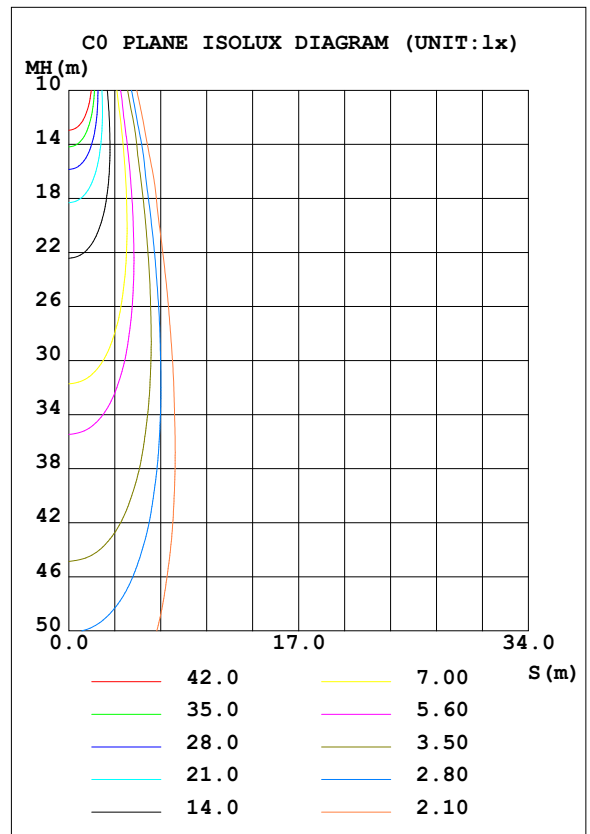
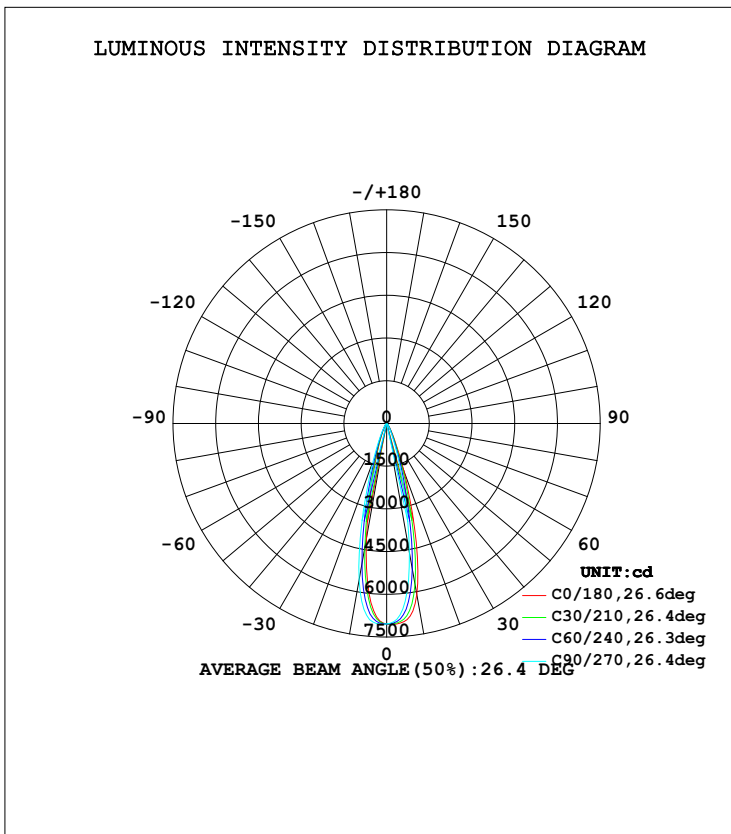


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:265.0V I:0.3970A P:54.10W PF:0.5142 Lamp Flux:1806.17x1 lm		
NAME: XENA	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: CLF Lighting	SUR.:φ0.11	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 33.39 lm/W
MODEL	HYP010F	I <sub>max</sub> (cd)	7059	S/MH (C0/180)	0.49	
NOMINAL POWER (W)	55	LOR (%)	100.0	S/MH (C90/270)	0.41	
RATED VOLTAGE (V)	95-265	TOTAL FLUX (lm)	1806.2	η UP, DN (C0-180)	0.0, 52.6	
NOMINAL FLUX (lm)	1806.17	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 47.4	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE (V)	265	η down (%)	100.0	CIBSE SHR MAX	1.00	



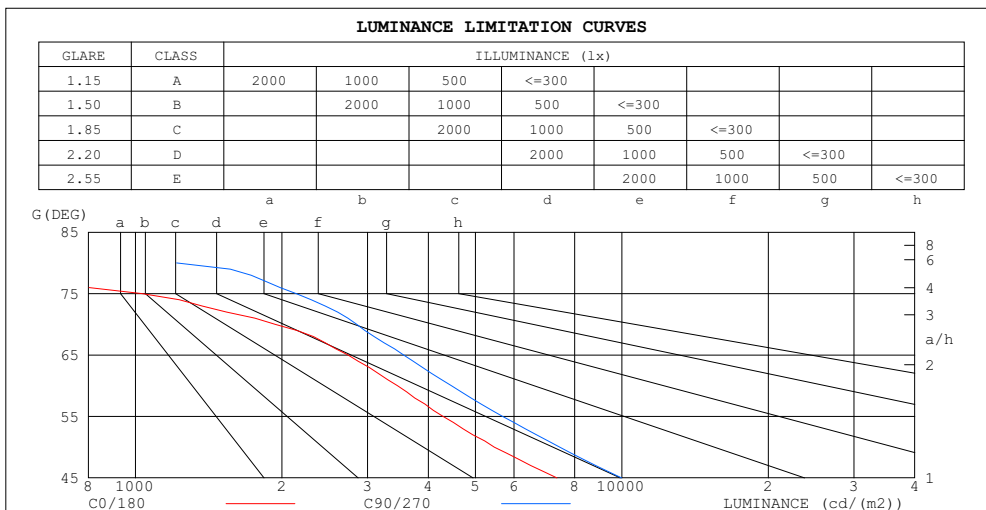
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 Operators: Bill  
 Test Date: 2015-03-18

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity: 52.5%  
 Test Distance: 2.500m [K=0.9892]  
 Remarks:

**ZONAL FLUX DIAGRAM  
 AND LUMINANCE LIMITATION CURVES**

**ZONAL FLUX DIAGRAM:**

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	4092	4745	5572	6102	6099	5451	4607	4060	0- 10	587.2	587.2	32.5,32.5
20	795.0	1009	1348	1779	1761	1292	975.1	790.9	10- 20	763.4	1351	74.8,74.8
30	197.9	237.3	291.0	351.4	344.3	280.1	233.2	195.5	20- 30	264.7	1615	89.4,89.4
40	74.94	87.69	100.2	115.4	113.0	95.63	85.71	75.09	30- 40	98.66	1714	94.9,94.9
50	33.38	39.28	45.52	48.32	47.14	41.95	39.46	34.19	40- 50	48.38	1762	97.6,97.6
60	16.42	18.76	21.20	22.43	22.07	19.82	18.13	16.27	50- 60	25.66	1788	99,99
70	6.301	7.735	9.266	10.01	10.22	8.491	7.431	6.251	60- 70	13.16	1801	99.7,99.7
80	0.3795	0.7258	2.005	2.374	2.149	1.401	0.7421	0.3437	70- 80	4.646	1806	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.2962	1806	100,100
100	0	0	0	0	0	0	0	0	90-100	0	1806	100,100
110	0	0	0	0	0	0	0	0	100-110	0	1806	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1806	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1806	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1806	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1806	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1806	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1806	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1806	100,100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 2.3 %									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	0	141
80	230	1215
75	1033	2142
70	1939	2852
65	2735	3557
60	3457	4462
55	4288	5686
50	5467	7455
45	7350	9985

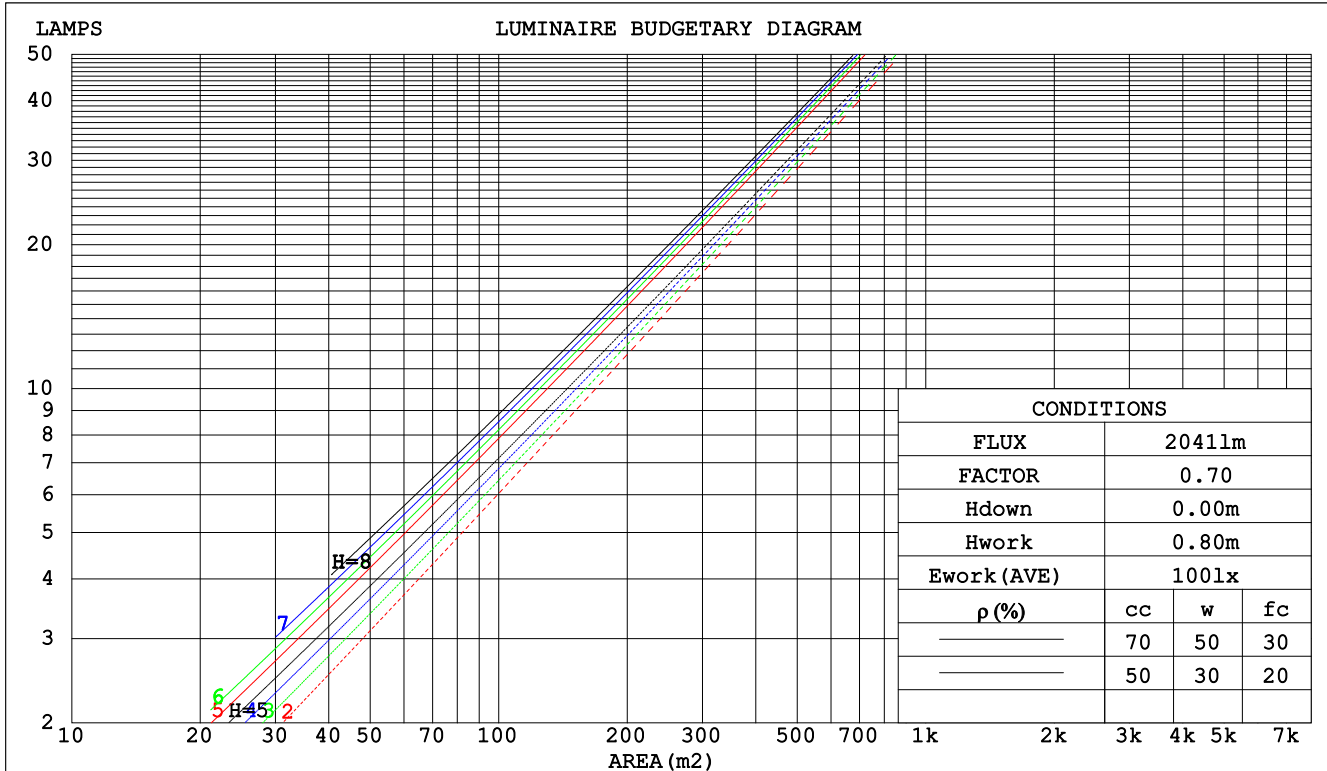
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Bill  
 Test Date:2015-03-18

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:52.5%  
 Test Distance:2.500m [K=0.9892]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:265.0V I:0.3970A P:54.10W PF:0.5142 Lamp Flux:1806.17x1 lm		
NAME: XENA	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: CLF Lighting	SUR.:φ0.11	Shielding Angle:

ρ <sub>cc</sub>	80%			70%			50%			30%			10%			0
ρ <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.12	1.10	1.09	1.10	1.08	1.07	1.06	1.05	1.04	1.03	1.01	1.00	.99	.98	.98	.96
2.0	1.07	1.03	1.01	1.05	1.02	.99	1.02	.99	.97	.99	.97	.95	.96	.95	.93	.92
3.0	1.01	.98	.94	1.00	.97	.94	.98	.95	.92	.95	.93	.91	.93	.91	.90	.88
4.0	.97	.93	.90	.96	.92	.89	.94	.91	.88	.92	.89	.87	.90	.88	.86	.85
5.0	.93	.89	.85	.92	.88	.85	.91	.87	.84	.89	.86	.84	.88	.85	.83	.82
6.0	.90	.85	.82	.89	.85	.82	.87	.84	.81	.86	.83	.81	.85	.82	.80	.79
7.0	.86	.82	.79	.86	.82	.79	.85	.81	.78	.84	.80	.78	.83	.80	.77	.76
8.0	.83	.79	.76	.83	.79	.76	.82	.78	.76	.81	.78	.75	.80	.77	.75	.74
9.0	.81	.76	.73	.80	.76	.73	.80	.76	.73	.79	.75	.73	.78	.75	.73	.72
10.0	.78	.74	.71	.78	.74	.71	.77	.74	.71	.77	.73	.71	.76	.73	.71	.70



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Bill  
 Test Date:2015-03-18

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:52.5%  
 Test Distance:2.500m [K=0.9892]  
 Remarks:

WEC AND CCEC

Test:U:265.0V I:0.3970A P:54.10W PF:0.5142 Lamp Flux:1806.17x1 lm		
NAME: XENA	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: CLF Lighting	SUR.:φ0.11	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.147	.083	.026	.140	.080	.025	.128	.073	.023	.116	.067	.021	.106	.061	.020	
2.0	.137	.075	.023	.132	.072	.022	.121	.067	.021	.112	.063	.020	.103	.058	.018	
3.0	.128	.068	.020	.124	.066	.020	.115	.062	.019	.107	.059	.018	.100	.055	.017	
4.0	.120	.062	.018	.116	.061	.018	.109	.058	.017	.102	.055	.017	.096	.052	.016	
5.0	.113	.058	.017	.110	.056	.016	.104	.054	.016	.098	.052	.015	.092	.049	.015	
6.0	.107	.054	.015	.104	.053	.015	.099	.051	.015	.094	.049	.014	.089	.047	.014	
7.0	.102	.050	.014	.099	.049	.014	.094	.048	.014	.090	.046	.013	.086	.045	.013	
8.0	.097	.047	.013	.094	.047	.013	.090	.045	.013	.086	.044	.013	.083	.042	.012	
9.0	.092	.045	.012	.090	.044	.012	.087	.043	.012	.083	.042	.012	.080	.041	.012	
10.0	.088	.042	.012	.086	.042	.012	.083	.041	.011	.080	.040	.011	.077	.039	.011	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.169	.158	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.117	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.137	.113	.094	.118	.098	.082	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.125	.098	.078	.107	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.115	.086	.065	.099	.074	.056	.068	.052	.040	.039	.030	.024	.013	.010	.008	
6.0	.106	.076	.054	.091	.066	.047	.063	.046	.034	.037	.027	.020	.012	.009	.007	
7.0	.099	.068	.046	.085	.059	.041	.059	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.092	.061	.040	.079	.053	.035	.055	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.087	.056	.035	.075	.048	.030	.052	.034	.022	.030	.020	.013	.010	.007	.004	
10.0	.082	.051	.031	.070	.044	.027	.049	.031	.019	.028	.018	.011	.009	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Bill  
 Test Date:2015-03-18

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:52.5%  
 Test Distance:2.500m [K=0.9892]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:265.0V I:0.3970A P:54.10W PF:0.5142 Lamp Flux:1806.17x1 lm										
NAME: XENA					TYPE:LED			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:1		
MFR.: CLF Lighting					SUR.:φ0.11			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	11.1	11.8	11.3	12.0	12.1	12.3	13.1	12.6	13.2	13.4
3H	11.3	12.0	11.6	12.2	12.4	12.7	13.3	12.9	13.5	13.7
4H	11.3	12.0	11.6	12.2	12.4	12.8	13.4	13.0	13.6	13.8
6H	11.3	11.9	11.6	12.1	12.3	12.7	13.3	13.0	13.6	13.8
8H	11.2	11.8	11.5	12.0	12.3	12.7	13.3	13.0	13.5	13.8
12H	11.2	11.7	11.5	12.0	12.3	12.7	13.2	13.0	13.5	13.7
4H 2H	11.3	11.9	11.5	12.1	12.3	12.4	13.0	12.7	13.2	13.4
3H	11.6	12.1	11.9	12.4	12.7	12.8	13.4	13.1	13.6	13.9
4H	11.6	12.1	11.9	12.4	12.7	12.9	13.4	13.3	13.7	14.0
6H	11.5	12.0	11.9	12.3	12.6	12.9	13.4	13.3	13.7	14.0
8H	11.5	11.9	11.9	12.2	12.6	12.9	13.3	13.3	13.6	14.0
12H	11.4	11.8	11.8	12.2	12.5	12.8	13.2	13.2	13.6	14.0
8H 4H	11.6	12.0	11.9	12.3	12.7	12.8	13.3	13.2	13.6	14.0
6H	11.5	11.8	11.9	12.2	12.6	12.8	13.2	13.3	13.6	14.0
8H	11.4	11.7	11.8	12.1	12.6	12.8	13.1	13.2	13.5	13.9
12H	11.3	11.6	11.8	12.0	12.5	12.7	13.0	13.2	13.4	13.9
12H 4H	11.5	11.9	11.9	12.3	12.6	12.8	13.2	13.2	13.5	13.9
6H	11.4	11.7	11.9	12.1	12.6	12.8	13.1	13.2	13.5	13.9
8H	11.3	11.6	11.8	12.1	12.5	12.7	13.0	13.2	13.4	13.9
Variations with the observer position at spacings:										
S = 1.0H	+ 1.3 / - 1.9					+ 1.4 / - 1.7				
1.5H	+ 1.6 / - 1.4					+ 2.3 / - 1.5				
2.0H	+ 2.1 / - 1.9					+ 2.6 / - 1.7				

CIE Pub.117 Corrected 1806 lm Total Lamp Luminous Flux. (8log(F/F0) = 2.1)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Bill  
 Test Date:2015-03-18

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:52.5%  
 Test Distance:2.500m [K=0.9892]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:265.0V I:0.3970A P:54.10W PF:0.5142 Lamp Flux:1806.17x1 lm		
NAME: XENA	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: CLF Lighting	SUR.:φ0.11	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	88	82	79	88	82	78	87	82	78	75
0.80	96	90	86	95	90	86	94	89	86	82
1.00	100	94	91	99	94	91	97	94	90	86
1.25	104	99	95	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	100	97	93
2.00	109	105	102	107	104	101	105	102	99	94
2.50	111	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	96
4.00	114	111	109	112	110	108	108	107	105	98
5.00	115	113	111	113	111	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Bill  
 Test Date:2015-03-18

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:52.5%  
 Test Distance:2.500m [K=0.9892]  
 Remarks:

ISOCANDELA DIAGRAM

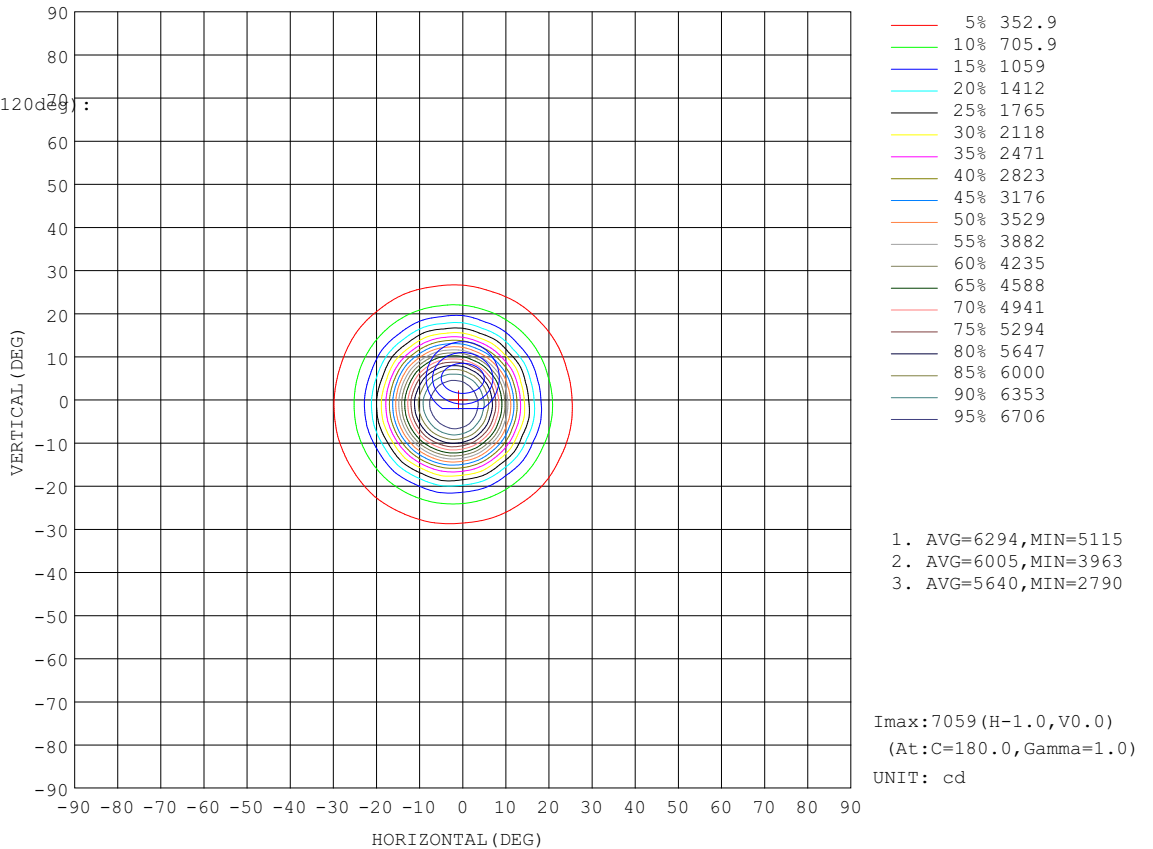
Test:U:265.0V I:0.3970A P:54.10W PF:0.5142 Lamp Flux:1806.17x1 lm		
NAME: XENA	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: CLF Lighting	SUR.:φ0.11	Shielding Angle:

Conical surface Flux(90deg):

1742.1 lm  
 %lum = 96.5%  
 %lamp = 96.5%

Conical surface Flux(120deg):

1788.1 lm  
 %lum = 99.0%  
 %lamp = 99.0%

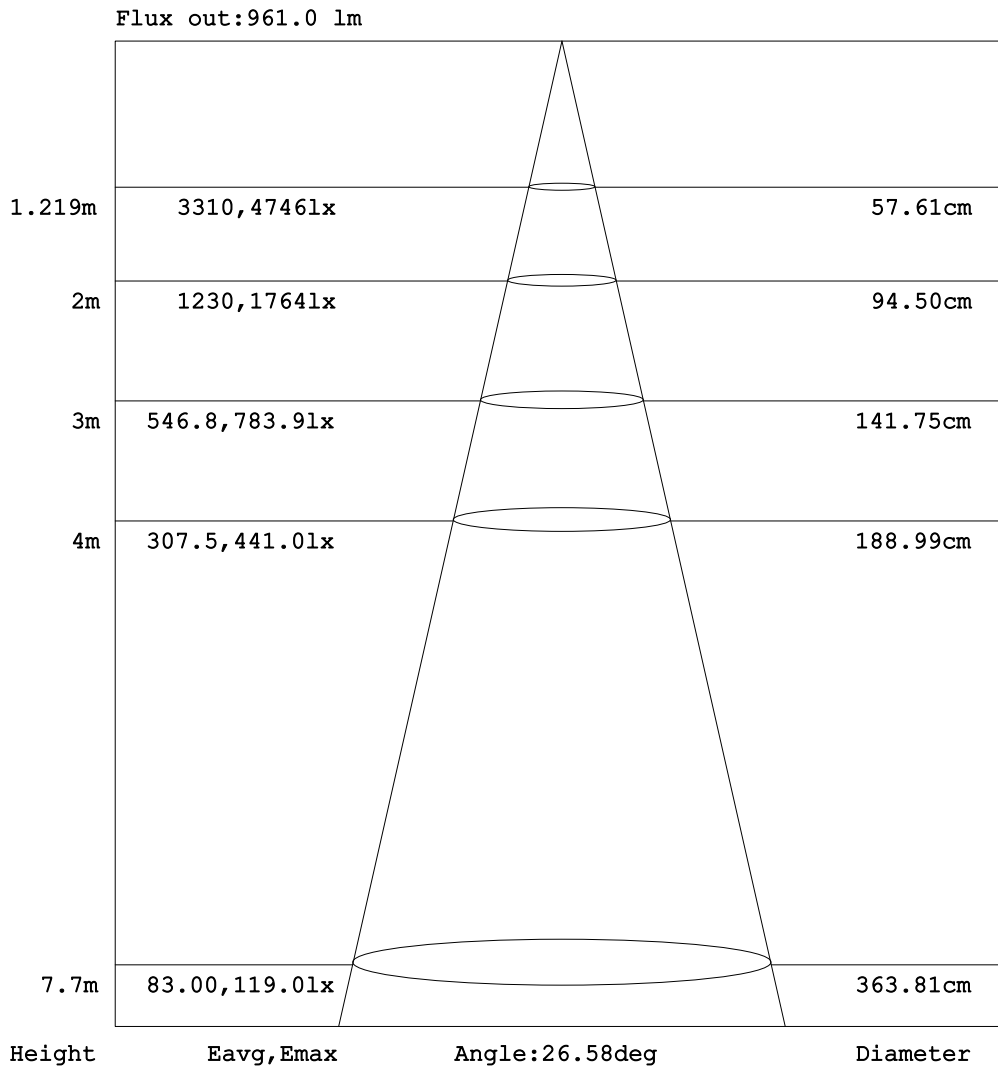


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Bill  
 Test Date:2015-03-18

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:52.5%  
 Test Distance:2.500m [K=0.9892]  
 Remarks:

AAI Figure

Test:U:265.0V I:0.3970A P:54.10W PF:0.5142 Lamp Flux:1806.17x1 lm		
NAME: XENA	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: CLF Lighting	SUR.:φ0.11	Shielding Angle:



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

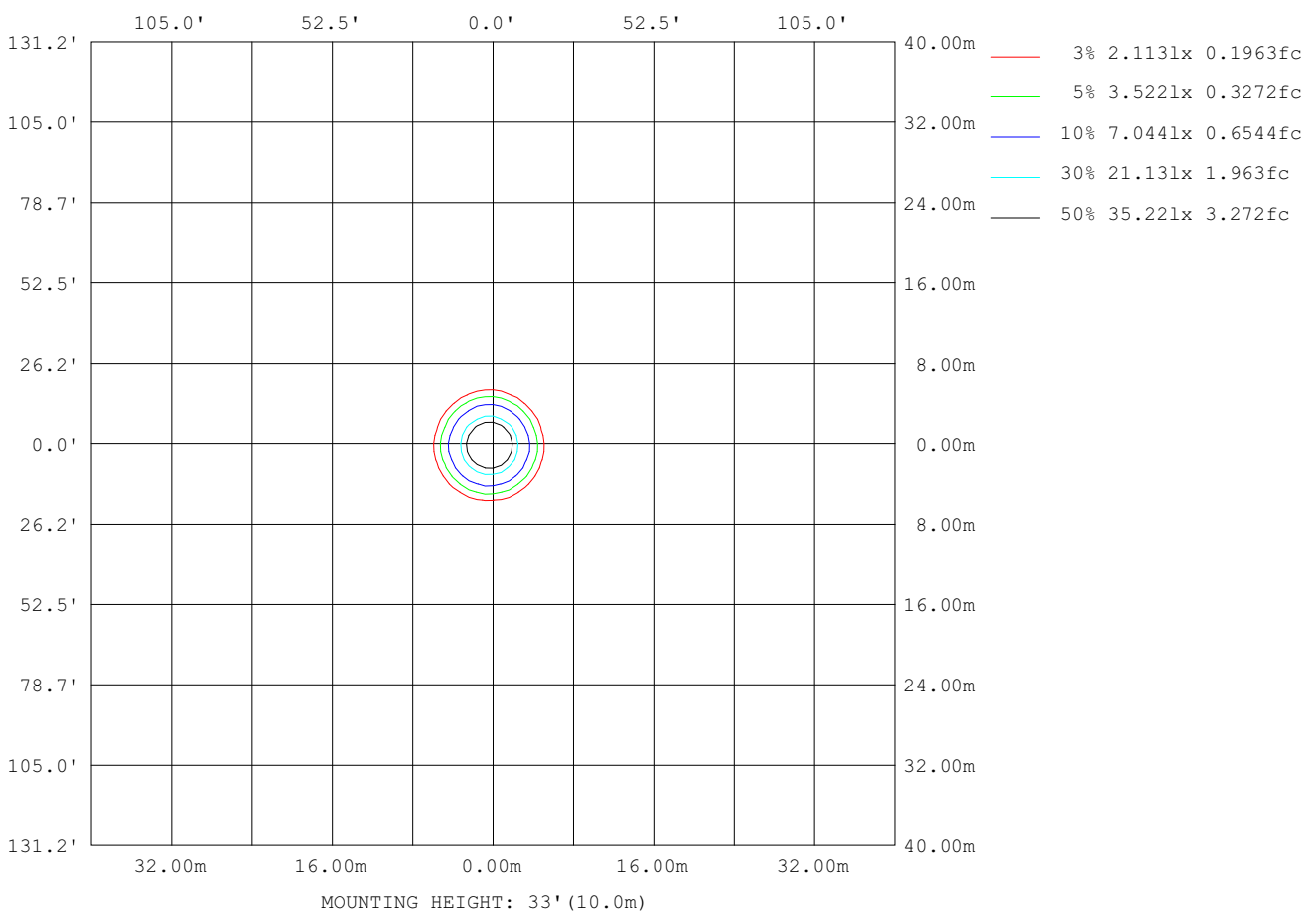
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Bill  
 Test Date:2015-03-18

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:52.5%  
 Test Distance:2.500m [K=0.9892]  
 Remarks:



ISOLUX DIAGRAM

Test:U:265.0V I:0.3970A P:54.10W PF:0.5142 Lamp Flux:1806.17x1 lm		
NAME: XENA	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: CLF Lighting	SUR.:φ0.11	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Bill  
 Test Date:2015-03-18

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:52.5%  
 Test Distance:2.500m [K=0.9892]  
 Remarks:

LED Avg.L Report

Test:U:265.0V I:0.3970A P:54.10W PF:0.5142 Lamp Flux:1806.17x1 lm		
NAME: XENA	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: CLF Lighting	SUR.:φ0.11	Shielding Angle:

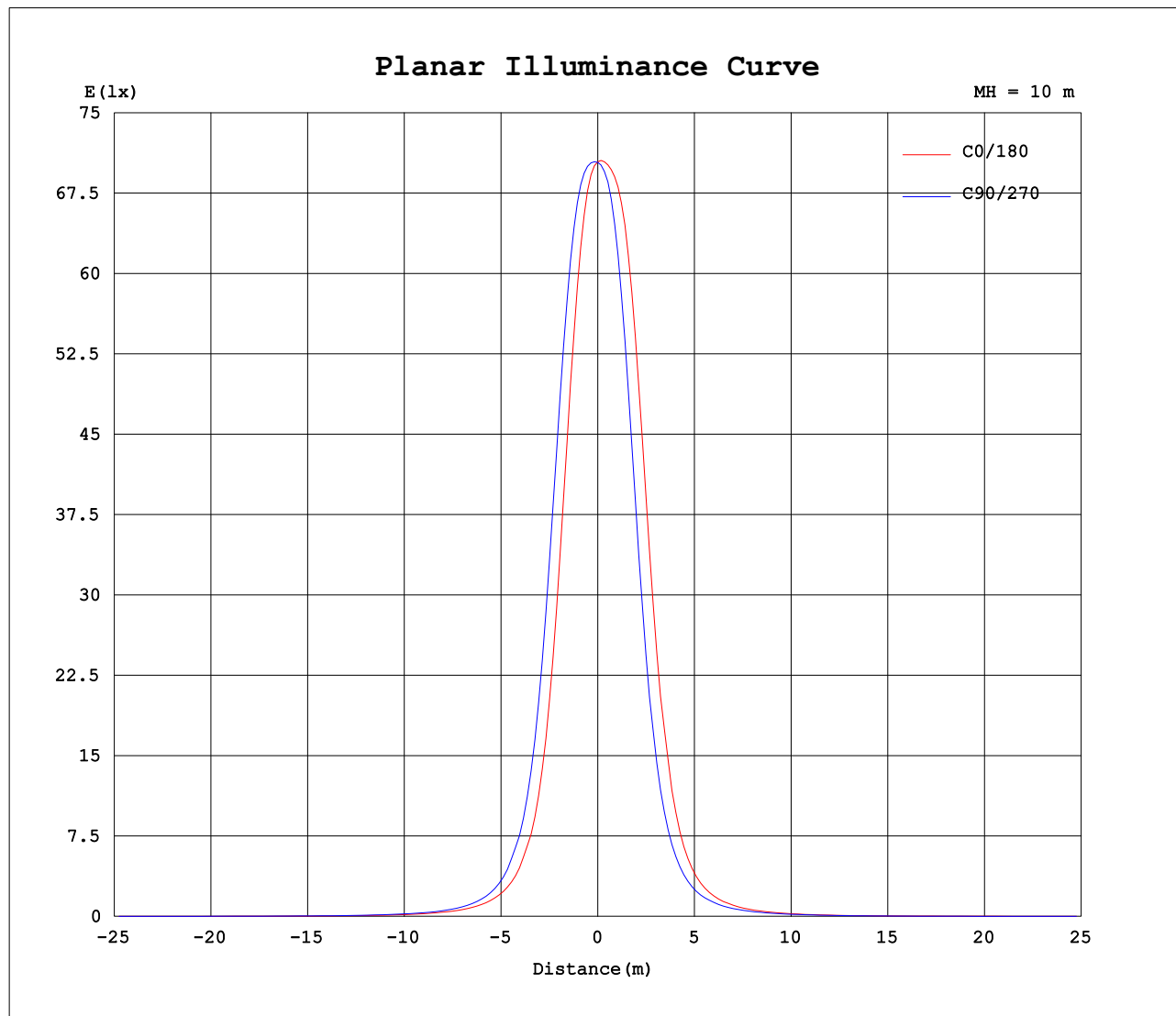
AvgL	cd/m2
L_0~180(65)av	3291
L_0~180(75)av	1659
L_0~180(85)av	184
L_90~270(65)av	3275
L_90~270(75)av	1846
L_90~270(85)av	70
L_45(65)av	3243
L_45(75)av	1735
L_45(85)av	115

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Bill  
 Test Date:2015-03-18

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:52.5%  
 Test Distance:2.500m [K=0.9892]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 Operators: Bill  
 Test Date: 2015-03-18

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity: 52.5%  
 Test Distance: 2.500m [K=0.9892]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:265.0V I:0.3970A P:54.10W PF:0.5142 Lamp Flux:1806.17x1 lm		
NAME: XENA	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: CLF Lighting	SUR.:φ0.11	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	7044	7044	7042	7041	7040	7039	7037	7033	7032	7027	7028	7024	7044	7044	7042	7041	7040	7039	7037
5	6320	6404	6470	6601	6713	6835	6909	6963	6979	6988	6987	6983	6983	6946	6901	6820	6744	6633	6537
10	4092	4259	4419	4745	5013	5339	5572	5829	5969	6102	6141	6163	6099	5898	5740	5451	5184	4853	4607
15	1844	2044	2101	2351	2583	2895	3152	3431	3619	3816	3880	3886	3788	3557	3350	3032	2767	2473	2274
20	795	848	882	1009	1079	1253	1348	1538	1602	1779	1741	1825	1761	1563	1486	1292	1203	1036	975
25	369	396	412	457	490	550	591	658	704	739	759	752	726	686	632	566	528	470	440
30	198	211	216	237	251	277	291	319	331	351	350	356	344	319	305	280	265	240	233
35	117	124	127	139	144	158	163	177	182	195	190	197	192	176	170	157	151	138	134
40	74.9	79.2	82.8	87.7	90.1	97.6	100	109	109	115	114	117	113	106	104	95.6	92.3	87.5	85.7
45	49.4	52.4	55.2	57.9	58.8	63.3	67.1	70.2	69.8	73.6	74.8	74.6	71.8	69.0	67.7	62.7	59.4	57.5	57.8
50	33.4	35.6	37.6	39.3	39.7	42.6	45.5	46.7	46.1	48.3	49.9	49.5	47.1	45.9	45.4	42.0	39.8	38.9	39.5
55	23.4	24.5	25.5	26.8	27.4	29.3	31.0	31.8	31.2	32.8	33.8	33.4	31.9	31.2	30.9	28.7	27.4	26.7	26.4
60	16.4	17.0	17.3	18.8	19.4	20.6	21.2	21.9	21.7	22.4	22.7	22.7	22.1	21.4	21.0	19.8	19.2	18.4	18.1
65	11.0	11.2	11.3	12.6	13.6	14.3	14.3	15.2	15.1	15.5	15.2	15.7	15.4	14.4	14.1	13.4	13.2	12.3	12.0
70	6.30	6.49	7.04	7.74	8.74	9.01	9.27	9.77	9.87	10.0	9.70	10.1	10.2	9.16	8.96	8.49	8.39	7.60	7.43
75	2.54	2.99	3.58	4.05	4.26	4.95	5.27	5.57	5.61	5.69	5.80	5.87	5.62	5.11	5.01	4.63	4.13	3.98	3.81
80	0.38	0.48	0.52	0.73	0.99	1.36	2.00	1.92	2.12	2.37	2.79	2.32	2.15	2.00	2.20	1.40	1.15	0.94	0.74
85	0.00	0.00	0.00	0.00	0.02	0.05	0.12	0.15	0.23	0.31	0.30	0.34	0.31	0.20	0.18	0.07	0.05	0.01	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Bill  
 Test Date:2015-03-18

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:52.5%  
 Test Distance:2.500m [K=0.9892]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:265.0V I:0.3970A P:54.10W PF:0.5142 Lamp Flux:1806.17x1 lm		
NAME: XENA	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: CLF Lighting	SUR.:φ0.11	Shielding Angle:

Table--2

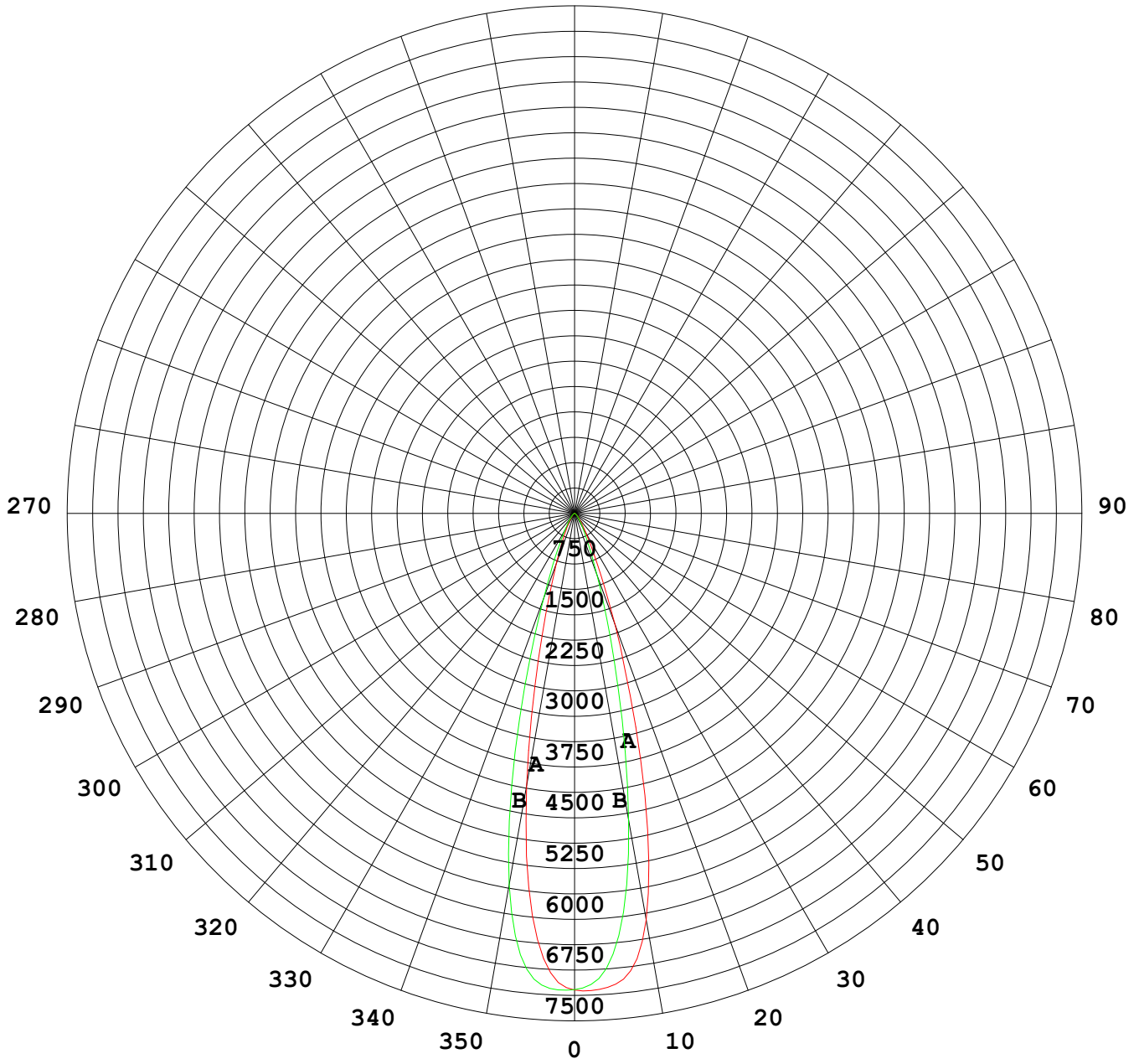
UNIT: cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	7033	7032	7027	7028	7024														
5	6427	6358	6281	6273	6250														
10	4330	4198	4060	4044	4031														
15	2061	2009	1843	1895	1789														
20	886	831	791	773	763														
25	401	386	366	362	357														
30	212	208	196	199	192														
35	125	122	116	117	115														
40	80.9	77.1	75.1	75.7	74.5														
45	53.6	51.1	50.0	50.8	49.4														
50	36.4	34.8	34.2	34.8	33.6														
55	25.0	24.2	23.7	23.7	23.2														
60	17.1	17.0	16.3	16.3	16.1														
65	11.2	11.4	10.6	10.8	10.5														
70	6.77	6.62	6.25	6.41	6.21														
75	3.19	2.84	2.68	3.19	2.36														
80	0.52	0.49	0.34	0.32	0.30														
85	0.00	0.00	0.00	0.00	0.00														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Bill  
 Test Date:2015-03-18

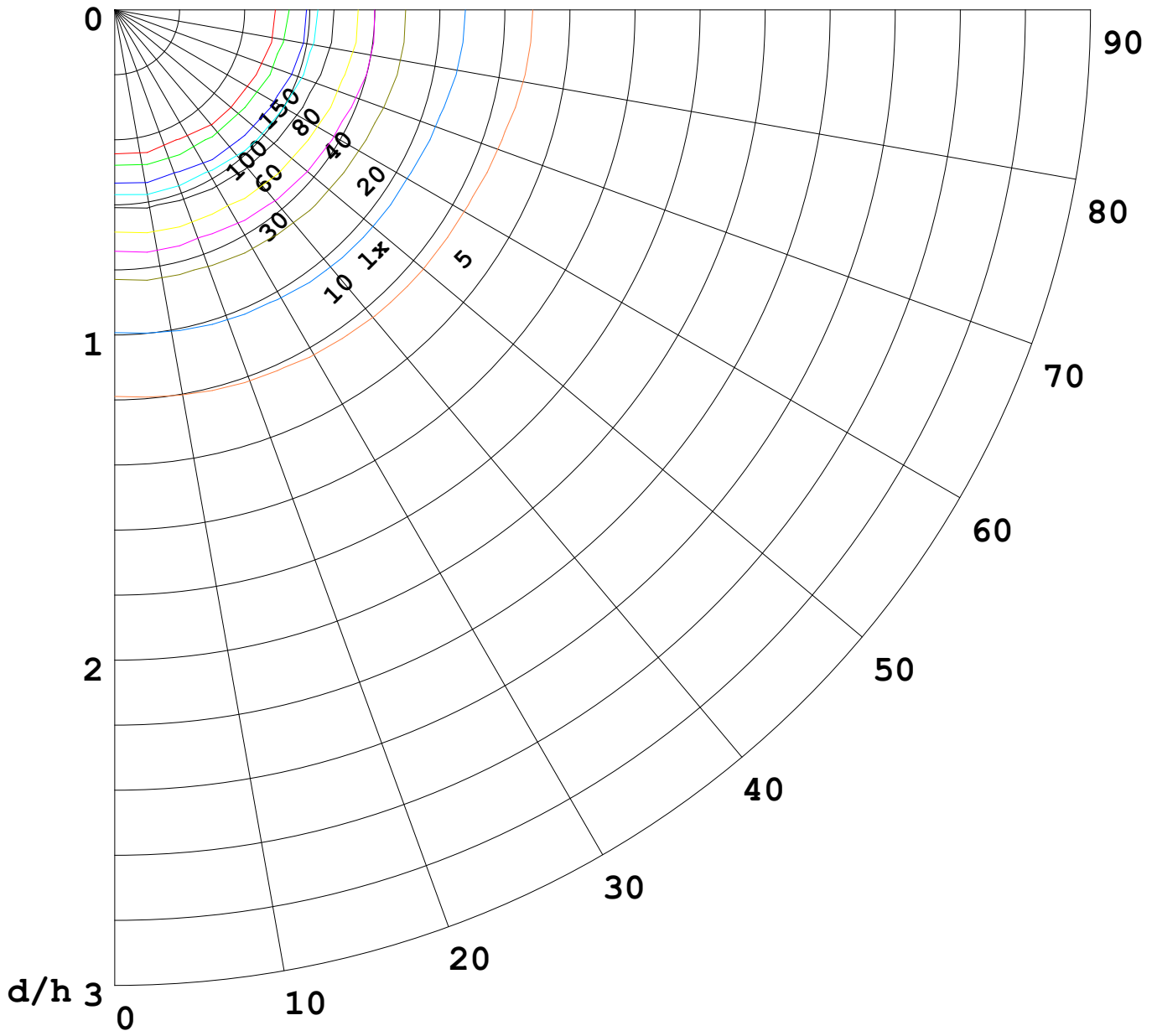
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.294  
 Humidity:52.5%  
 Test Distance:2.500m [K=0.9892]  
 Remarks:

I (cd)



1000 lm

$K = 1$



F = 2041 lm  
 K = 0.7  
 Hcc = 0.8 m  
 Hfc = 0.0 m  
 Eave = 100 lx

	Pcc	Pw	Pfc
—————	70	50	30
—————	50	30	20

