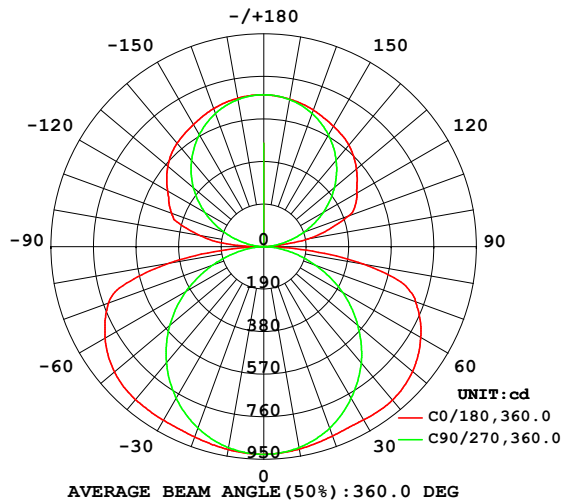


LUMINAIRE PHOTOMETRIC TEST REPORT

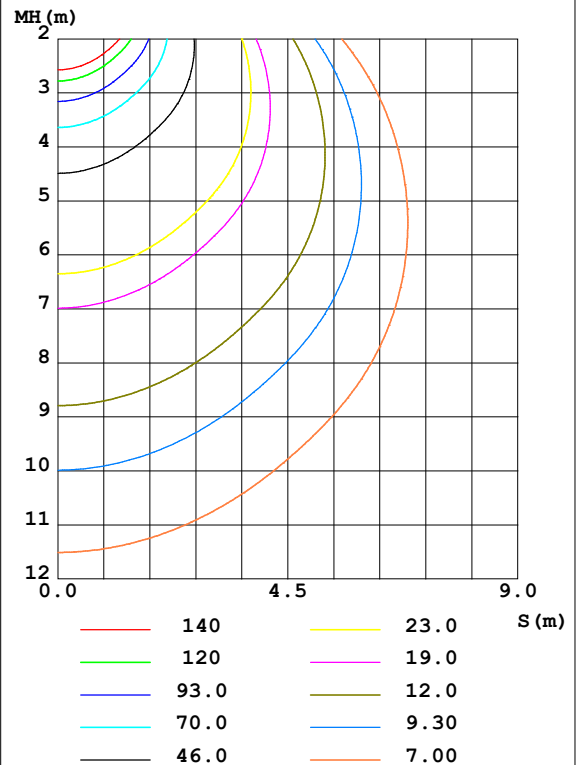
Test:U:122.9V I:0.4080A P:49.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5985.03x1 lm		
NAME: 14代 4FT	TYPE:3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 119.94 lm/W			
MODEL		I _{max} (cd)	927.7	S/MH(C0/180)	1.49
NOMINAL POWER(W)	50W	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	5985.0	η UP,DN(C0-180)	20.0,30.1
NOMINAL FLUX(lm)	5985.03	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	20.2,29.7
LAMPS INSIDE	1	η up(%)	40.2	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120.0	η down(%)	59.8	CIBSE SHR MAX	1.55

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:

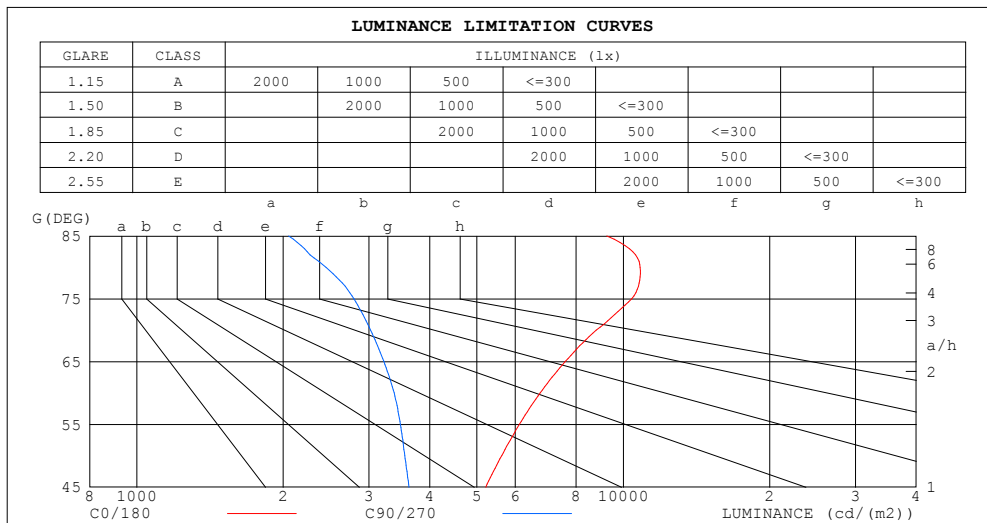
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	917.8	913.3	911.0	917.5	920.1	915.8	911.2	911.7	0- 10	87.90	87.90	1.47,1.47
20	899.5	876.4	862.4	885.6	904.5	882.1	861.8	875.3	10- 20	254.3	342.2	5.72,5.72
30	893.0	824.0	781.6	838.8	895.7	833.5	782.5	826.4	20- 30	396.1	738.3	12.3,12.3
40	894.3	769.8	678.2	787.3	891.7	779.6	676.0	778.7	30- 40	506.0	1244	20.8,20.8
50	867.5	712.4	548.7	729.5	870.5	717.5	548.5	719.0	40- 50	577.7	1822	30.4,30.4
60	809.7	626.1	405.6	653.4	818.2	630.8	401.9	626.4	50- 60	597.7	2420	40.4,40.4
70	722.1	511.5	248.3	547.9	738.2	514.2	243.8	509.5	60- 70	556.0	2976	49.7,49.7
80	451.1	362.9	102.1	392.8	427.1	339.9	93.16	335.9	70- 80	445.5	3421	57.2,57.2
90	7.842	10.26	5.520	23.30	19.77	30.20	2.209	8.712	80- 90	156.5	3578	59.8,59.8
100	200.5	164.5	77.01	226.1	287.4	249.2	72.62	171.9	90-100	97.75	3675	61.4,61.4
110	404.1	310.7	191.6	323.4	439.0	341.7	187.0	311.2	100-110	268.0	3943	65.9,65.9
120	480.5	392.3	308.2	412.0	496.3	424.4	303.2	392.3	110-120	352.8	4296	71.8,71.8
130	540.7	474.1	412.7	487.3	559.5	496.2	410.7	472.5	120-130	394.8	4691	78.4,78.4
140	592.0	537.0	502.8	546.7	603.0	553.4	502.4	535.8	130-140	397.3	5088	85,85
150	621.9	591.6	577.6	602.4	629.7	607.6	577.2	593.3	140-150	359.3	5448	91,91
160	649.2	636.8	632.7	645.0	656.2	648.1	632.9	638.8	150-160	287.2	5735	95.8,95.8
170	669.0	665.6	667.0	670.7	673.3	672.1	667.3	667.2	160-170	185.8	5921	98.9,98.9
180	676.9	676.9	676.9	676.9	676.9	676.9	676.9	676.9	170-180	64.30	5985	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:122.9V I:0.4080A P:49.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5985.03x1 lm		
NAME: 14代 4FT	TYPE:3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.2	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	9249	2053
80	10823	2450
75	10405	2794
70	8797	3025
65	7598	3221
60	6747	3380
55	6116	3482
50	5623	3557
45	5213	3627

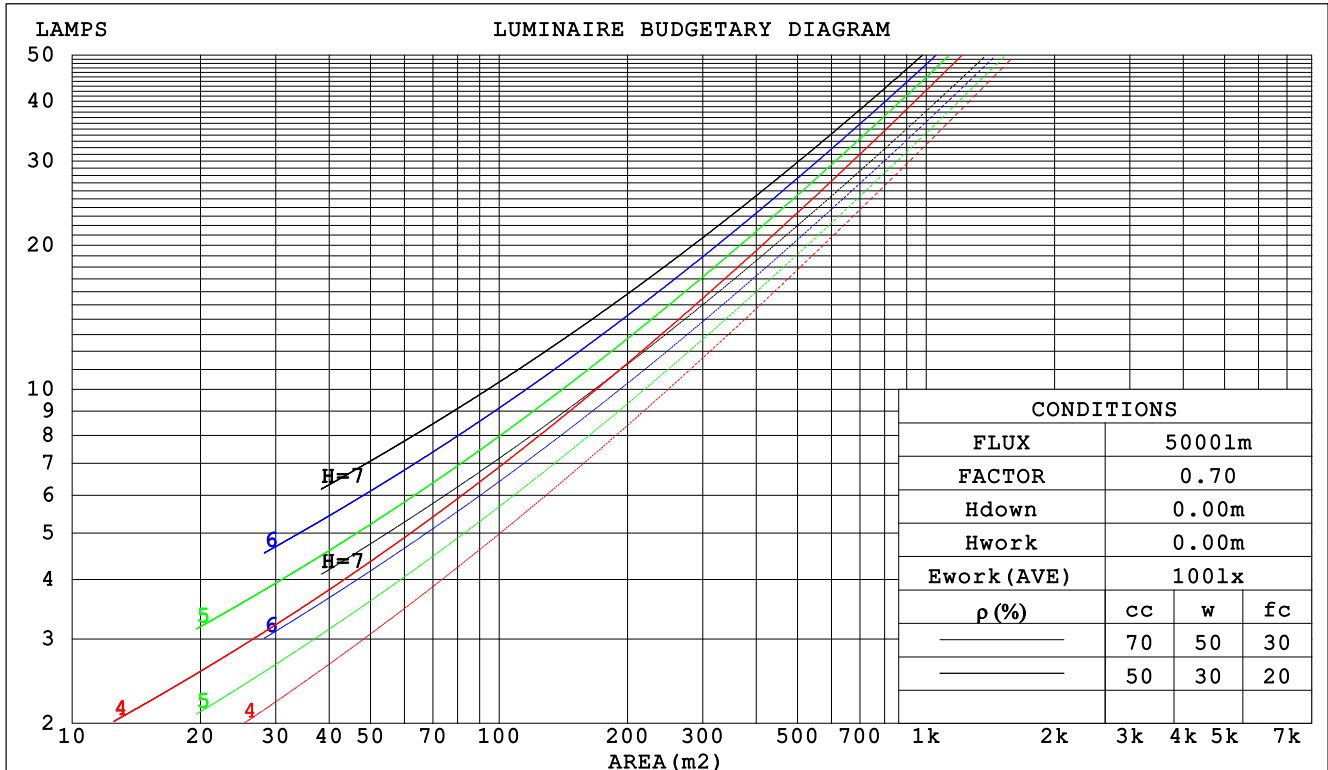
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:122.9V I:0.4080A P:49.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5985.03x1 lm		
NAME: 14代 4FT	TYPE:3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.2	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	1.09	1.09	1.09	1.02	1.02	1.02	.89	.89	.89	.76	.76	.76	.65	.65	.65	.60
1.0	.93	.89	.85	.87	.83	.80	.76	.72	.70	.65	.63	.60	.55	.53	.52	.47
2.0	.80	.73	.67	.75	.69	.63	.65	.60	.56	.56	.52	.49	.47	.44	.42	.37
3.0	.70	.61	.55	.65	.58	.52	.56	.50	.46	.48	.44	.40	.41	.37	.34	.30
4.0	.61	.52	.45	.57	.49	.43	.49	.43	.38	.42	.37	.33	.36	.32	.29	.25
5.0	.54	.45	.38	.50	.42	.36	.44	.37	.32	.38	.32	.28	.32	.28	.25	.21
6.0	.48	.39	.33	.45	.37	.31	.39	.33	.28	.34	.29	.25	.29	.25	.21	.18
7.0	.43	.35	.29	.41	.33	.27	.35	.29	.24	.31	.25	.21	.26	.22	.19	.16
8.0	.39	.31	.25	.37	.29	.24	.32	.26	.21	.28	.23	.19	.24	.20	.17	.14
9.0	.36	.28	.22	.34	.26	.21	.29	.23	.19	.26	.21	.17	.22	.18	.15	.13
10.0	.33	.25	.20	.31	.24	.19	.27	.21	.17	.24	.19	.15	.20	.16	.13	.11



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:122.9V I:0.4080A P:49.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5985.03x1 lm					
NAME: 14代 4FT			TYPE:3000K		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: EVERFINE			SUR.:1.2*0.2		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	.327	.186	.059	.308	.176	.056	.272	.156	.050	.239	.138	.044	.208	.121	.039		
2.0	.298	.163	.050	.280	.154	.048	.247	.138	.043	.217	.122	.038	.189	.107	.034		
3.0	.271	.144	.043	.255	.136	.041	.225	.122	.037	.197	.108	.033	.171	.095	.029		
4.0	.247	.128	.038	.232	.122	.036	.205	.109	.032	.179	.096	.029	.155	.084	.026		
5.0	.226	.115	.033	.213	.109	.032	.188	.098	.029	.164	.087	.026	.142	.076	.023		
6.0	.209	.105	.030	.196	.099	.029	.173	.089	.026	.151	.079	.023	.131	.069	.020		
7.0	.193	.096	.027	.182	.091	.026	.160	.081	.023	.140	.072	.021	.121	.063	.019		
8.0	.180	.088	.025	.169	.083	.024	.149	.075	.021	.131	.066	.019	.113	.058	.017		
9.0	.168	.081	.023	.158	.077	.022	.140	.069	.020	.122	.061	.018	.106	.054	.016		
10.0	.158	.076	.021	.149	.072	.020	.131	.064	.018	.115	.057	.016	.099	.050	.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	.497	.497	.497	.425	.425	.425	.290	.290	.290	.167	.167	.167	.053	.053	.053	
1.0	.491	.465	.442	.420	.399	.380	.287	.275	.263	.165	.159	.153	.053	.051	.049	
2.0	.484	.443	.408	.415	.381	.353	.284	.264	.246	.164	.153	.144	.053	.050	.047	
3.0	.477	.427	.387	.409	.368	.335	.281	.256	.235	.162	.149	.139	.052	.049	.045	
4.0	.470	.415	.373	.404	.359	.324	.278	.250	.228	.161	.146	.135	.052	.048	.044	
5.0	.463	.406	.363	.398	.351	.316	.274	.245	.223	.159	.144	.132	.051	.047	.044	
6.0	.457	.398	.356	.393	.345	.310	.271	.241	.219	.157	.142	.130	.051	.046	.043	
7.0	.450	.392	.351	.387	.340	.306	.268	.238	.217	.155	.140	.129	.050	.046	.043	
8.0	.444	.387	.347	.382	.335	.303	.265	.235	.215	.154	.139	.128	.050	.046	.042	
9.0	.438	.382	.344	.378	.332	.300	.262	.233	.213	.152	.138	.127	.049	.045	.042	
10.0	.433	.378	.342	.373	.328	.298	.259	.231	.212	.151	.137	.126	.049	.045	.042	

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:122.9V I:0.4080A P:49.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5985.03x1 lm										
NAME: 14代 4FT					TYPE:3000K			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:1.2*0.2			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	17.3	18.4	18.0	19.1	20.1	14.6	15.6	15.3	16.4	17.4
3H	20.1	21.0	20.8	21.9	22.8	16.0	17.0	16.7	17.8	18.7
4H	21.5	22.4	22.3	23.3	24.3	16.5	17.4	17.3	18.2	19.3
6H	22.7	23.6	23.6	24.4	25.5	16.9	17.7	17.7	18.6	19.6
8H	23.1	24.0	24.0	24.8	25.9	17.0	17.8	17.8	18.6	19.7
12H	23.4	24.2	24.2	25.0	26.1	17.0	17.8	17.8	18.6	19.7
4H 2H	17.7	18.7	18.5	19.5	20.5	15.8	16.7	16.6	17.6	18.6
3H	20.7	21.5	21.6	22.4	23.4	17.5	18.3	18.3	19.1	20.2
4H	22.3	23.1	23.2	23.9	25.0	18.2	18.9	19.0	19.8	20.9
6H	23.7	24.4	24.6	25.3	26.4	18.7	19.3	19.6	20.2	21.3
8H	24.2	24.8	25.1	25.7	26.9	18.8	19.4	19.7	20.3	21.5
12H	24.5	25.1	25.5	26.0	27.2	18.9	19.4	19.8	20.3	21.5
8H 4H	22.6	23.2	23.5	24.0	25.2	19.3	19.9	20.2	20.8	21.9
6H	24.2	24.7	25.1	25.6	26.8	20.1	20.6	21.0	21.5	22.7
8H	24.8	25.3	25.8	26.2	27.4	20.4	20.8	21.3	21.7	22.9
12H	25.3	25.6	26.2	26.6	27.8	20.5	20.9	21.5	21.8	23.0
12H 4H	22.5	23.1	23.4	24.0	25.1	19.5	20.1	20.4	21.0	22.1
6H	24.2	24.7	25.2	25.6	26.8	20.5	21.0	21.5	21.9	23.1
8H	24.9	25.3	25.9	26.3	27.5	20.9	21.3	21.9	22.2	23.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.1 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 5985 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.2)

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

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

UTILIZATION FACTORS TABLE

Test:U:122.9V I:0.4080A P:49.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5985.03x1 lm		
NAME: 14代 4FT	TYPE:3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.2	Shielding Angle:

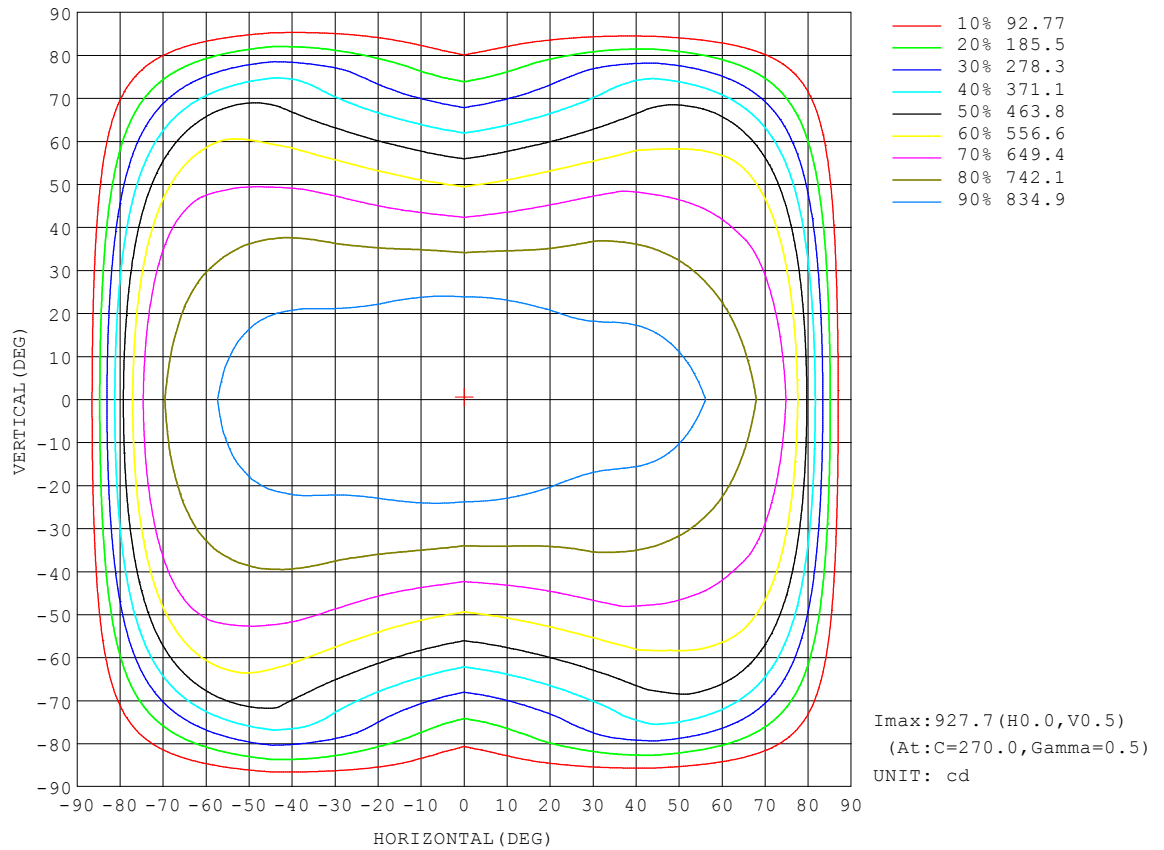
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	43	31	25	41	30	24	37	28	22	15
0.80	52	40	32	50	38	31	45	35	29	20
1.00	60	48	40	57	46	38	51	43	35	24
1.25	67	55	47	63	53	45	56	48	41	29
1.50	73	61	53	68	58	51	60	52	46	32
2.00	80	70	62	75	66	59	66	59	53	37
2.50	85	75	68	79	71	65	69	63	58	40
3.00	89	80	73	83	76	70	72	67	62	43
4.00	93	86	80	87	81	76	76	71	68	46
5.00	96	90	85	90	85	80	78	74	71	48
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:122.9V I:0.4080A P:49.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5985.03x1 lm		
NAME: 14代 4FT	TYPE:3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.2	Shielding Angle:

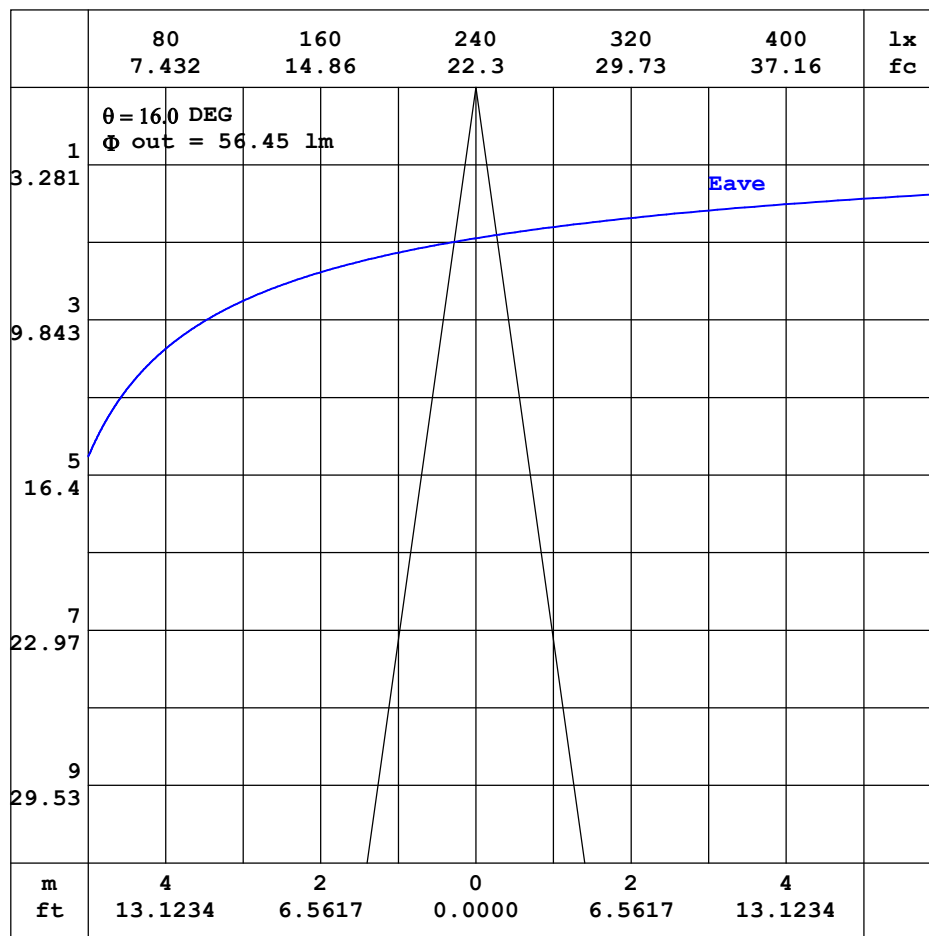


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:

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:122.9V I:0.4080A P:49.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5985.03x1 lm		
NAME: 14代 4FT	TYPE:3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.2	Shielding Angle:



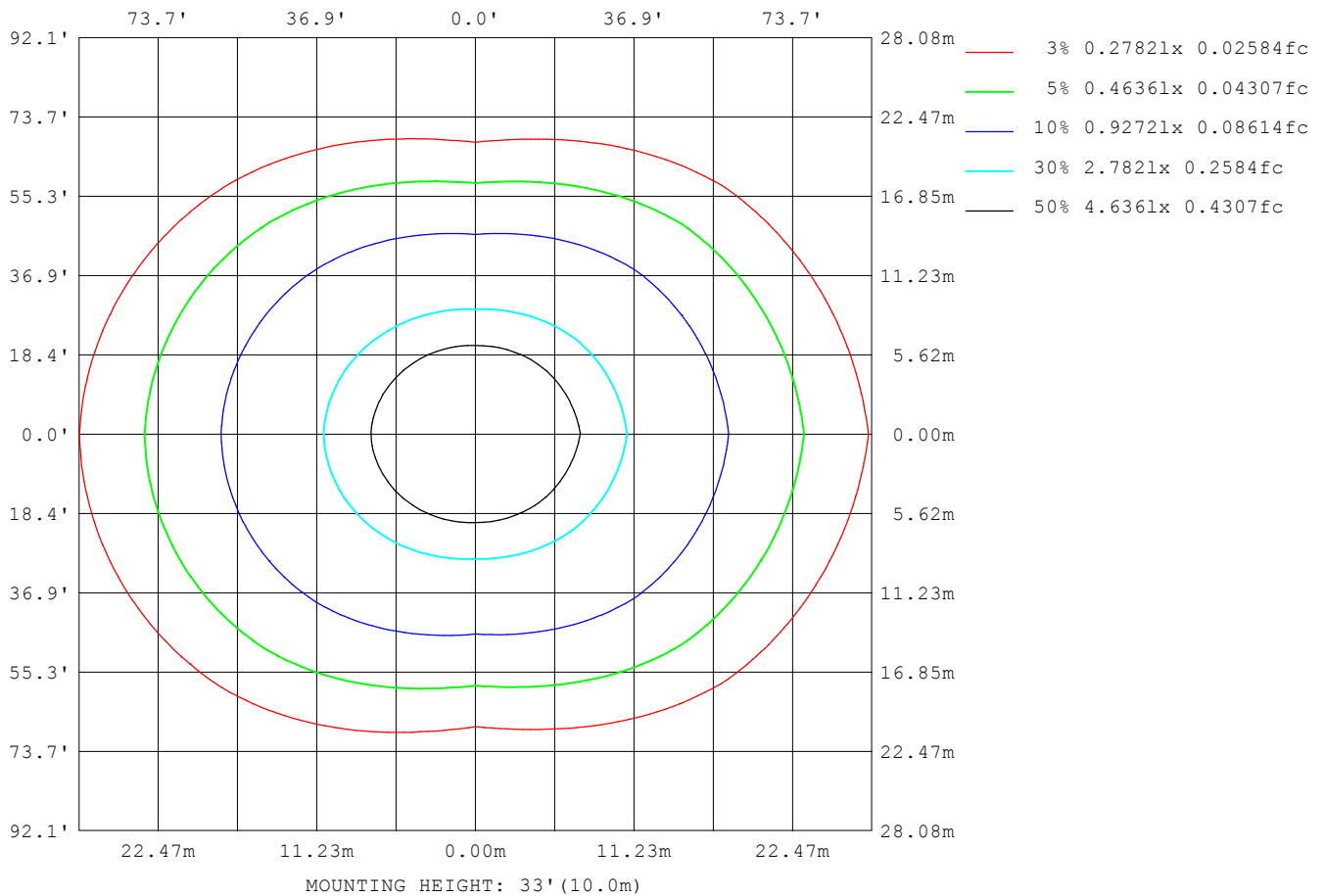
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:122.9V I:0.4080A P:49.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5985.03x1 lm		
NAME: 14代 4FT	TYPE:3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.2	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:122.9V I:0.4080A P:49.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5985.03x1 lm		
NAME: 14代 4FT	TYPE:3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.2	Shielding Angle:

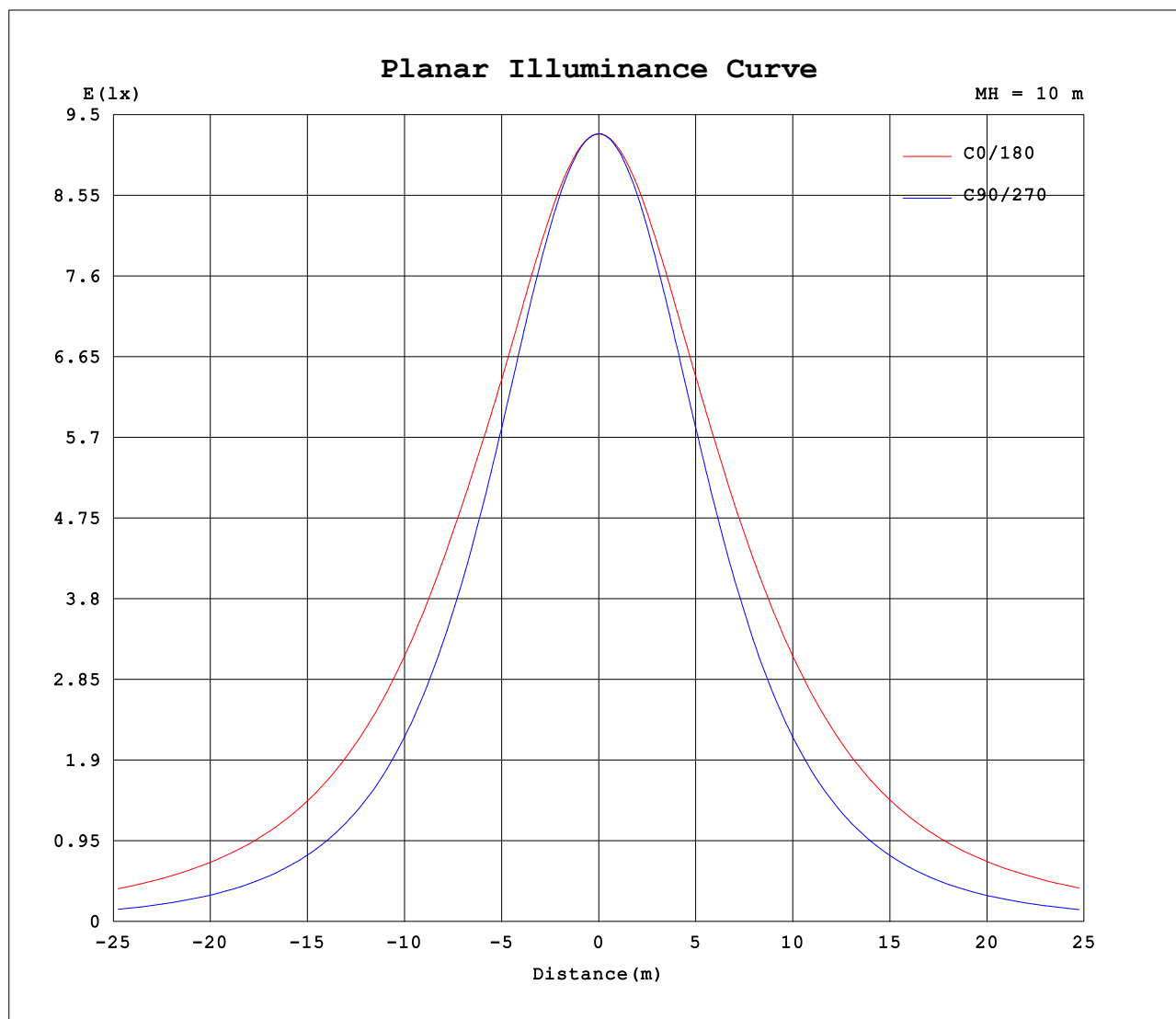
AvgL	cd/m2
L_0~180 (65) av	7655
L_0~180 (75) av	10310
L_0~180 (85) av	8698
L_90~270 (65) av	3202
L_90~270 (75) av	2741
L_90~270 (85) av	1810
L_45 (65) av	5723
L_45 (75) av	7380
L_45 (85) av	8138

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:122.9V I:0.4080A P:49.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5985.03x1 lm		
NAME: 14代 4FT	TYPE:3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.2	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	927	927	927	927	927	927	927	927	927	927	927	927	927	927	927	928	928	928	928
5	925	924	924	924	924	924	924	924	923	923	923	923	923	923	923	923	923	923	923
10	918	917	917	916	916	915	915	914	914	913	913	912	912	912	911	911	911	911	911
15	909	907	906	904	903	902	901	899	898	897	896	895	894	893	892	891	891	891	891
20	900	896	894	891	888	886	883	881	879	876	874	872	869	867	866	864	863	863	862
25	893	887	882	877	873	868	864	859	855	851	847	843	839	835	832	829	827	826	825
30	893	884	875	867	859	851	844	837	830	824	817	810	803	798	792	788	785	783	782
35	896	883	871	859	847	836	825	815	805	796	785	775	765	757	749	743	738	734	732
40	894	879	864	849	835	821	808	795	782	770	755	741	727	715	704	695	687	682	678
45	885	868	852	836	820	805	789	774	759	744	724	705	687	670	654	641	630	621	616
50	867	851	834	817	800	782	765	748	730	712	688	664	641	620	600	582	568	556	549
55	842	824	807	788	770	751	732	713	693	673	645	617	590	564	541	520	502	489	479
60	810	791	772	753	733	712	691	670	648	626	594	562	532	503	476	452	432	416	406
65	771	751	730	710	688	666	643	620	596	572	536	501	467	435	405	378	356	339	327
70	722	701	680	658	635	612	588	563	538	512	474	436	399	364	332	304	280	261	248
75	646	628	608	588	567	545	521	497	473	447	408	369	331	295	262	232	207	187	174
80	451	450	446	441	433	423	411	397	381	363	329	294	259	225	193	164	138	117	102
85	193	198	200	201	201	199	196	191	185	178	161	143	125	107	90.6	75.1	61.6	50.7	42.9
90	7.84	8.46	9.00	9.45	9.80	10.1	10.3	10.3	10.3	10.3	9.55	8.78	8.01	7.28	6.61	6.07	5.67	5.48	5.52
95	45.3	46.7	47.9	48.7	49.4	49.7	49.8	49.7	49.3	48.6	45.0	41.3	37.7	34.5	31.9	30.0	29.0	29.2	30.8
100	201	199	197	194	191	187	182	177	171	165	152	139	127	115	104	94.1	86.2	80.3	77.0
105	302	301	299	296	292	287	280	273	265	256	240	223	206	189	174	160	148	138	131
110	404	395	386	376	366	355	345	334	322	311	294	277	260	245	230	217	206	197	192
115	453	441	429	418	406	394	383	371	360	348	333	319	305	292	280	270	261	255	251
120	480	470	461	451	441	431	421	412	402	392	379	367	355	344	333	324	317	312	308
125	509	501	493	484	476	468	460	451	443	435	424	413	403	393	384	376	370	365	362
130	541	533	525	518	510	503	496	488	481	474	465	455	447	438	431	425	419	415	413
135	568	561	554	547	540	533	527	520	514	508	500	493	486	479	474	469	465	462	460
140	592	585	578	571	565	559	553	547	542	537	531	526	520	516	512	508	506	504	503
145	609	603	597	592	587	582	577	573	569	565	561	557	553	550	548	546	544	543	543
150	622	618	614	610	606	603	600	597	594	592	589	586	584	582	580	579	578	578	578
155	635	633	630	628	625	623	621	619	618	616	614	613	611	610	609	608	607	607	607
160	649	647	646	644	643	641	640	639	638	637	636	635	634	633	633	633	632	632	633
165	661	659	658	657	656	656	655	654	654	653	653	652	652	652	652	652	652	652	653
170	669	668	668	667	667	667	666	666	666	666	666	666	666	666	666	666	666	667	667
175	675	675	674	674	674	674	674	674	674	674	674	674	674	674	675	675	675	675	676
180	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677

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:122.9V I:0.4080A P:49.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5985.03x1 lm		
NAME: 14代 4FT	TYPE:3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.2	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	928	927	927	927	927	927	927	927	927	927	927	927	927	927	927	927	927	927	927
5	924	924	924	924	924	925	925	925	925	925	925	925	926	926	926	926	926	926	926
10	912	912	913	914	914	915	916	917	917	918	918	919	919	920	920	920	920	920	920
15	892	893	894	896	897	899	900	902	904	905	907	908	909	910	911	912	912	913	912
20	864	866	868	871	873	876	879	882	886	889	891	894	897	899	901	903	904	904	903
25	828	831	834	838	843	848	853	858	863	869	874	879	883	888	891	894	897	898	896
30	785	789	795	801	807	815	823	831	839	847	856	864	871	878	884	889	893	896	892
35	737	743	750	759	769	779	790	801	813	825	837	848	859	869	877	884	890	894	889
40	684	692	702	714	727	741	756	772	787	803	818	833	847	859	870	880	887	892	886
45	623	634	647	663	680	699	719	739	759	778	797	815	832	847	860	871	879	885	878
50	559	573	590	609	631	655	679	704	729	752	773	793	812	829	844	856	865	870	863
55	492	509	529	553	579	607	636	666	695	720	744	766	786	805	820	833	843	848	840
60	420	440	463	491	521	553	586	620	653	681	707	731	753	772	789	803	812	818	809
65	343	365	392	423	457	493	530	568	605	635	663	690	713	734	752	766	776	782	772
70	266	290	319	352	388	427	467	508	548	580	610	639	664	687	706	721	732	738	727
75	193	219	250	285	323	363	405	446	487	514	540	562	583	600	614	624	631	635	626
80	122	148	178	211	247	284	322	358	393	407	418	426	432	435	436	435	432	427	424
85	55.9	71.8	90.1	110	131	152	173	192	210	211	211	208	204	198	192	185	178	170	170
90	7.18	9.07	11.1	13.2	15.4	17.6	19.6	21.6	23.3	23.3	23.1	22.7	22.3	21.7	21.1	20.6	20.1	19.8	21.2
95	40.1	50.8	62.4	74.8	87.8	101	114	127	139	147	155	161	167	172	176	179	181	182	183
100	87.8	101	116	133	151	170	189	208	226	237	248	257	265	272	277	282	285	287	289
105	141	153	168	185	204	224	245	265	286	302	317	331	344	356	366	374	381	385	384
110	199	209	221	235	251	268	286	305	323	341	357	373	389	402	414	425	433	439	436
115	258	267	278	290	305	320	336	352	369	383	398	412	425	437	447	456	463	468	465
120	314	322	332	343	356	369	383	398	412	425	437	449	460	470	479	486	492	496	494
125	367	374	383	393	404	415	427	440	453	464	476	486	496	506	514	521	526	530	528
130	417	422	429	437	446	456	466	477	487	498	508	518	528	536	544	550	556	560	557
135	463	467	472	478	485	493	501	509	518	527	537	546	555	563	570	576	581	585	582
140	505	508	512	517	522	527	534	540	547	555	562	570	577	584	590	596	600	603	601
145	544	547	550	553	557	561	566	570	575	581	587	592	598	603	607	611	614	617	615
150	579	581	583	586	589	592	595	599	602	606	610	614	617	621	624	626	628	630	629
155	608	610	612	614	616	618	621	623	626	628	631	633	636	638	639	641	642	643	643
160	634	635	636	637	639	640	642	643	645	647	648	650	651	653	654	655	656	656	656
165	653	654	655	656	656	657	658	659	660	661	662	663	664	664	665	666	666	666	666
170	667	668	668	669	669	669	670	670	671	671	672	672	672	672	673	673	673	673	673
175	676	676	676	676	677	677	677	677	677	677	677	677	677	677	678	678	678	678	678
180	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677

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:122.9V I:0.4080A P:49.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5985.03x1 lm		
NAME: 14代 4FT	TYPE:3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:1.2*0.2	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	927	927	927	927	927	927	927	927	927	927	927	927	927	928	928	928	928	928	927
5	925	925	925	925	925	925	925	924	924	924	924	924	924	924	924	924	924	923	923
10	919	919	919	918	918	917	916	916	915	915	914	914	913	912	912	912	911	911	911
15	911	910	909	907	906	905	903	901	900	898	897	896	894	893	892	891	891	891	891
20	902	899	897	894	892	888	885	882	879	876	874	871	869	866	865	863	862	862	863
25	893	889	885	881	876	870	865	859	854	849	845	840	836	833	830	827	825	826	828
30	888	882	875	868	859	851	842	834	826	818	811	804	798	793	789	785	783	784	787
35	883	874	865	855	843	832	819	807	796	785	774	765	756	748	741	736	733	735	740
40	878	867	855	842	827	812	796	780	764	749	734	721	708	697	688	681	676	681	688
45	868	856	841	825	807	789	769	749	729	710	691	673	657	643	631	621	615	622	632
50	852	838	822	804	784	763	740	717	693	669	645	623	603	585	569	557	549	557	570
55	828	813	796	776	753	730	705	679	650	622	594	567	543	521	503	488	477	488	502
60	796	780	760	738	713	687	659	631	598	566	535	505	477	452	431	414	402	414	430
65	757	739	718	693	666	637	607	576	540	504	470	437	406	379	355	336	323	336	354
70	711	691	668	641	612	581	548	514	476	438	400	365	332	303	278	258	244	258	277
75	614	599	580	559	535	509	481	451	413	373	335	298	263	232	205	183	167	182	204
80	420	413	406	396	385	372	357	340	309	276	243	211	181	153	129	108	93.2	107	127
85	170	170	170	169	167	165	162	157	143	127	112	95.6	80.2	65.8	52.7	41.6	32.8	38.0	45.7
90	22.7	24.3	25.8	27.2	28.4	29.4	30.0	30.2	27.6	24.7	21.5	18.2	14.7	11.3	8.01	4.95	2.21	2.15	2.48
95	183	182	180	176	172	167	161	153	139	124	109	93.8	78.6	64.0	50.3	37.8	26.9	26.3	27.3
100	289	288	285	281	275	268	260	249	229	207	185	163	142	121	103	86.2	72.6	76.4	83.0
105	381	375	368	359	348	336	322	307	284	261	237	215	193	173	155	139	128	135	146
110	430	423	413	401	388	374	358	342	321	300	280	260	241	224	209	197	187	193	201
115	460	454	445	435	424	411	398	383	365	347	329	311	295	279	266	255	246	250	256
120	490	484	477	469	459	448	437	424	409	393	377	361	347	333	321	311	303	307	312
125	524	518	512	504	495	485	474	463	449	435	422	408	396	384	374	365	359	361	366
130	553	548	541	534	525	516	506	496	485	473	462	451	441	431	423	416	411	413	417
135	578	573	567	560	552	543	535	526	516	507	498	490	482	474	468	463	459	460	463
140	597	593	588	582	575	568	561	553	546	539	532	526	520	514	509	505	502	503	505
145	613	610	606	602	597	592	587	581	576	571	565	560	556	551	548	544	542	542	543
150	628	626	624	621	618	615	611	608	604	600	596	592	588	585	582	579	577	577	578
155	642	641	640	638	636	634	632	630	627	624	621	619	616	613	611	609	608	608	608
160	656	655	654	653	652	651	650	648	646	644	642	641	639	637	635	634	633	633	633
165	666	666	665	665	664	664	663	662	661	660	659	657	656	655	654	653	653	653	653
170	673	673	673	673	673	673	672	672	672	671	671	670	669	669	668	668	667	667	667
175	678	678	678	678	678	678	678	678	677	677	677	677	677	677	676	676	676	676	676
180	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677

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:122.9V I:0.4080A P:49.90W PF:0.9900 Freq:60.00Hz Lamp Flux:5985.03x1 lm																	
NAME: 14代 4FT									TYPE:3000K						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: EVERFINE									SUR.:1.2*0.2						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	927	927	927	927	927	927	927	927	927	927	927	927	927	927	927				
5	923	923	923	922	922	922	922	922	922	923	923	923	923	924	924				
10	911	911	911	911	911	911	912	912	913	913	914	914	915	916	917				
15	891	891	892	892	893	894	895	896	898	899	900	902	903	905	907				
20	864	865	867	868	871	873	875	877	880	882	885	887	890	893	896				
25	830	832	835	839	843	847	852	855	860	864	868	873	877	882	887				
30	790	795	800	806	812	819	826	833	839	846	853	861	868	876	884				
35	746	753	761	770	780	791	802	811	821	831	841	851	862	873	885				
40	697	708	720	733	748	763	779	791	803	816	828	841	854	867	881				
45	644	659	675	693	712	732	752	767	782	797	812	826	841	856	870				
50	586	604	624	647	670	695	719	737	754	771	788	804	820	836	852				
55	521	543	567	593	621	649	677	697	717	736	755	773	791	808	825				
60	451	475	502	532	563	594	626	649	671	692	713	733	753	772	791				
65	376	403	433	465	499	534	569	594	618	641	664	687	709	730	751				
70	302	331	363	398	434	472	510	536	561	586	611	634	657	679	701				
75	230	261	295	332	371	410	449	475	500	524	547	569	590	610	629				
80	150	177	207	239	271	304	336	355	373	388	403	416	427	437	445				
85	55.4	66.8	79.5	93.2	107	122	136	145	153	160	167	174	179	185	189				
90	2.85	3.33	4.24	5.30	6.43	7.59	8.71	8.98	9.16	9.24	9.24	9.14	8.95	8.67	8.30				
95	29.6	33.1	37.5	42.3	47.5	52.7	57.7	58.4	58.6	58.3	57.5	56.1	54.2	51.8	48.8				
100	92.2	103	116	130	144	158	172	179	184	189	193	197	199	200	201				
105	160	176	193	212	231	250	268	277	285	291	296	300	303	304	304				
110	213	226	241	258	275	293	311	323	335	346	356	367	377	386	395				
115	265	276	288	302	317	332	348	360	371	383	395	406	418	430	441				
120	320	329	340	352	365	379	392	402	412	422	432	441	451	461	471				
125	373	381	390	400	411	422	434	442	451	459	467	476	484	493	501				
130	422	428	436	444	453	463	472	480	487	495	502	510	517	525	533				
135	466	471	477	483	490	498	506	512	518	525	532	539	546	553	561				
140	507	510	514	519	524	530	536	541	546	552	558	564	571	578	585				
145	545	547	550	553	557	561	565	569	573	577	582	587	592	597	603				
150	579	581	583	585	587	590	593	596	599	601	605	608	611	614	618				
155	609	610	611	613	614	616	618	620	621	623	625	627	629	631	633				
160	633	634	635	635	636	638	639	640	641	642	643	644	645	646	648				
165	653	653	653	654	654	655	655	656	656	657	657	658	658	659	660				
170	667	667	667	667	667	667	667	667	667	668	668	668	668	668	669				
175	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675				
180	677	677	677	677	677	677	677	677	677	677	677	677	677	677	677				

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: