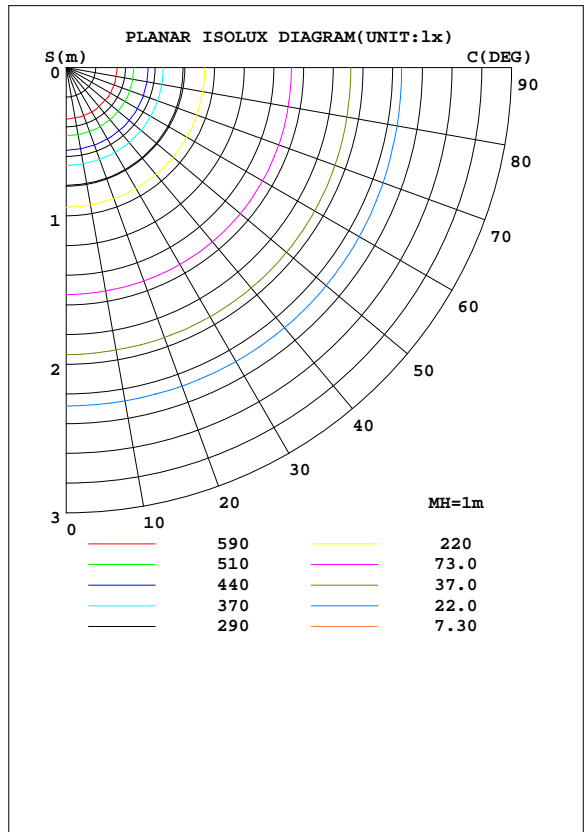
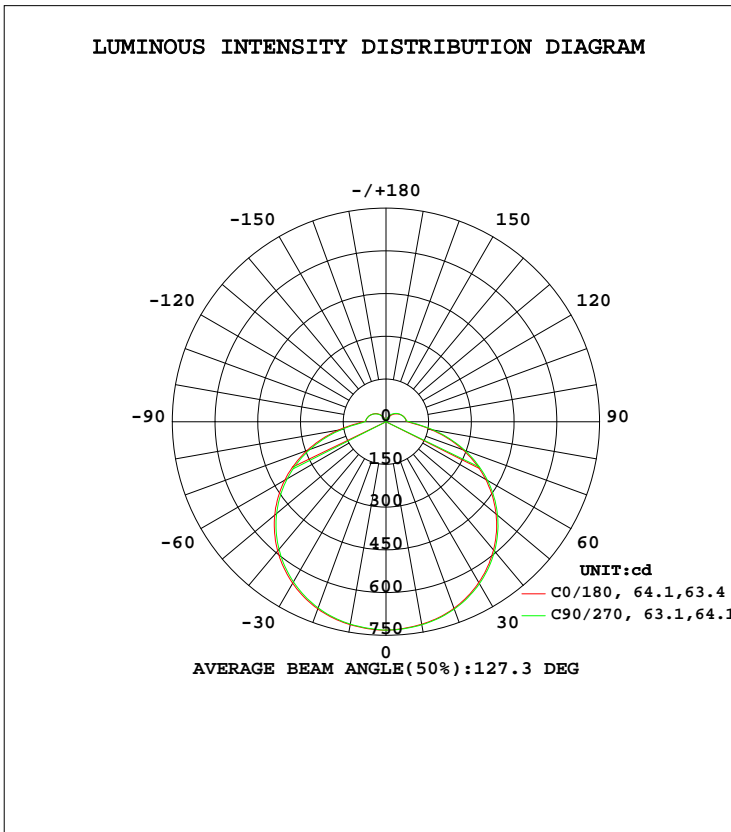


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.3670A P:43.93W PF:0.9969 Lamp Flux:2862.8x1 lm		
NAME:	TYPE:EQS-15F-PC	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Blackjack Lighting	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 65.17 lm/W			
MODEL	EQS-15F-PC	I <sub>max</sub> (cd)	731.8	S/MH(C0/180)	1.33
NOMINAL POWER(W)	45	LOR(%)	100.0	S/MH(C90/270)	1.34
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	2862.8	η UP, DN(C0-180)	5.5, 44.1
NOMINAL FLUX(lm)	2862.8	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	5.8, 44.7
LAMPS INSIDE	1	η up(%)	11.2	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120.0	η down(%)	88.8	CIBSE SHR MAX	1.55



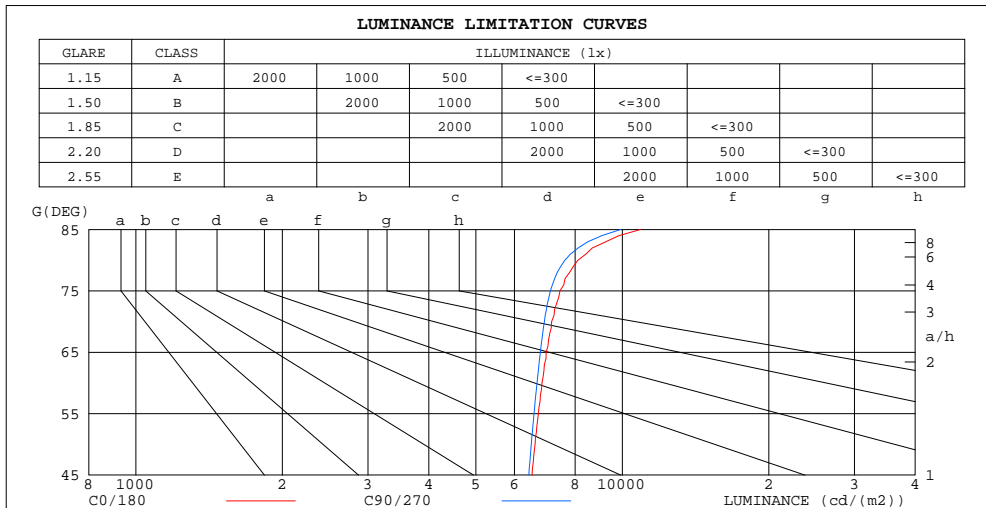
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.6DEG  
 Operators:David  
 Test Date:2015-04-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.287  
 Humidity:67.1%  
 Test Distance:2.455m [K=1.0000]  
 Remarks:

**ZONAL FLUX DIAGRAM  
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	723.5	721.3	721.5	719.0	721.8	721.7	723.8	723.3	0- 10	69.32	69.32	2.42,2.42
20	699.4	697.9	695.8	694.7	697.1	698.5	700.1	701.1	10- 20	201.3	270.6	9.45,9.45
30	655.1	655.2	649.7	651.0	651.6	656.3	656.4	660.1	20- 30	313.0	583.6	20.4,20.4
40	592.1	593.0	584.6	587.7	587.5	594.7	593.0	599.4	30- 40	391.3	974.9	34.1,34.1
50	510.3	512.2	501.3	505.9	505.0	514.3	511.2	520.1	40- 50	426.6	1402	49,49
60	410.2	413.2	400.6	406.3	404.2	415.6	411.5	422.1	50- 60	413.3	1815	63.4,63.4
70	293.7	297.8	283.7	290.6	287.2	299.9	294.8	306.9	60- 70	350.4	2165	75.6,75.6
80	169.0	174.8	158.8	167.5	161.8	175.5	169.2	182.3	70- 80	245.2	2410	84.2,84.2
90	80.88	90.95	76.23	88.52	76.86	91.52	82.11	95.55	80- 90	130.6	2541	88.8,88.8
100	68.54	80.33	68.49	80.37	69.14	80.74	68.16	80.84	90-100	85.29	2626	91.7,91.7
110	62.44	71.19	62.22	71.46	62.42	72.47	61.99	72.20	100-110	75.07	2701	94.4,94.4
120	54.20	59.67	53.63	60.36	53.61	62.49	54.59	61.86	110-120	61.72	2763	96.5,96.5
130	44.66	45.32	43.22	46.38	43.42	50.72	45.90	50.18	120-130	46.19	2809	98.1,98.1
140	33.22	28.92	30.96	29.45	32.01	36.46	36.15	36.35	130-140	30.13	2839	99.2,99.2
150	19.96	11.44	17.10	11.70	19.13	20.37	25.08	20.27	140-150	15.94	2855	99.7,99.7
160	6.738	0.5142	3.726	1.501	6.539	10.05	13.37	10.52	150-160	5.755	2861	99.9,99.9
170	2.630	0.7910	0.1756	2.131	3.635	7.321	8.309	8.632	160-170	1.381	2862	100,100
180	0.8465	1.111	2.535	0.9396	0.7761	0.9865	2.140	1.932	170-180	0.3070	2863	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



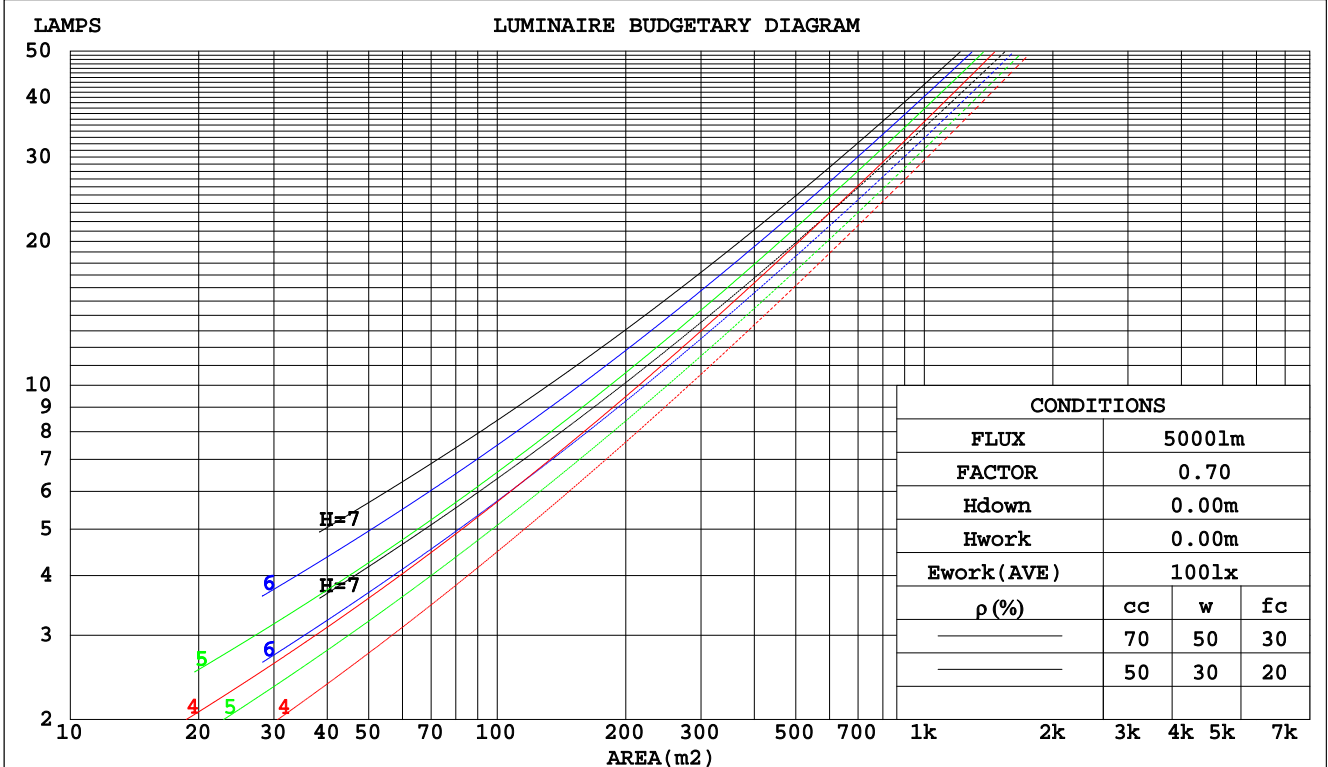
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.6DEG  
 Operators:David  
 Test Date:2015-04-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.287  
 Humidity:67.1%  
 Test Distance:2.455m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.3670A P:43.93W PF:0.9969 Lamp Flux:2862.8x1 lm		
NAME:	TYPE:EQS-15F-PC	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Blackjack Lighting	SUR.:	PROTECTION 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						Coefficients of Utilization(CU)									
0.0	1.16	1.16	1.16	1.12	1.12	1.12	1.05	1.05	1.05	.98	.98	.98	.92	.92	.92	.89
1.0	.99	.94	.90	.96	.91	.87	.89	.86	.82	.83	.81	.78	.78	.76	.74	.71
2.0	.85	.78	.72	.82	.76	.70	.77	.71	.66	.72	.67	.63	.67	.64	.60	.57
3.0	.74	.65	.58	.72	.64	.57	.67	.60	.55	.63	.57	.52	.59	.54	.50	.47
4.0	.65	.56	.49	.63	.55	.48	.59	.52	.46	.55	.49	.44	.52	.47	.42	.40
5.0	.58	.49	.42	.56	.47	.41	.53	.45	.39	.49	.43	.38	.47	.41	.37	.34
6.0	.52	.43	.36	.50	.42	.35	.47	.40	.34	.45	.38	.33	.42	.36	.32	.29
7.0	.47	.38	.32	.45	.37	.31	.43	.35	.30	.40	.34	.29	.38	.32	.28	.26
8.0	.43	.34	.28	.41	.33	.27	.39	.32	.27	.37	.31	.26	.35	.29	.25	.23
9.0	.39	.31	.25	.38	.30	.25	.36	.29	.24	.34	.28	.23	.32	.27	.22	.20
10.0	.36	.28	.22	.35	.27	.22	.33	.26	.22	.31	.25	.21	.30	.24	.20	.18



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.6DEG  
 Operators: David  
 Test Date: 2015-04-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287  
 Humidity: 67.1%  
 Test Distance: 2.455m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.3670A P:43.93W PF:0.9969 Lamp Flux:2862.8x1 lm		
NAME:	TYPE:EQS-15F-PC	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Blackjack Lighting	SUR.:	PROTECTION 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	.351	.199	.063	.340	.194	.062	.320	.184	.059	.302	.174	.056	.285	.165	.053	
2.0	.316	.173	.053	.306	.169	.052	.289	.160	.050	.272	.153	.048	.257	.145	.046	
3.0	.286	.152	.046	.277	.149	.045	.261	.142	.043	.247	.135	.041	.233	.129	.040	
4.0	.260	.135	.040	.253	.132	.039	.238	.126	.038	.225	.121	.036	.212	.115	.035	
5.0	.238	.121	.035	.231	.119	.035	.218	.114	.033	.206	.109	.032	.195	.104	.031	
6.0	.219	.110	.031	.213	.108	.031	.201	.103	.030	.190	.099	.029	.180	.095	.028	
7.0	.203	.100	.028	.197	.098	.028	.187	.094	.027	.177	.091	.026	.167	.087	.026	
8.0	.189	.092	.026	.184	.090	.026	.174	.087	.025	.165	.083	.024	.156	.080	.023	
9.0	.176	.085	.024	.172	.084	.023	.163	.080	.023	.154	.077	.022	.146	.074	.021	
10.0	.165	.079	.022	.161	.078	.022	.153	.075	.021	.145	.072	.020	.138	.069	.020	

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	.276	.276	.276	.236	.236	.236	.161	.161	.161	.093	.093	.093	.030	.030	.030	
1.0	.269	.242	.217	.231	.208	.187	.158	.143	.129	.091	.083	.075	.029	.027	.024	
2.0	.262	.219	.182	.225	.188	.157	.154	.130	.110	.089	.076	.064	.028	.025	.021	
3.0	.255	.202	.159	.219	.174	.138	.150	.121	.097	.087	.071	.057	.028	.023	.019	
4.0	.247	.189	.144	.212	.163	.125	.146	.114	.088	.084	.067	.052	.027	.022	.017	
5.0	.240	.179	.134	.206	.155	.117	.142	.108	.082	.082	.064	.049	.026	.021	.016	
6.0	.233	.171	.127	.200	.148	.110	.138	.104	.078	.080	.061	.046	.026	.020	.015	
7.0	.226	.164	.121	.194	.142	.106	.134	.100	.075	.078	.059	.045	.025	.019	.015	
8.0	.219	.159	.117	.189	.138	.102	.130	.097	.072	.076	.057	.043	.025	.019	.014	
9.0	.213	.154	.114	.183	.133	.099	.127	.094	.070	.074	.055	.042	.024	.018	.014	
10.0	.207	.150	.111	.178	.130	.097	.124	.091	.069	.072	.054	.041	.023	.018	.014	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.6DEG  
 Operators:David  
 Test Date:2015-04-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.287  
 Humidity:67.1%  
 Test Distance:2.455m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.3670A P:43.93W PF:0.9969 Lamp Flux:2862.8x1 lm										
NAME:					TYPE:EQS-15F-PC			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: Blackjack Lighting					SUR.:			PROTECTION 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	19.0	20.4	19.4	20.8	21.2	18.9	20.3	19.3	20.7	21.1
3H	20.9	22.2	21.3	22.6	23.1	20.8	22.1	21.2	22.5	23.0
4H	21.8	23.0	22.3	23.5	24.0	21.6	22.9	22.1	23.3	23.8
6H	22.6	23.8	23.1	24.2	24.8	22.4	23.6	22.9	24.0	24.5
8H	23.0	24.1	23.5	24.6	25.1	22.7	23.9	23.2	24.3	24.9
12H	23.3	24.4	23.8	24.9	25.4	23.0	24.1	23.6	24.6	25.2
4H 2H	19.7	20.9	20.1	21.4	21.9	19.6	20.9	20.1	21.3	21.8
3H	21.8	22.9	22.3	23.4	23.9	21.7	22.8	22.2	23.3	23.8
4H	22.8	23.8	23.4	24.3	24.9	22.7	23.7	23.2	24.2	24.8
6H	23.8	24.7	24.3	25.2	25.8	23.6	24.5	24.2	25.0	25.6
8H	24.2	25.1	24.8	25.6	26.3	24.0	24.9	24.6	25.4	26.0
12H	24.7	25.5	25.3	26.0	26.7	24.4	25.2	25.0	25.8	26.4
8H 4H	23.2	24.0	23.8	24.6	25.2	23.1	23.9	23.7	24.5	25.1
6H	24.4	25.1	25.0	25.7	26.4	24.2	24.9	24.8	25.5	26.2
8H	25.0	25.6	25.6	26.2	26.9	24.8	25.4	25.4	26.0	26.7
12H	25.6	26.2	26.3	26.8	27.5	25.4	25.9	26.0	26.6	27.3
12H 4H	23.3	24.0	23.8	24.6	25.2	23.1	23.9	23.7	24.5	25.1
6H	24.5	25.2	25.2	25.8	26.5	24.4	25.0	25.0	25.6	26.3
8H	25.2	25.8	25.9	26.4	27.1	25.0	25.6	25.7	26.2	26.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 2863 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.7)

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.6DEG  
 Operators:David  
 Test Date:2015-04-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.287  
 Humidity:67.1%  
 Test Distance:2.455m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.3670A P:43.93W PF:0.9969 Lamp Flux:2862.8x1 lm		
NAME:	TYPE:EQS-15F-PC	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Blackjack Lighting	SUR.:	PROTECTION 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	51	39	32	50	39	31	48	38	31	24
0.80	61	48	40	59	47	40	57	46	39	32
1.00	69	57	48	67	56	48	64	56	47	39
1.25	76	64	56	74	63	55	70	61	54	45
1.50	81	70	62	79	68	61	74	66	59	50
2.00	88	78	71	86	76	69	81	73	67	57
2.50	93	83	76	90	81	75	84	77	72	61
3.00	96	88	81	93	86	80	87	81	76	65
4.00	101	94	88	97	91	86	91	86	82	70
5.00	103	97	92	100	95	90	94	89	85	73
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.6DEG  
 Operators:David  
 Test Date:2015-04-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.287  
 Humidity:67.1%  
 Test Distance:2.455m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

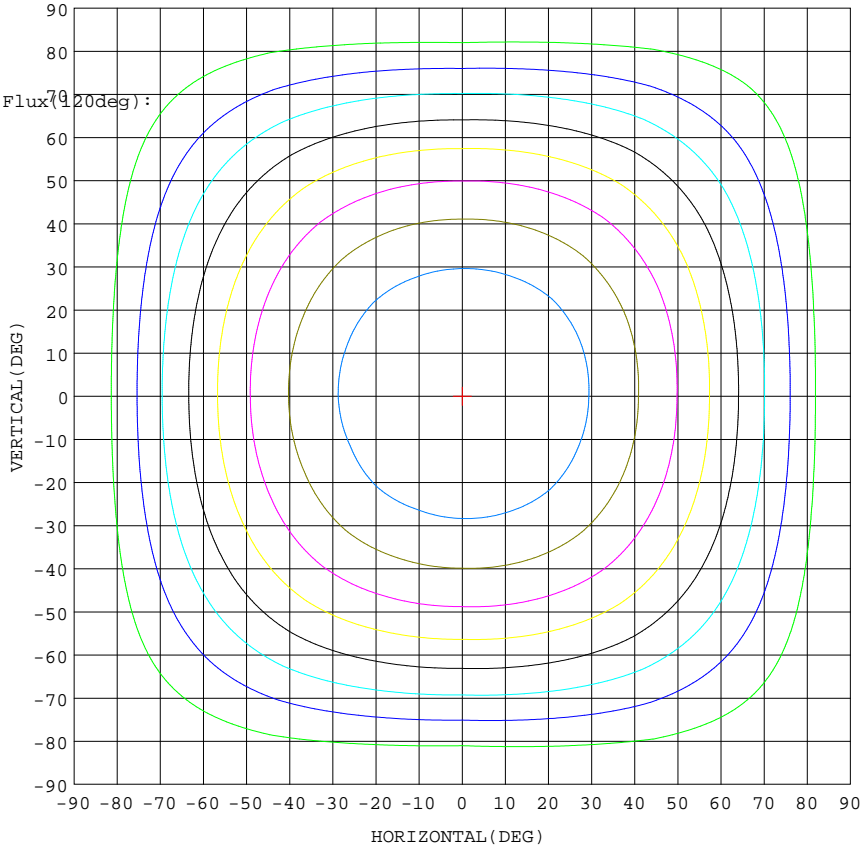
Test:U:120.0V I:0.3670A P:43.93W PF:0.9969 Lamp Flux:2862.8x1 lm		
NAME:	TYPE:EQS-15F-PC	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Blackjack Lighting	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

1186.8 lm  
 %lum = 41.5%  
 %lamp = 41.5%

Conical surface Flux(70deg):

1814.8 lm  
 %lum = 63.4%  
 %lamp = 63.4%



I<sub>max</sub>: 731.8 (H0.0, V0.0)  
 (At: C=22.5, Gamma=0.0)  
 UNIT: cd

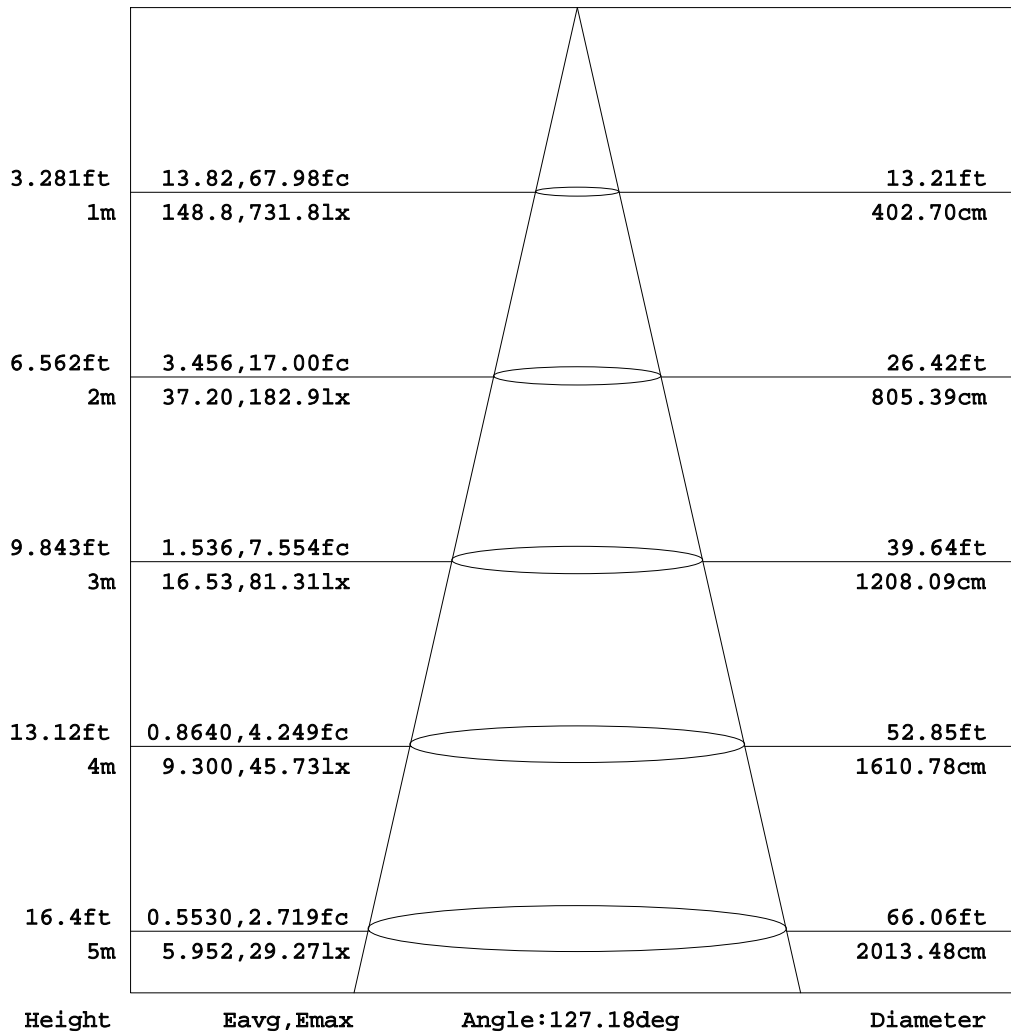
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.6DEG  
 Operators: David  
 Test Date: 2015-04-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.287  
 Humidity: 67.1%  
 Test Distance: 2.455m [K=1.0000]  
 Remarks:

AAI Figure

Test:U:120.0V I:0.3670A P:43.93W PF:0.9969 Lamp Flux:2862.8x1 lm		
NAME:	TYPE:EQS-15F-PC	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Blackjack Lighting	SUR.:	PROTECTION ANGLE:

Flux out:1965 lm



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

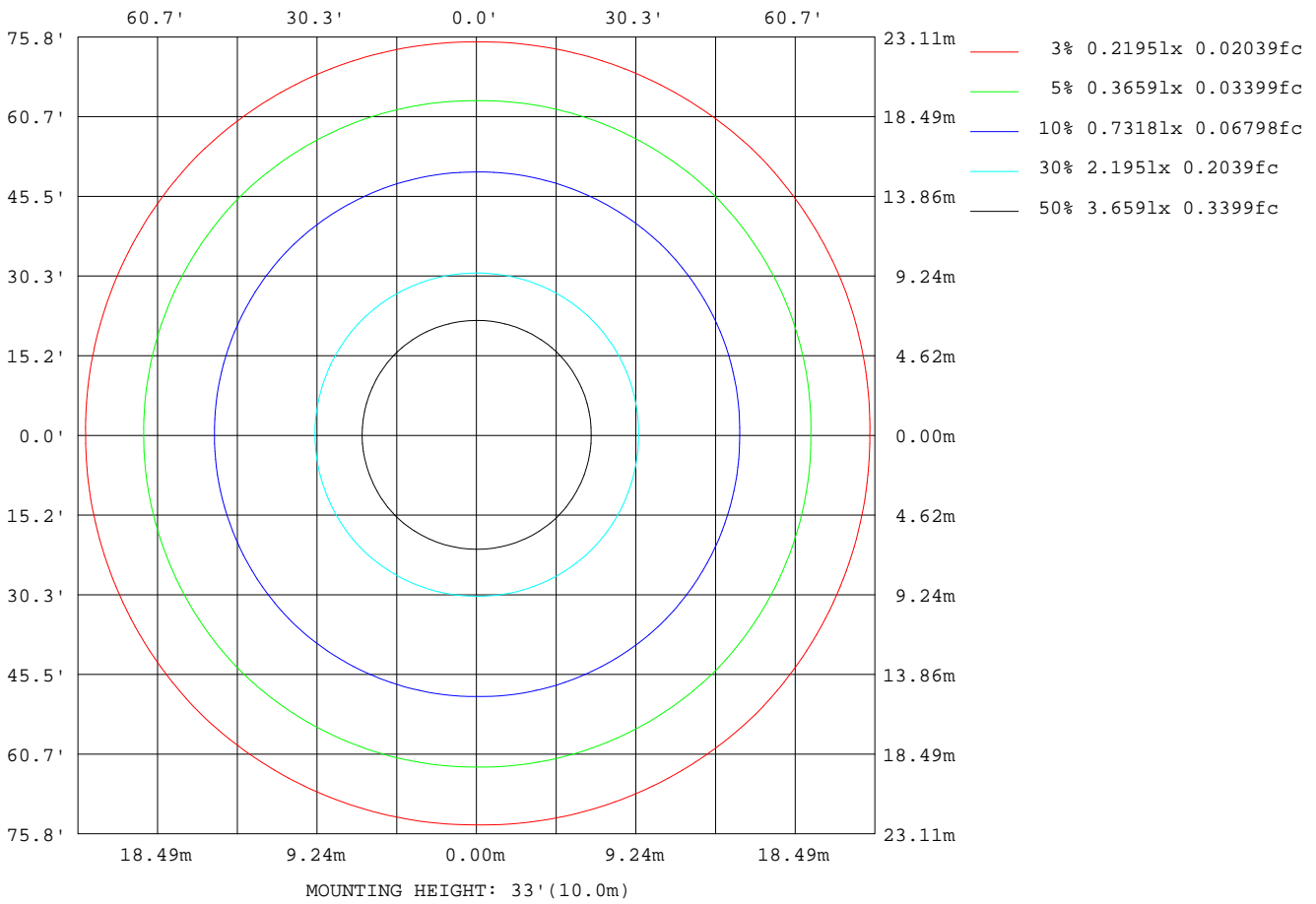
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.6DEG  
 Operators:David  
 Test Date:2015-04-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.287  
 Humidity:67.1%  
 Test Distance:2.455m [K=1.0000]  
 Remarks:



ISOLUX DIAGRAM

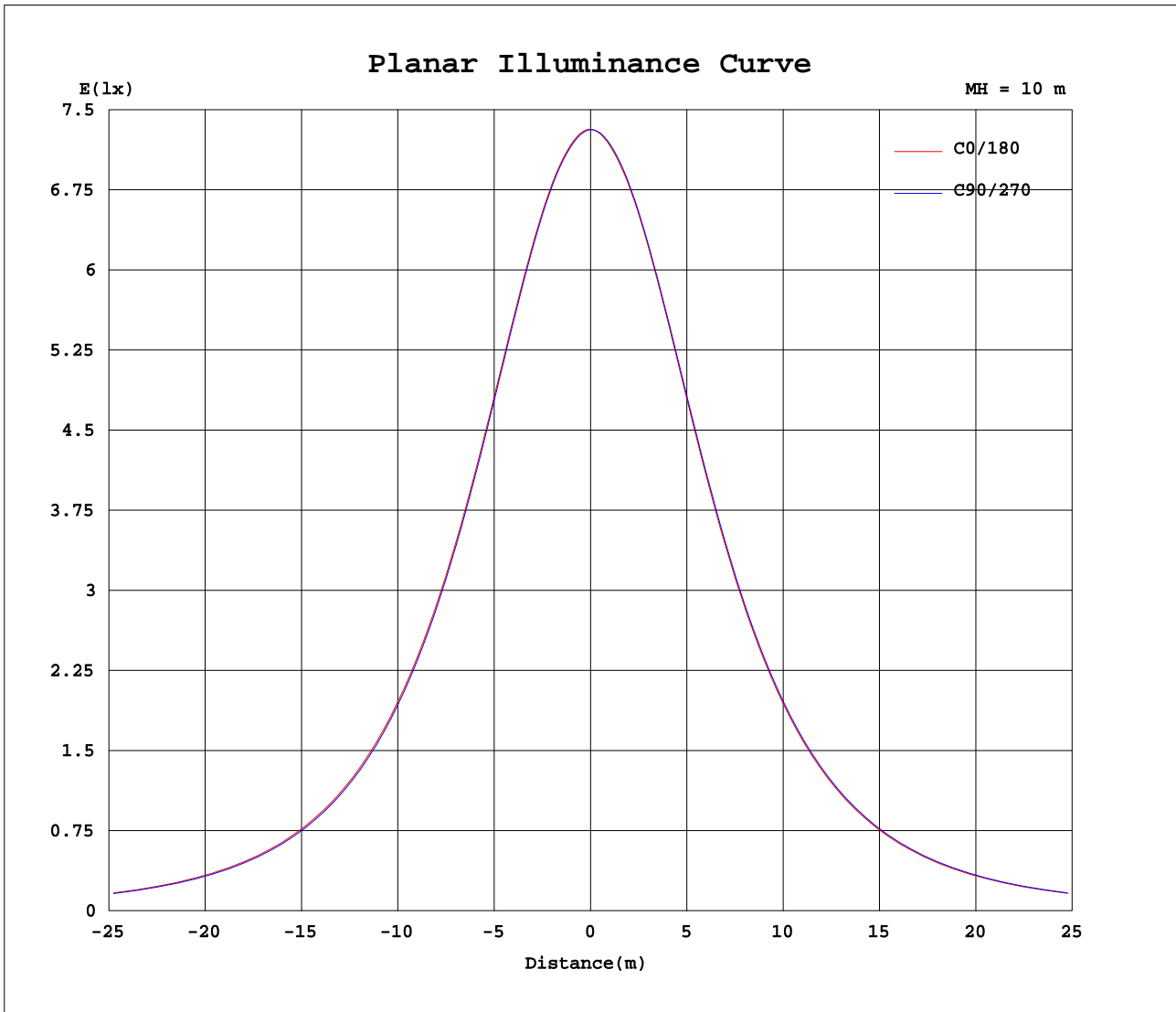
Test:U:120.0V I:0.3670A P:43.93W PF:0.9969 Lamp Flux:2862.8x1 lm		
NAME:	TYPE:EQS-15F-PC	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Blackjack Lighting	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.6DEG  
 Operators:David  
 Test Date:2015-04-10

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.287  
 Humidity:67.1%  
 Test Distance:2.455m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.6DEG  
Operators:David  
Test Date:2015-04-10

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.287  
Humidity:67.1%  
Test Distance:2.455m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.3670A P:43.93W PF:0.9969 Lamp Flux:2862.8x1 lm		
NAME:	TYPE:EQS-15F-PC	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Blackjack Lighting	SUR.:	PROTECTION ANGLE:

Table--1

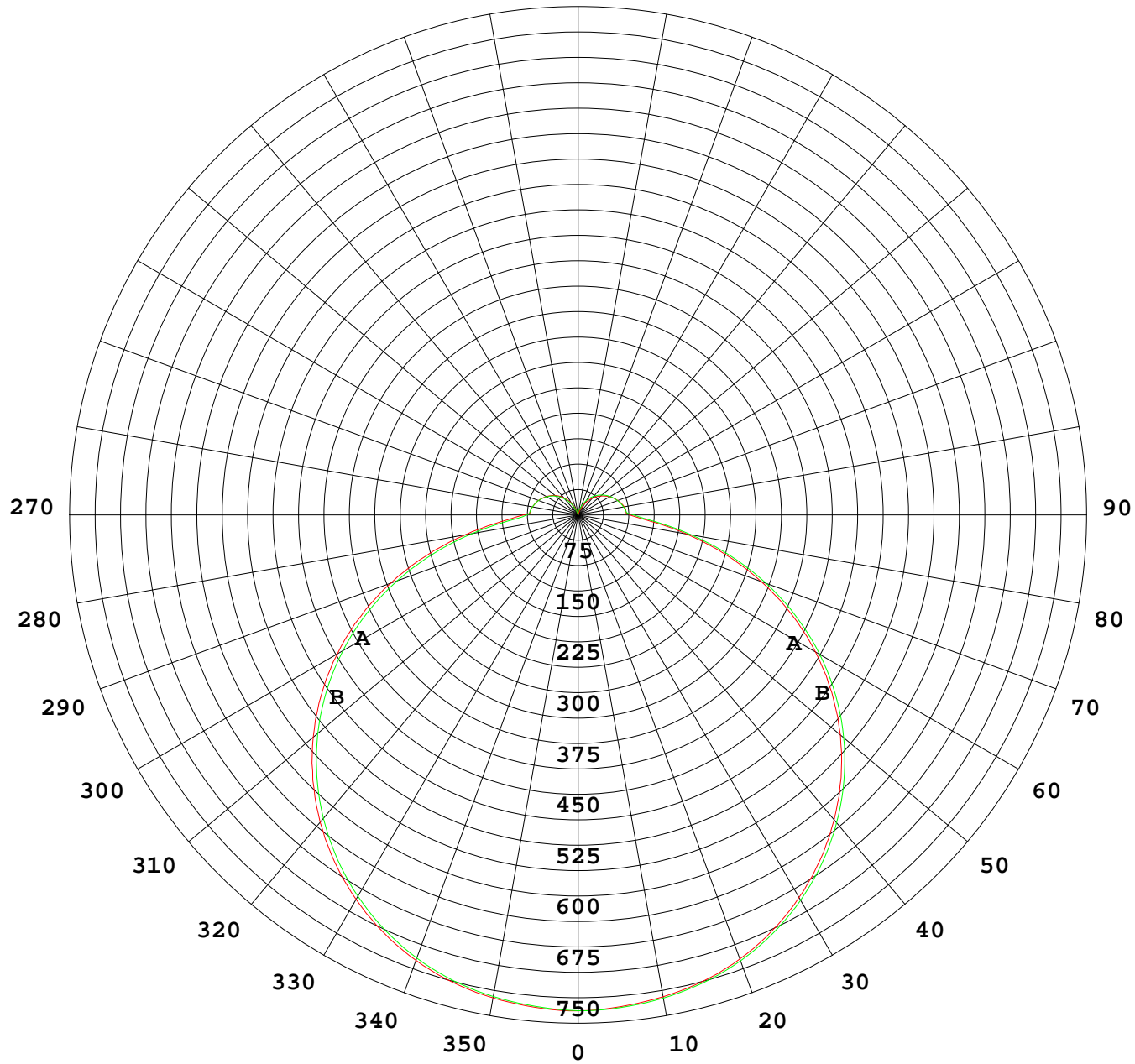
UNIT: cd

C( DEG) γ (DEG)	0	23	45	68	90	113	135	158	180	203	225	248	270	293	315	338			
0	732	732	732	732	731	731	731	731	732	732	732	732	731	731	731	731			
5	729	729	728	728	728	727	727	727	728	728	729	729	730	730	729	729			
10	724	722	721	721	722	720	719	719	722	722	722	722	724	724	723	724			
15	714	712	712	711	711	709	709	709	712	712	712	713	714	714	714	715			
20	699	698	698	696	696	694	695	694	697	697	699	698	700	700	701	701			
25	680	678	679	676	675	674	675	674	677	678	680	679	681	681	683	682			
30	655	654	655	652	650	649	651	649	652	653	656	656	656	658	660	658			
35	626	626	626	623	620	619	622	620	622	624	628	627	627	629	632	630			
40	592	592	593	589	585	585	588	586	588	590	595	594	593	596	599	597			
45	554	554	555	550	545	546	549	547	549	552	557	556	554	558	562	560			
50	510	511	512	507	501	503	506	504	505	509	514	513	511	516	520	518			
55	463	464	465	459	453	455	458	456	457	461	467	466	464	468	473	470			
60	410	412	413	407	401	403	406	403	404	409	416	414	411	417	422	419			
65	354	356	357	351	344	346	350	347	348	353	359	358	355	361	367	363			
70	294	296	298	291	284	287	291	287	287	293	300	298	295	301	307	303			
75	231	233	236	229	221	224	229	225	224	230	237	236	232	238	244	240			
80	169	172	175	167	159	163	168	164	162	168	176	173	169	176	182	178			
85	114	118	121	113	104	109	114	110	107	114	122	119	114	120	127	123			
90	80.9	86.3	90.9	84.6	76.2	82.2	88.5	83.3	76.9	84.3	91.5	87.6	82.1	89.2	95.5	89.5			
95	70.8	77.3	84.1	78.6	71.0	77.2	83.8	78.3	70.8	77.2	83.9	78.4	70.7	77.6	84.6	79.1			
100	68.5	74.2	80.3	75.1	68.5	74.1	80.4	75.3	69.1	74.9	80.7	75.0	68.2	74.2	80.8	76.0			
105	65.7	70.2	76.1	70.9	65.9	70.1	76.2	71.1	66.1	71.3	76.8	71.2	65.3	70.4	76.7	72.4			
110	62.4	65.7	71.2	66.2	62.2	65.7	71.5	66.4	62.4	67.3	72.5	66.9	62.0	66.1	72.2	68.4			
115	58.5	60.7	65.7	61.2	58.2	60.8	66.1	61.2	58.2	63.1	67.7	62.3	58.5	61.6	67.2	64.1			
120	54.2	55.0	59.7	55.5	53.6	55.2	60.4	55.3	53.6	58.4	62.5	57.2	54.6	56.5	61.9	59.4			
125	49.6	48.8	52.8	49.3	48.7	49.0	53.7	49.0	48.7	53.3	56.8	51.7	50.4	51.1	56.3	53.9			
130	44.7	42.2	45.3	42.5	43.2	42.3	46.4	42.2	43.4	47.5	50.7	45.9	45.9	45.2	50.2	47.9			
135	39.2	35.3	37.4	35.2	37.4	35.2	38.2	34.9	38.0	41.0	43.9	39.8	41.0	39.1	43.5	41.4			
140	33.2	28.3	28.9	27.5	31.0	28.3	29.4	27.4	32.0	34.3	36.5	33.8	36.2	33.3	36.3	34.4			
145	26.8	22.0	20.1	20.0	24.2	22.1	20.5	20.1	25.7	28.6	28.5	27.7	31.0	28.6	28.3	27.3			
150	20.0	15.5	11.4	13.6	17.1	15.9	11.7	14.1	19.1	23.0	20.4	21.7	25.1	24.0	20.3	20.4			
155	13.1	9.13	3.93	7.57	10.1	9.71	4.16	8.13	12.5	16.1	13.5	15.7	18.9	19.0	13.9	13.9			
160	6.74	3.42	0.51	2.45	3.73	4.30	1.50	2.90	6.54	8.65	10.1	10.6	13.4	13.0	10.5	8.97			
165	2.62	0.58	0.60	0.81	0.17	1.23	1.90	1.58	3.20	4.07	8.39	10.1	8.95	8.52	8.82	8.50			
170	2.63	0.65	0.79	0.66	0.18	0.19	2.13	2.02	3.64	3.88	7.32	9.46	8.31	8.42	8.63	7.69			
175	2.04	1.00	0.26	0.19	0.18	0.18	0.15	0.75	2.39	2.46	3.93	5.28	6.03	6.22	5.81	4.99			
180	0.85	0.92	1.11	1.69	2.53	1.51	0.94	0.95	0.78	0.79	0.99	1.44	2.14	2.05	1.93	1.35			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.6DEG  
 Operators:David  
 Test Date:2015-04-10

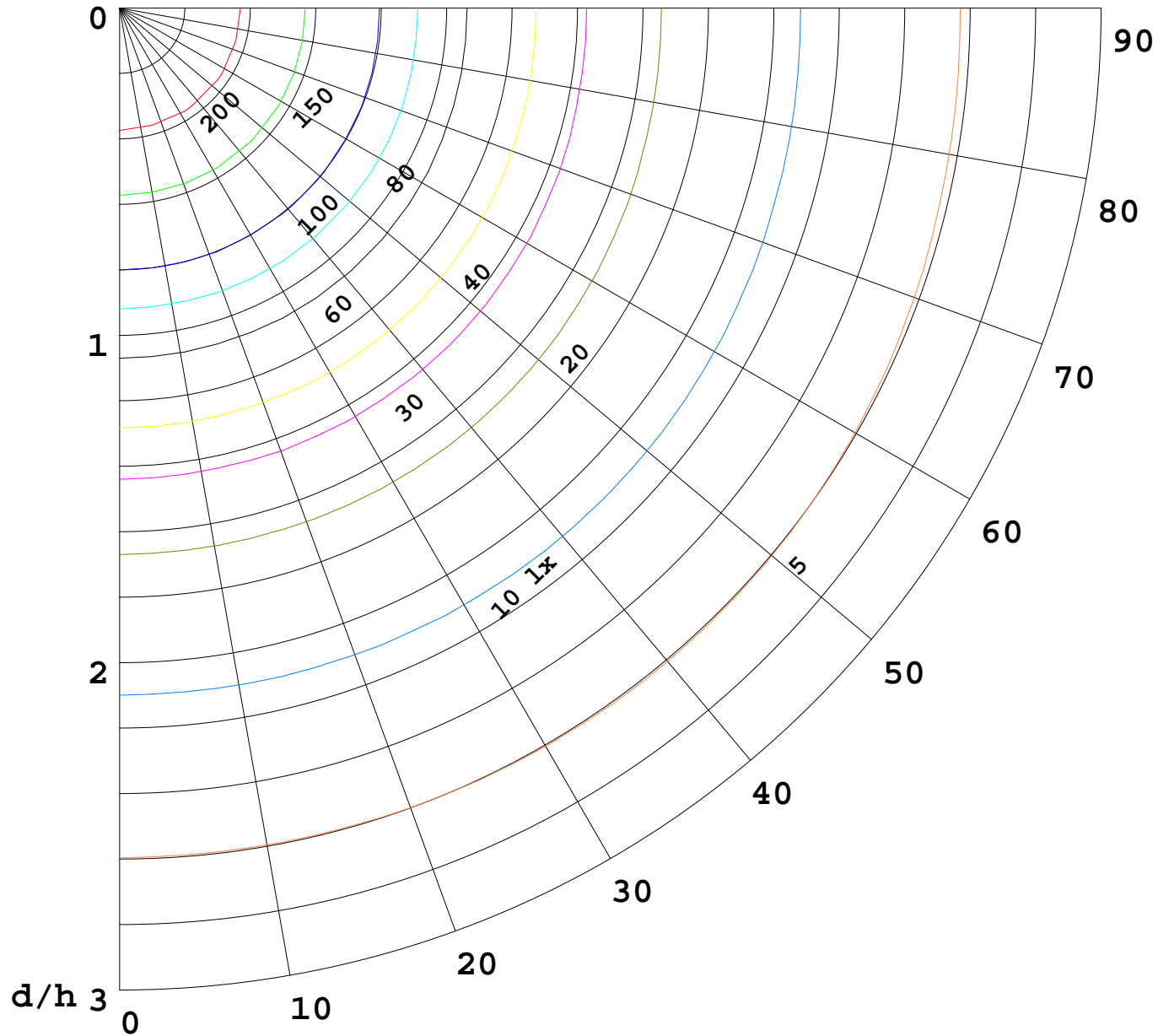
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.287  
 Humidity:67.1%  
 Test Distance:2.455m [K=1.0000]  
 Remarks:

I (cd)



1000 lm

$K = 1$



**F** = 5000 lm  
**K** = 0.7  
**Hcc** = 0.0 m  
**Hfc** = 0.0 m  
**Eave** = 100 lx

	<b>Pcc</b>	<b>Pw</b>	<b>Pfc</b>
—————	70	50	30
—————	50	30	20

