19.6	20.5	17.8	18.3	18.6	19.1	20.0
8H	18.3	18.8	19.1	19.5	20.5	17.7	18.2	18.5	19.0	19.9
12H	18.3	18.7	19.1	19.5	20.4	17.7	18.1	18.5	18.9	19.9
8H 4H	18.3	18.7	19.0	19.5	20.4	17.7	18.2	18.5	19.0	19.9
6H	18.2	18.6	19.0	19.4	20.4	17.6	18.0	18.5	18.8	19.8
8H	18.2	18.5	19.0	19.3	20.3	17.6	17.9	18.5	18.8	19.8
12H	18.1	18.4	19.0	19.3	20.3	17.6	17.8	18.4	18.7	19.7
12H 4H	18.2	18.6	19.0	19.4	20.3	17.6	18.1	18.4	18.9	19.8
6H	18.1	18.5	19.0	19.3	20.3	17.6	17.9	18.4	18.7	19.7
8H	18.1	18.4	19.0	19.2	20.3	17.6	17.8	18.4	18.7	19.7
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / - 5.1					+ 2.4 / - 5.1				
1.5H	+ 2.5 / - 5.0					+ 2.7 / - 5.2				
2.0H	+ 4.7 / - 3.9					+ 4.1 / - 3.3				

CIE Pub.117 Corrected 5221 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.7)

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:0.3030A P:36.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5221.43x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

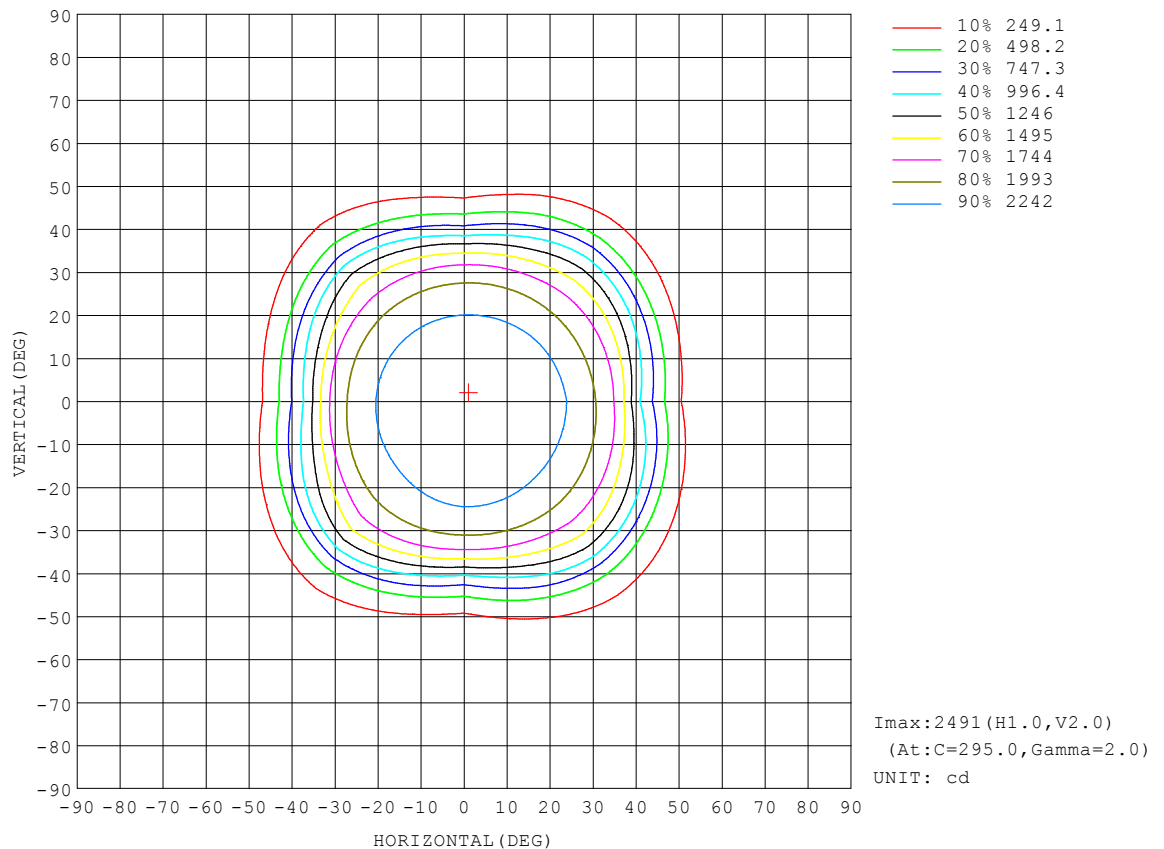
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	64	55	50	62	54	49	59	52	48	42
0.80	72	64	58	70	62	57	66	60	56	49
1.00	79	70	65	76	69	64	72	66	61	53
1.25	84	76	71	81	74	69	76	70	66	57
1.50	88	81	75	85	78	74	79	74	70	59
2.00	93	87	82	90	84	79	82	78	74	62
2.50	96	90	85	92	87	83	84	80	77	63
3.00	99	93	89	94	90	86	86	83	80	64
4.00	102	97	94	97	93	90	88	85	83	66
5.00	104	100	97	99	96	93	89	87	85	67
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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

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

ISOCANDELA DIAGRAM

Test:U:120.8V I:0.3030A P:36.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5221.43x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

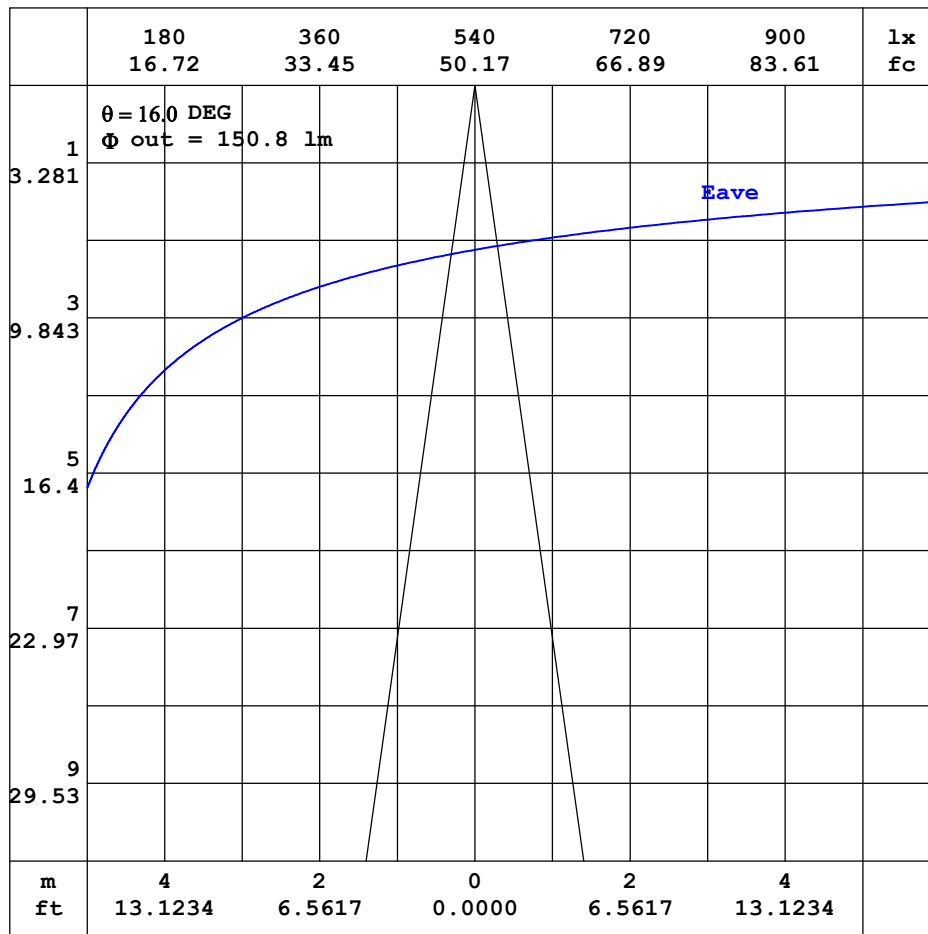


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:120.8V I:0.3030A P:36.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5221.43x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:



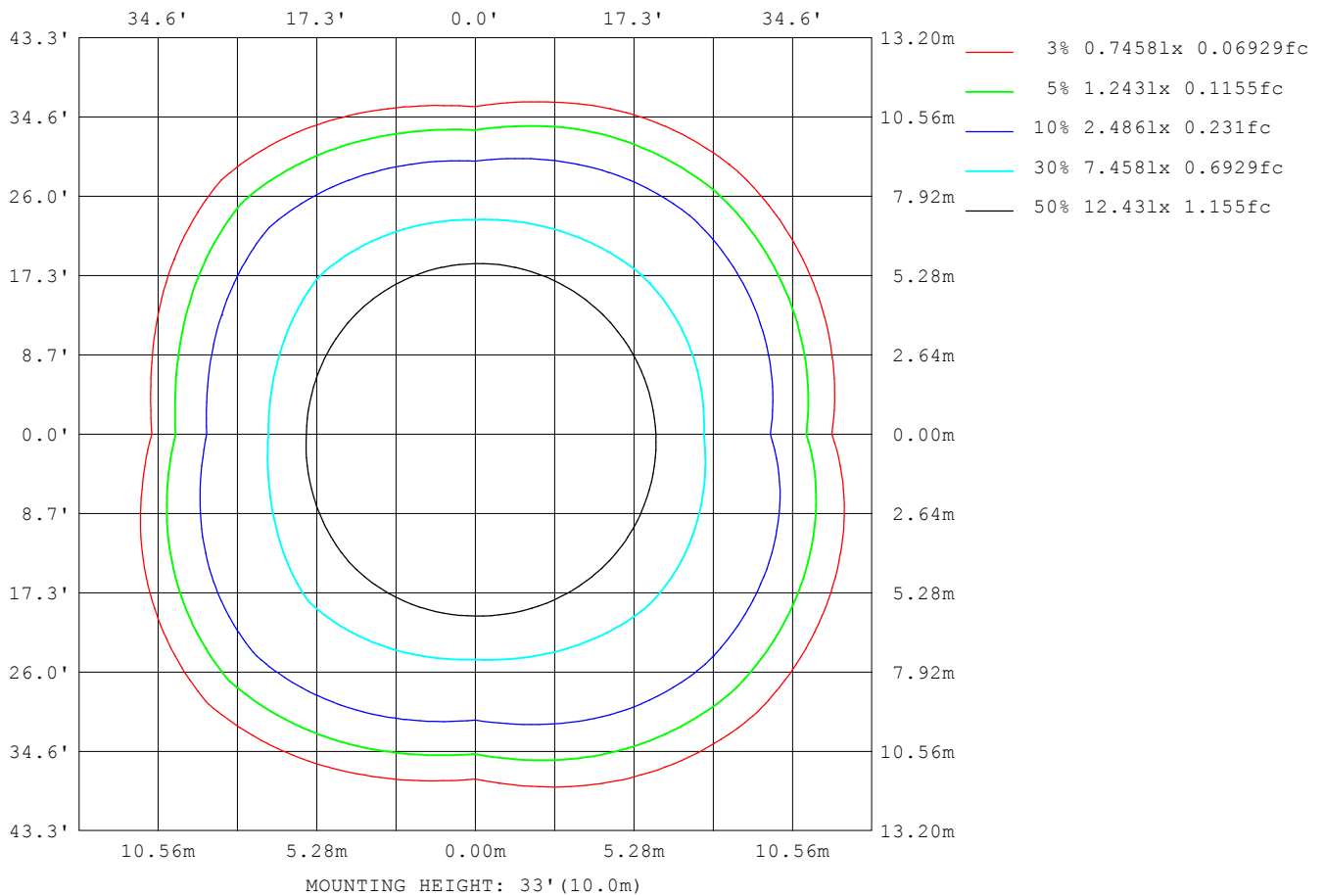
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.8V I:0.3030A P:36.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5221.43x1 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:120.8V I:0.3030A P:36.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5221.43x1 lm		
NAME: 4FT	TYPE:3000K 3.7	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.12*0.045	Shielding Angle:

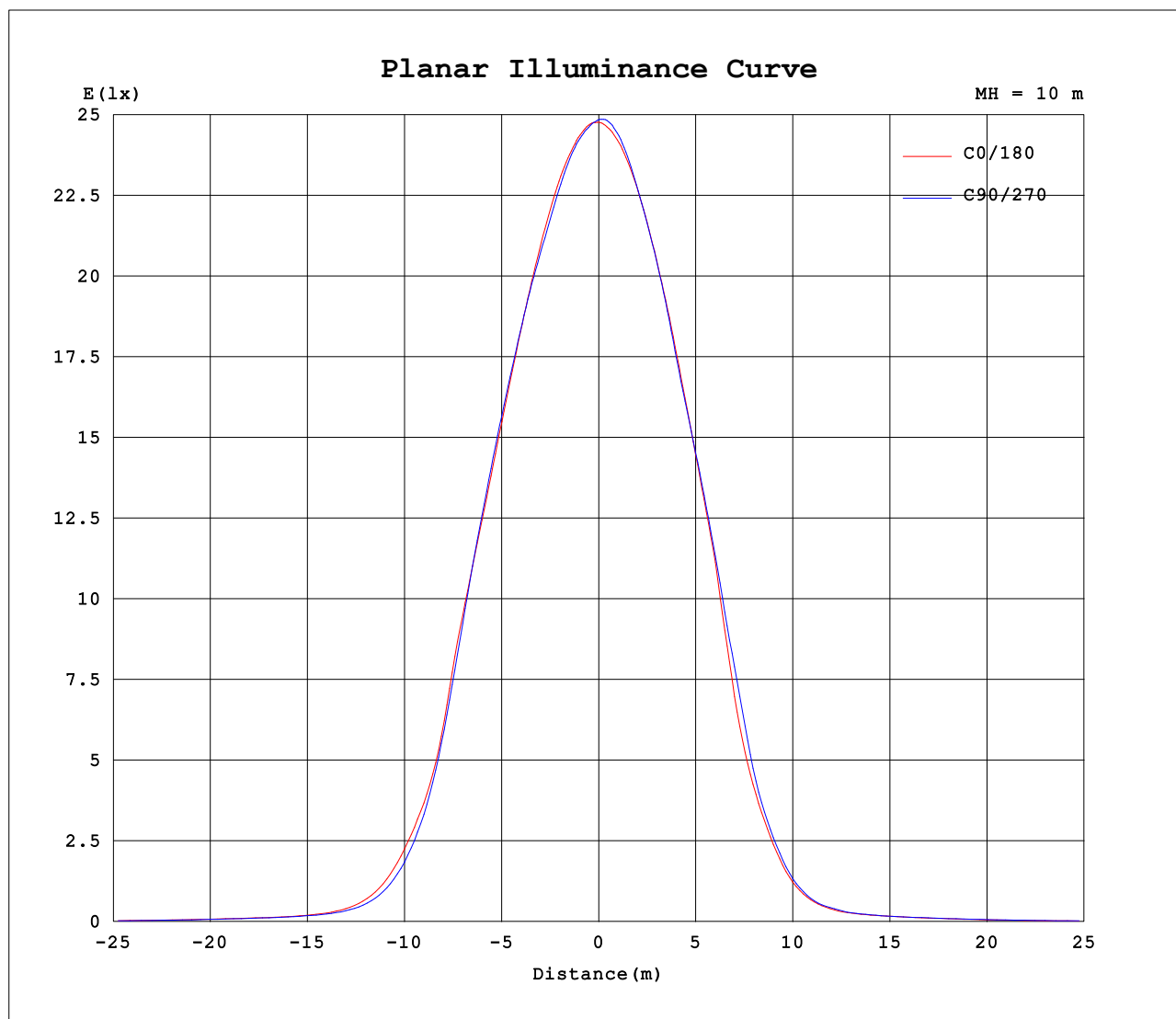
AvgL	cd/m2
L_0~180 (65) av	3472
L_0~180 (75) av	2123
L_0~180 (85) av	2143
L_90~270 (65) av	3435
L_90~270 (75) av	2072
L_90~270 (85) av	1317
L_45 (65) av	3424
L_45 (75) av	2181
L_45 (85) av	1639

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:0.3030A P:36.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5221.43x1 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	2476	2477	2478	2478	2479	2479	2480	2481	2481	2482	2482	2482	2483	2483	2484	2484	2484	2484	2485
5	2472	2471	2470	2469	2468	2467	2466	2466	2465	2464	2464	2464	2463	2463	2463	2463	2463	2463	2463
10	2449	2447	2445	2443	2442	2440	2439	2438	2436	2435	2434	2433	2432	2431	2431	2430	2429	2429	2428
15	2404	2400	2397	2394	2391	2388	2386	2384	2382	2380	2378	2377	2376	2375	2375	2374	2373	2373	2373
20	2328	2324	2321	2317	2314	2312	2310	2309	2308	2307	2309	2311	2314	2316	2318	2320	2322	2323	2324
25	2209	2210	2211	2212	2213	2214	2216	2217	2218	2219	2221	2224	2226	2228	2230	2231	2231	2231	2230
30	2021	2029	2037	2044	2050	2056	2060	2064	2067	2069	2070	2070	2069	2067	2065	2063	2060	2056	2052
35	1729	1755	1778	1797	1813	1826	1835	1841	1844	1843	1829	1813	1795	1775	1755	1735	1715	1698	1682
40	1097	1189	1270	1340	1399	1446	1482	1508	1521	1524	1484	1435	1380	1321	1260	1200	1142	1091	1047
45	637	733	817	889	949	997	1032	1056	1068	1067	1021	965	902	834	765	697	632	573	522
50	273	327	374	415	448	476	496	510	517	517	492	462	427	391	353	315	279	246	218
55	133	158	179	198	214	227	237	244	248	248	238	225	210	194	178	161	146	131	119
60	101	107	113	118	122	125	128	129	130	130	128	124	120	116	112	107	103	99.2	95.7
65	83.0	83.0	82.9	82.8	82.6	82.4	82.2	81.9	81.6	81.2	80.8	80.3	79.8	79.3	78.7	78.2	77.6	77.0	76.5
70	58.5	58.5	58.4	58.2	58.1	57.9	57.6	57.4	57.1	56.8	56.3	55.9	55.4	54.9	54.4	53.9	53.4	52.9	52.4
75	33.9	34.3	34.5	34.7	34.9	34.9	34.9	34.8	34.7	34.5	34.0	33.6	33.0	32.4	31.9	31.3	30.7	30.1	29.6
80	18.6	18.7	18.9	19.0	19.0	19.1	19.1	19.0	18.9	18.8	18.6	18.3	18.0	17.7	17.4	17.1	16.8	16.5	16.2
85	15.2	14.4	13.6	12.9	12.2	11.5	10.9	10.4	9.88	9.41	9.03	8.69	8.39	8.19	8.01	7.82	7.63	7.45	7.29
90	42.3	40.0	37.8	35.5	33.2	31.0	28.7	26.5	24.2	21.9	19.3	16.6	14.0	11.5	9.17	6.94	4.89	3.05	1.44
95	97.0	94.8	92.2	89.4	86.1	82.6	78.7	74.6	70.0	65.2	57.5	49.7	41.9	34.3	27.2	20.7	14.9	10.2	6.58
100	143	140	137	134	129	125	120	115	109	102	91.6	80.5	69.7	59.4	49.9	41.6	34.7	29.7	26.7
105	185	182	179	175	171	166	160	154	148	141	128	115	102	89.6	78.3	68.4	60.4	54.5	51.2
110	225	224	221	218	214	210	204	198	191	183	168	153	138	123	110	98.3	88.7	81.5	77.4
115	271	270	268	264	260	255	249	242	234	225	208	190	173	156	141	127	116	108	103
120	317	315	312	307	302	296	289	281	272	262	243	224	205	187	171	156	144	135	130
125	361	357	351	345	338	331	322	313	303	292	272	253	234	216	199	184	172	164	158
130	399	392	385	376	368	358	348	338	327	315	296	277	258	240	224	210	199	190	186
135	426	417	407	398	388	377	366	355	344	332	314	296	278	262	247	234	224	217	213
140	440	430	420	409	398	388	377	366	355	344	327	311	295	281	268	257	248	242	238
145	441	431	421	411	401	390	380	370	360	350	336	323	310	298	287	278	270	265	263
150	430	421	413	404	395	387	379	370	362	354	343	332	322	312	304	297	291	287	286
155	412	406	399	392	386	380	373	367	361	355	347	339	332	325	319	313	309	307	306
160	393	388	384	380	375	371	367	363	359	355	349	344	339	335	331	327	325	323	322
165	376	373	371	368	366	363	361	358	356	354	351	348	345	342	340	338	337	336	335
170	363	362	361	359	358	357	356	355	354	353	352	350	349	348	347	346	345	345	345
175	355	355	355	354	354	354	353	353	353	353	352	352	352	351	351	351	351	351	351
180	351	351	351	351	351	351	351	351	351	351	351	351	351	351	351	351	351	351	351

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:0.3030A P:36.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5221.43x1 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	2485	2485	2486	2486	2486	2486	2486	2486	2485	2484	2483	2482	2481	2480	2479	2478	2477	2476	2476
5	2463	2463	2463	2463	2463	2463	2463	2463	2462	2462	2461	2460	2460	2459	2459	2458	2458	2458	2460
10	2428	2428	2428	2428	2428	2428	2428	2428	2427	2426	2425	2424	2423	2422	2421	2421	2420	2420	2421
15	2373	2373	2373	2373	2373	2373	2373	2372	2372	2370	2369	2367	2365	2364	2362	2360	2359	2357	2356
20	2321	2317	2313	2308	2303	2297	2292	2287	2281	2278	2275	2271	2269	2266	2263	2261	2258	2256	2253
25	2226	2221	2215	2209	2202	2195	2187	2179	2170	2160	2151	2141	2131	2122	2113	2104	2097	2090	2087
30	2050	2048	2045	2041	2037	2031	2024	2017	2007	1989	1970	1951	1931	1911	1892	1873	1856	1841	1836
35	1693	1706	1720	1733	1745	1754	1760	1760	1756	1705	1650	1591	1531	1471	1413	1359	1310	1270	1282
40	1078	1117	1161	1207	1254	1299	1339	1372	1395	1336	1268	1193	1114	1034	955	880	813	755	776
45	549	585	626	672	719	764	806	843	871	825	771	711	647	581	516	453	396	346	359
50	231	248	269	292	316	340	362	382	397	377	352	324	294	263	233	204	177	154	162
55	124	132	141	151	162	172	182	191	198	191	181	170	159	147	135	123	113	103	106
60	96.3	97.4	98.9	101	103	104	106	108	109	107	105	103	100	97.3	94.6	91.9	89.3	87.0	86.6
65	76.1	75.7	75.3	74.9	74.5	74.0	73.6	73.0	72.4	71.5	70.4	69.4	68.3	67.3	66.3	65.4	64.5	63.7	63.4
70	52.1	51.8	51.5	51.1	50.8	50.4	49.9	49.4	48.8	47.6	46.4	45.1	43.9	42.6	41.4	40.3	39.3	38.4	38.2
75	29.5	29.3	29.3	29.2	29.1	29.0	28.8	28.6	28.3	27.6	26.7	25.8	24.9	24.1	23.2	22.4	21.7	21.0	20.9
80	16.1	16.0	15.9	15.8	15.7	15.6	15.5	15.3	15.1	14.6	14.0	13.5	12.9	12.4	11.8	11.3	10.9	10.5	10.4
85	7.25	7.23	7.22	7.21	7.20	7.17	7.12	7.05	6.95	6.58	6.17	5.76	5.33	4.91	4.51	4.13	3.79	3.49	3.52
90	1.44	1.47	1.52	1.57	1.63	1.68	1.73	2.10	2.55	2.25	1.95	1.65	1.39	1.18	1.05	1.00	1.07	1.27	2.55
95	10.1	14.7	20.2	26.4	32.9	39.5	46.1	52.3	57.9	56.8	55.0	52.8	50.4	47.9	45.5	43.5	42.0	41.2	48.0
100	36.3	47.9	61.1	75.3	90.2	105	120	134	147	150	151	152	151	149	147	145	143	141	146
105	62.5	76.3	92.1	109	128	147	166	185	202	212	220	227	233	237	241	243	244	245	246
110	90.6	107	125	146	167	189	212	234	254	265	275	283	290	295	299	301	303	303	304
115	118	136	157	181	205	230	256	281	304	317	328	337	345	351	355	358	360	360	360
120	145	165	187	211	237	264	291	318	344	358	371	382	392	399	405	409	412	412	411
125	174	193	216	240	267	294	321	349	375	391	406	418	429	438	446	451	454	455	452
130	201	219	241	265	290	317	344	371	397	414	430	444	456	467	475	481	485	487	483
135	226	243	263	285	309	334	359	384	409	426	443	458	471	482	492	499	504	506	500
140	250	265	283	302	323	345	367	390	412	429	445	460	474	485	495	503	508	511	505
145	273	285	300	316	333	351	370	389	408	424	439	453	465	476	486	493	498	501	495
150	293	303	314	327	341	355	370	385	400	413	426	437	448	458	466	472	477	479	473
155	311	318	327	336	346	357	368	379	390	400	409	418	426	434	440	445	448	450	446
160	326	331	336	342	349	356	364	371	379	385	392	398	404	409	413	416	419	420	417
165	338	340	344	347	351	356	360	364	369	373	376	380	383	386	388	390	392	392	391
170	346	347	349	351	353	355	357	359	361	363	364	366	367	369	370	371	371	371	371
175	351	352	352	353	354	354	355	356	356	357	357	358	358	358	358	359	359	359	358
180	351	351	351	351	351	351	351	351	351	351	351	351	351	351	351	351	351	351	351

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:0.3030A P:36.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5221.43x1 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	2477	2477	2478	2479	2479	2480	2481	2482	2482	2482	2483	2483	2484	2484	2484	2484	2485	2485	2485
5	2461	2462	2464	2466	2468	2469	2471	2473	2474	2475	2476	2477	2477	2478	2479	2479	2480	2481	2481
10	2423	2424	2426	2428	2430	2431	2433	2434	2434	2433	2432	2431	2430	2429	2429	2428	2428	2430	2432
15	2356	2356	2355	2355	2355	2355	2355	2355	2355	2354	2354	2354	2354	2354	2354	2354	2355	2356	2357
20	2251	2249	2246	2244	2243	2241	2240	2238	2238	2237	2237	2238	2238	2239	2240	2242	2244	2246	2249
25	2084	2083	2082	2082	2082	2082	2083	2084	2083	2082	2082	2081	2081	2081	2082	2083	2085	2088	2092
30	1833	1832	1832	1834	1836	1839	1843	1848	1848	1849	1851	1852	1854	1856	1859	1862	1865	1870	1876
35	1303	1330	1362	1396	1433	1469	1504	1536	1531	1522	1510	1497	1483	1469	1456	1445	1438	1455	1475
40	808	848	893	941	990	1038	1083	1121	1095	1062	1025	986	946	908	873	844	822	860	905
45	379	406	437	471	506	540	572	600	579	553	525	495	465	437	412	392	378	414	455
50	173	188	204	222	240	257	273	287	276	262	247	231	215	200	186	174	166	181	200
55	110	114	120	126	133	139	144	149	145	141	135	130	124	119	114	110	107	113	121
60	86.5	86.6	87.0	87.4	88.0	88.7	89.4	90.1	90.0	89.9	89.8	89.8	89.8	89.8	89.9	90.2	90.5	91.7	93.0
65	63.2	63.2	63.2	63.2	63.4	63.6	63.9	64.3	64.7	65.1	65.6	66.1	66.6	67.1	67.7	68.2	68.7	68.9	69.1
70	38.2	38.3	38.6	38.9	39.2	39.7	40.1	40.6	40.9	41.1	41.4	41.6	41.9	42.2	42.5	42.8	43.1	43.4	43.8
75	20.9	21.0	21.2	21.4	21.7	22.0	22.3	22.6	22.8	22.9	23.0	23.2	23.3	23.5	23.6	23.8	24.0	24.3	24.6
80	10.5	10.6	10.7	10.9	11.0	11.3	11.5	11.7	11.8	11.8	11.9	11.9	12.0	12.1	12.1	12.2	12.4	12.5	12.7
85	3.60	3.72	3.87	4.05	4.23	4.42	4.61	4.78	4.70	4.61	4.51	4.41	4.32	4.24	4.19	4.17	4.19	4.35	4.55
90	3.94	5.38	6.83	8.23	9.54	10.7	11.7	12.4	10.8	9.02	7.14	5.30	3.59	2.13	1.02	0.37	0.28	4.07	8.39
95	55.3	62.9	70.6	78.0	84.8	90.8	95.5	98.8	90.8	81.4	71.1	60.2	49.3	38.6	28.7	19.9	12.7	17.1	23.1
100	151	156	161	165	168	169	170	168	154	139	123	106	89.1	73.1	58.3	45.2	34.3	38.8	45.7
105	247	246	245	242	238	232	226	217	199	180	160	140	121	102	85.8	71.4	59.7	64.9	72.8
110	304	303	301	297	291	284	276	266	244	222	199	177	155	134	115	98.7	85.6	91.8	101
115	358	356	351	346	338	329	319	306	283	259	234	209	186	163	143	126	112	119	130
120	408	403	396	388	378	367	353	339	314	289	263	238	213	191	170	153	139	147	158
125	447	441	432	422	409	396	381	364	339	313	288	263	239	216	197	180	167	174	185
130	476	467	457	444	430	415	398	380	356	331	307	283	260	240	221	206	194	201	211
135	492	482	470	456	441	424	406	388	365	343	320	299	279	260	244	231	220	227	236
140	496	485	472	458	442	425	407	389	369	349	330	311	294	279	265	254	245	251	258
145	486	476	463	450	435	419	402	386	369	352	337	322	308	295	285	276	269	273	280
150	466	457	446	434	421	408	394	380	367	354	341	330	319	310	302	295	290	293	298
155	440	432	424	415	405	395	384	373	364	354	346	337	330	323	317	313	309	311	315
160	413	408	402	395	389	382	374	367	361	355	349	343	338	334	330	327	325	327	329
165	388	385	382	378	374	370	366	361	358	354	351	348	345	343	341	339	338	338	340
170	369	368	367	365	363	361	359	357	356	354	353	351	350	349	348	348	347	347	348
175	358	358	357	357	356	356	355	355	355	354	354	354	353	353	353	353	352	352	352
180	351	351	351	351	351	351	351	351	351	351	351	351	351	351	351	351	351	351	351

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:0.3030A P:36.40W PF:0.9900 Freq:60.00Hz Lamp Flux:5221.43x1 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	2486	2486	2486	2486	2486	2486	2485	2485	2484	2483	2483	2482	2480	2479	2478				
5	2482	2483	2484	2484	2484	2485	2485	2484	2483	2482	2481	2480	2478	2476	2474				
10	2434	2436	2438	2441	2443	2445	2447	2448	2449	2450	2450	2450	2450	2450	2449				
15	2359	2361	2363	2365	2368	2370	2373	2376	2379	2382	2385	2389	2392	2396	2400				
20	2253	2256	2260	2264	2269	2273	2278	2283	2288	2293	2298	2304	2310	2316	2322				
25	2097	2102	2108	2114	2120	2127	2134	2141	2149	2156	2164	2173	2181	2190	2199				
30	1882	1889	1896	1903	1911	1919	1928	1937	1946	1956	1966	1976	1987	1998	2009				
35	1498	1523	1549	1576	1603	1630	1656	1671	1684	1696	1706	1714	1720	1725	1728				
40	956	1011	1067	1123	1177	1227	1271	1283	1287	1283	1271	1252	1225	1190	1147				
45	501	549	599	649	696	741	780	791	795	793	784	768	745	716	680				
50	221	244	267	290	312	332	350	354	355	353	348	339	328	313	294				
55	128	137	145	154	161	169	175	175	175	173	169	165	159	151	143				
60	94.4	95.8	97.3	98.7	100.0	101	102	103	103	103	103	103	103	102	102				
65	69.3	69.5	69.8	70.1	70.4	70.9	71.4	72.3	73.2	74.3	75.5	76.8	78.2	79.7	81.3				
70	44.1	44.5	44.9	45.4	46.0	46.6	47.4	48.3	49.2	50.3	51.5	52.7	54.0	55.4	56.9				
75	24.9	25.2	25.6	26.0	26.4	26.9	27.4	28.0	28.6	29.2	29.9	30.6	31.4	32.2	33.1				
80	12.9	13.2	13.4	13.7	14.0	14.3	14.6	15.0	15.4	15.8	16.2	16.6	17.1	17.6	18.0				
85	4.81	5.11	5.47	5.87	6.33	6.85	7.42	8.06	8.75	9.50	10.3	11.2	12.1	13.1	14.1				
90	13.1	18.1	23.3	28.4	33.4	38.2	42.6	44.6	46.2	47.2	47.7	47.7	47.1	46.0	44.4				
95	30.5	38.9	48.2	57.8	67.6	77.2	86.4	90.7	94.2	96.9	98.9	100	100	100	98.9				
100	54.5	64.8	76.3	88.6	101	114	126	131	136	140	142	144	146	146	145				
105	83.0	95.1	108	123	137	152	166	172	177	182	185	187	188	188	187				
110	113	127	143	159	176	193	209	216	222	226	229	231	232	231	229				
115	143	159	176	195	214	232	250	258	265	270	274	276	277	277	275				
120	173	189	208	227	247	267	286	295	303	309	314	318	320	320	319				
125	200	216	235	255	275	295	315	325	334	342	348	353	357	360	361				
130	225	241	259	278	297	317	336	347	357	366	374	381	387	392	396				
135	248	262	279	296	314	333	351	362	372	382	391	399	407	414	420				
140	269	281	295	310	326	342	358	369	379	389	399	408	417	425	433				
145	288	298	309	321	334	348	361	371	380	389	398	407	416	425	433				
150	304	312	321	330	340	351	362	369	377	385	392	400	408	415	423				
155	319	324	331	337	345	352	360	366	372	377	383	389	395	401	406				
160	331	335	339	343	348	353	358	362	365	369	373	377	381	385	389				
165	341	343	345	347	350	353	355	357	360	362	364	366	369	371	374				
170	348	349	350	350	351	353	354	355	355	356	357	358	359	361	362				
175	352	352	353	353	353	353	353	353	353	354	354	354	354	355	355				
180	351	351	351	351	351	351	351	351	351	351	351	351	351	351	351				

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: