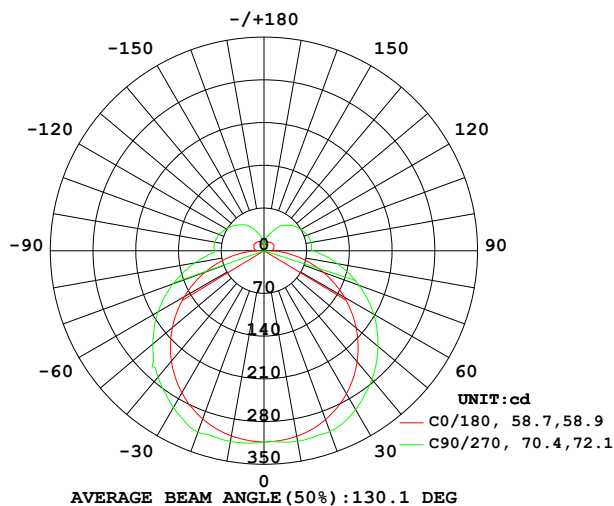


LUMINAIRE PHOTOMETRIC TEST REPORT

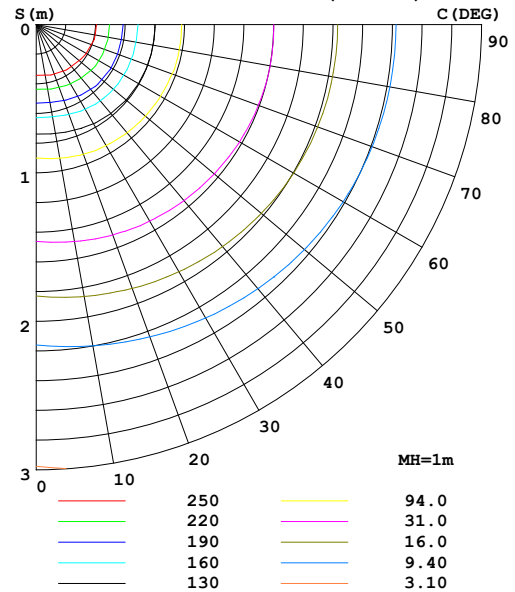
Test:U:120.0V I:0.1769A P:21.17W PF:0.9974 Lamp Flux:1449.99x1 lm		
NAME:	TYPE:CUB-24V-PC	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Blackjack Lighting	SUR.:0.12*0.62	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 68.50 lm/W			
MODEL	CUB-24V-PC	I _{max} (cd)	317.1	S/MH (C0/180)	1.28
NOMINAL POWER (W)	21	LOR (%)	100.0	S/MH (C90/270)	1.42
RATED VOLTAGE (V)	120.0	TOTAL FLUX (lm)	1450.0	η UP, DN (C0-180)	10.0, 39.7
NOMINAL FLUX (lm)	1449.99	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	9.8, 40.5
LAMPS INSIDE	1	η up (%)	19.8	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	120.0	η down (%)	80.2	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLANAR ISOLUX DIAGRAM (UNIT: lx)



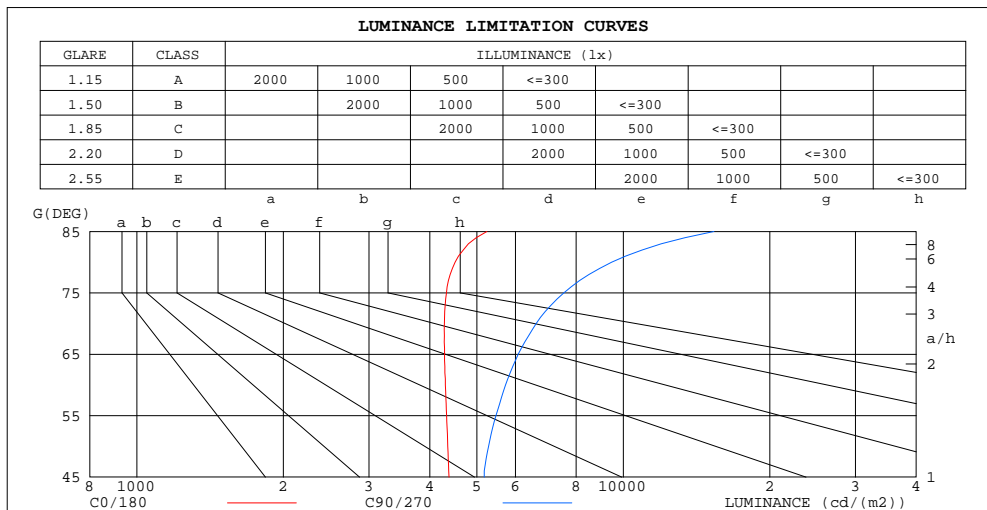
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.6DEG
 Operators: David
 Test Date: 2015-05-17

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	308.0	314.1	317.1	314.5	308.8	313.6	317.0	313.5	0- 10	29.95	29.95	2.07,2.07
20	293.3	305.9	316.0	306.6	294.5	306.9	315.2	307.0	10- 20	87.84	117.8	8.12,8.12
30	269.0	292.8	296.6	294.0	270.4	293.0	300.3	293.7	20- 30	137.9	255.7	17.6,17.6
40	236.1	261.8	270.1	262.1	237.4	265.5	275.1	266.1	30- 40	172.2	427.9	29.5,29.5
50	196.0	225.5	237.7	226.3	197.3	230.1	243.9	231.1	40- 50	188.1	616.1	42.5,42.5
60	150.7	184.9	200.4	185.8	151.8	190.1	207.4	191.3	50- 60	183.6	799.6	55.1,55.1
70	102.6	141.0	158.5	142.0	103.6	146.5	165.6	148.1	60- 70	160.6	960.3	66.2,66.2
80	54.84	95.71	115.0	96.66	55.30	101.2	122.3	102.8	70- 80	123.5	1084	74.7,74.7
90	12.44	58.48	80.60	60.41	12.49	58.76	80.64	60.23	80- 90	79.24	1163	80.2,80.2
100	15.52	59.21	81.71	61.49	15.62	57.52	78.25	58.55	90-100	59.01	1222	84.3,84.3
110	17.80	56.74	78.59	58.95	17.39	55.79	75.96	56.77	100-110	57.13	1279	88.2,88.2
120	19.32	53.05	71.60	54.98	18.78	53.01	70.03	54.00	110-120	51.41	1331	91.8,91.8
130	19.05	49.18	64.10	50.42	18.54	48.55	63.58	49.64	120-130	43.16	1374	94.7,94.7
140	18.45	43.27	55.77	44.10	17.52	39.67	55.00	43.43	130-140	33.34	1407	97.97
150	17.49	34.03	45.42	33.93	16.32	30.18	43.12	35.26	140-150	22.97	1430	98.6,98.6
160	16.53	25.35	32.50	25.50	15.43	21.26	30.29	28.38	150-160	13.07	1443	99.5,99.5
170	9.328	14.54	18.77	12.89	9.022	8.796	19.44	19.67	160-170	5.735	1449	99.9,99.9
180	15.79	15.95	0.5063	16.57	15.28	15.29	13.31	11.33	170-180	1.122	1450	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



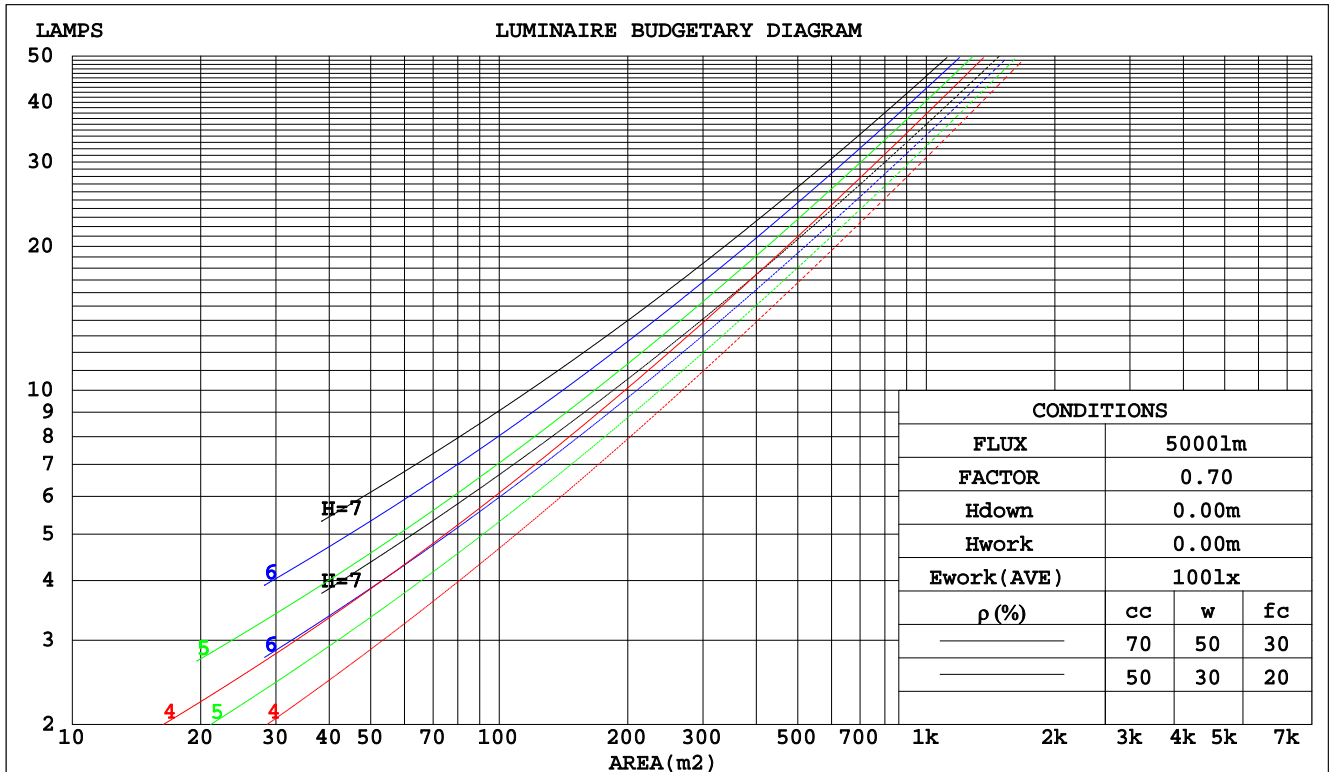
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.6DEG
Operators: David
Test Date: 2015-05-17

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:0.1769A P:21.17W PF:0.9974 Lamp Flux:1449.99x1 lm		
NAME:	TYPE:CUB-24V-PC	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Blackjack Lighting	SUR.:0.12*0.62	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	1.14	1.14	1.14	1.09	1.09	1.09	1.00	1.00	1.00	.92	.92	.92	.84	.84	.84	.80
1.0	.97	.92	.87	.92	.88	.84	.84	.81	.77	.77	.74	.72	.70	.68	.66	.63
2.0	.83	.75	.69	.79	.72	.67	.72	.67	.62	.66	.62	.58	.60	.57	.54	.50
3.0	.72	.63	.56	.69	.61	.55	.63	.56	.51	.58	.52	.48	.53	.48	.44	.41
4.0	.63	.54	.47	.61	.52	.46	.56	.48	.43	.51	.45	.40	.47	.42	.38	.35
5.0	.56	.47	.40	.54	.45	.39	.49	.42	.37	.45	.39	.34	.42	.36	.32	.30
6.0	.50	.41	.35	.48	.40	.34	.44	.37	.32	.41	.35	.30	.38	.32	.28	.26
7.0	.45	.36	.30	.44	.35	.29	.40	.33	.28	.37	.31	.26	.34	.29	.25	.22
8.0	.41	.33	.27	.40	.32	.26	.37	.30	.25	.34	.28	.23	.31	.26	.22	.20
9.0	.38	.29	.24	.36	.28	.23	.34	.27	.22	.31	.25	.21	.29	.24	.20	.18
10.0	.35	.27	.21	.33	.26	.21	.31	.24	.20	.29	.23	.19	.27	.22	.18	.16



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:David
 Test Date:2015-05-17

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:0.1769A P:21.17W PF:0.9974 Lamp Flux:1449.99x1 lm					
NAME:		TYPE:CUB-24V-PC		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.: Blackjack Lighting		SUR.:0.12*0.62		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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.360	.204	.065	.346	.198	.063	.322	.185	.059	.299	.172	.055	.278	.161	.052	
2.0	.319	.175	.054	.307	.169	.052	.284	.158	.049	.264	.148	.046	.245	.138	.044	
3.0	.286	.152	.046	.275	.148	.044	.255	.138	.042	.237	.130	.040	.219	.121	.038	
4.0	.259	.135	.040	.250	.131	.039	.231	.123	.037	.214	.115	.035	.198	.108	.033	
5.0	.237	.121	.035	.228	.117	.034	.211	.110	.032	.196	.103	.031	.181	.097	.029	
6.0	.218	.109	.031	.210	.106	.031	.195	.100	.029	.180	.094	.028	.167	.088	.026	
7.0	.201	.100	.028	.194	.097	.028	.180	.091	.026	.167	.086	.025	.155	.080	.024	
8.0	.187	.091	.026	.180	.089	.025	.168	.084	.024	.156	.079	.023	.144	.074	.022	
9.0	.175	.085	.024	.169	.082	.023	.157	.077	.022	.146	.073	.021	.135	.069	.020	
10.0	.164	.079	.022	.158	.076	.021	.147	.072	.020	.137	.068	.019	.127	.064	.018	

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	.341	.341	.341	.292	.292	.292	.199	.199	.199	.114	.114	.114	.037	.037	.037	
1.0	.336	.308	.282	.287	.264	.243	.197	.182	.168	.113	.105	.098	.036	.034	.032	
2.0	.329	.285	.248	.282	.245	.214	.193	.170	.149	.111	.099	.088	.036	.032	.029	
3.0	.321	.268	.226	.276	.231	.196	.189	.161	.137	.109	.094	.081	.035	.030	.027	
4.0	.314	.256	.211	.269	.221	.184	.185	.154	.129	.107	.090	.076	.034	.029	.025	
5.0	.306	.246	.201	.263	.213	.175	.181	.149	.124	.105	.087	.073	.034	.028	.024	
6.0	.299	.238	.194	.257	.206	.169	.177	.144	.120	.103	.085	.071	.033	.028	.023	
7.0	.292	.231	.189	.251	.201	.165	.174	.141	.117	.101	.083	.069	.033	.027	.023	
8.0	.286	.226	.185	.246	.196	.161	.170	.138	.114	.099	.081	.068	.032	.027	.023	
9.0	.280	.221	.182	.241	.192	.158	.167	.135	.112	.097	.080	.067	.031	.026	.022	
10.0	.274	.217	.179	.236	.188	.156	.164	.133	.111	.096	.078	.066	.031	.026	.022	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:David
 Test Date:2015-05-17

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:0.1769A P:21.17W PF:0.9974 Lamp Flux:1449.99x1 lm											
NAME:			TYPE:CUB-24V-PC			WEIGHT:					
SPEC.:			DIM.:			SERIAL No.:					
MFR.: Blackjack Lighting			SUR.: 0.12*0.62			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	16.8	18.1	17.3	18.6	19.2	17.8	19.1	18.3	19.7	20.3	
	3H	18.5	19.7	19.0	20.3	20.9	20.1	21.3	20.6	21.8	22.5
	4H	19.2	20.4	19.8	21.0	21.6	21.2	22.4	21.8	23.0	23.6
	6H	19.9	21.0	20.5	21.6	22.3	22.4	23.5	23.0	24.1	24.8
	8H	20.2	21.2	20.8	21.8	22.5	23.1	24.1	23.7	24.7	25.4
	12H	20.4	21.4	21.0	22.0	22.7	23.8	24.8	24.4	25.4	26.1
4H	2H	17.7	18.8	18.2	19.4	20.0	18.4	19.6	19.0	20.2	20.8
	3H	19.6	20.6	20.2	21.2	21.9	20.9	21.9	21.5	22.5	23.2
	4H	20.5	21.4	21.2	22.1	22.8	22.2	23.1	22.9	23.8	24.5
	6H	21.3	22.2	22.0	22.8	23.6	23.6	24.4	24.3	25.1	25.9
	8H	21.7	22.5	22.4	23.1	23.9	24.4	25.1	25.0	25.8	26.6
	12H	22.0	22.7	22.7	23.4	24.2	25.2	25.9	25.9	26.6	27.4
8H	4H	21.2	21.9	21.8	22.6	23.4	22.6	23.3	23.2	24.0	24.8
	6H	22.3	22.9	23.0	23.6	24.5	24.2	24.9	24.9	25.6	26.4
	8H	22.8	23.4	23.5	24.1	24.9	25.2	25.7	25.9	26.5	27.3
	12H	23.3	23.8	24.0	24.5	25.4	26.2	26.7	27.0	27.5	28.3
12H	4H	21.3	22.0	22.0	22.7	23.5	22.6	23.3	23.3	24.0	24.8
	6H	22.6	23.1	23.3	23.9	24.7	24.4	24.9	25.1	25.7	26.5
	8H	23.2	23.7	24.0	24.5	25.3	25.4	25.9	26.1	26.6	27.5
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 / - 0.5				+ 0.2 / - 0.3						

CIE Pub.117 Corrected 1450 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.3)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:David
 Test Date:2015-05-17

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:0.1769A P:21.17W PF:0.9974 Lamp Flux:1449.99x1 lm		
NAME:	TYPE:CUB-24V-PC	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Blackjack Lighting	SUR.:0.12*0.62	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) $k(RI) \times RCR = 5$									
$k = 0.60$	48	36	29	47	36	29	45	34	28	21
0.80	58	45	37	56	44	37	53	42	36	28
1.00	65	53	45	63	52	44	60	52	43	34
1.25	72	60	52	70	59	51	65	56	49	39
1.50	78	66	58	75	64	56	70	61	54	43
2.00	85	74	67	82	72	65	76	68	62	50
2.50	89	80	72	86	77	70	79	72	66	53
3.00	93	84	77	89	81	75	82	76	71	57
4.00	98	90	84	94	87	81	86	81	76	61
5.00	101	94	89	96	91	86	88	84	80	64
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:2015-05-17

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:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1769A P:21.17W PF:0.9974 Lamp Flux:1449.99x1 lm		
NAME:	TYPE:CUB-24V-PC	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Blackjack Lighting	SUR.:0.12*0.62	PROTECTION ANGLE:

Conical surface Flux(90deg):

521.23 lm

%lum = 35.9%

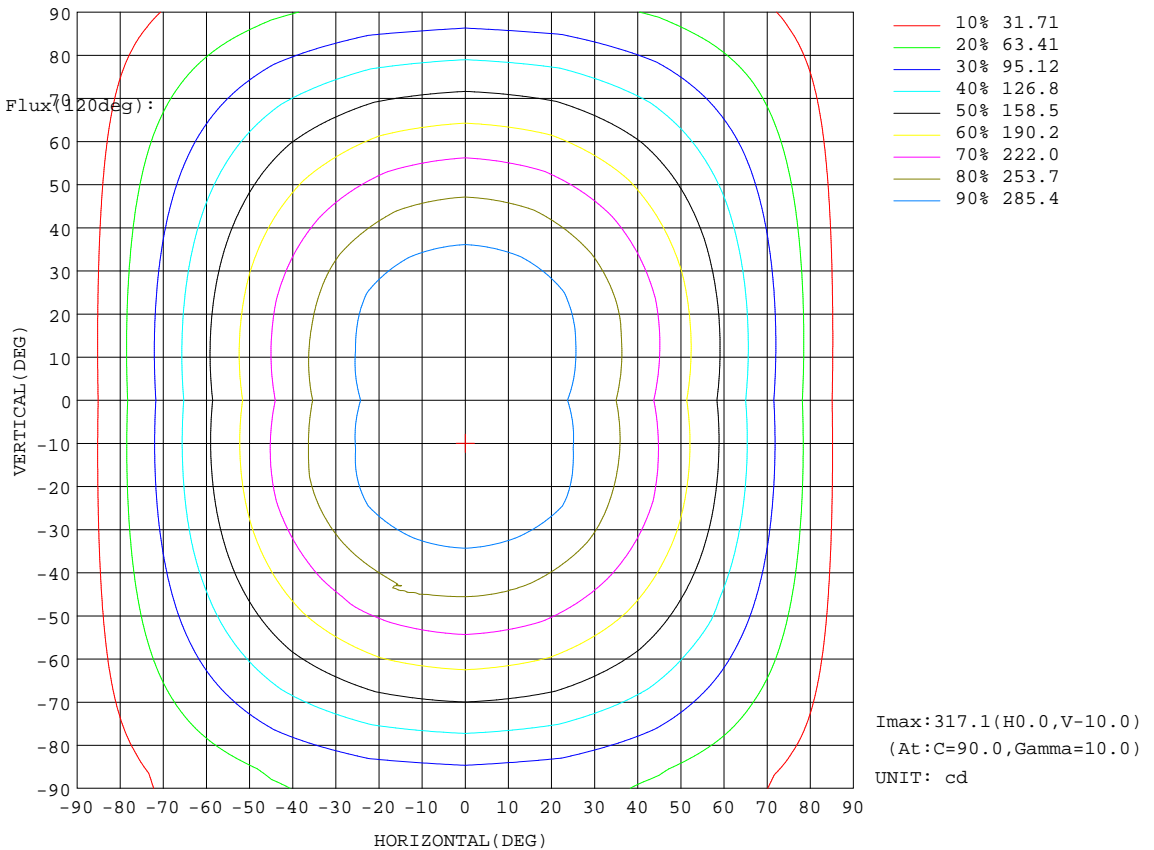
%lamp = 35.9%

Conical surface Flux(20deg):

799.65 lm

%lum = 55.1%

%lamp = 55.1%

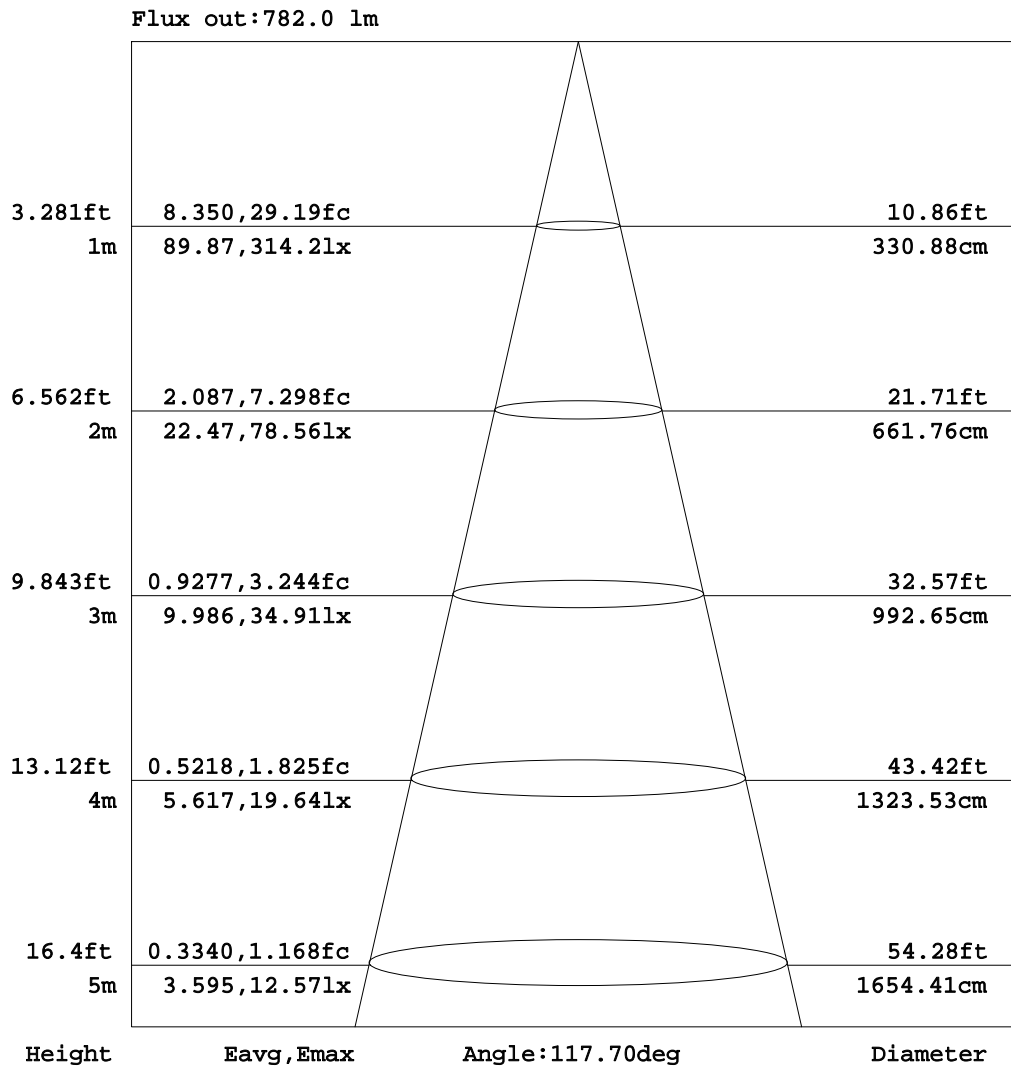


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.6DEG
Operators:David
Test Date:2015-05-17

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:0.1769A P:21.17W PF:0.9974 Lamp Flux:1449.99x1 lm		
NAME:	TYPE:CUB-24V-PC	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Blackjack Lighting	SUR.:0.12*0.62	PROTECTION ANGLE:



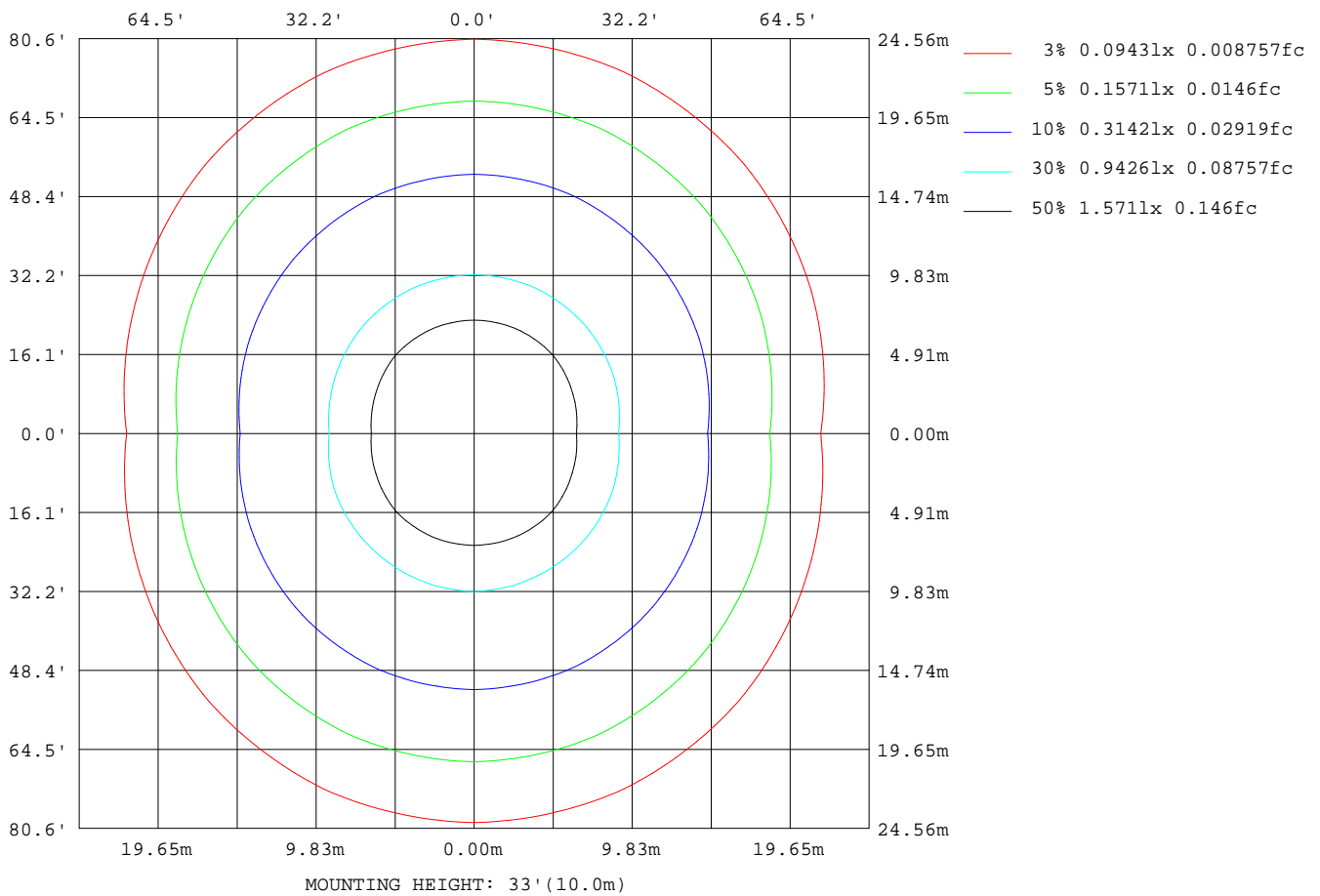
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.6DEG
Operators:David
Test Date:2015-05-17

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

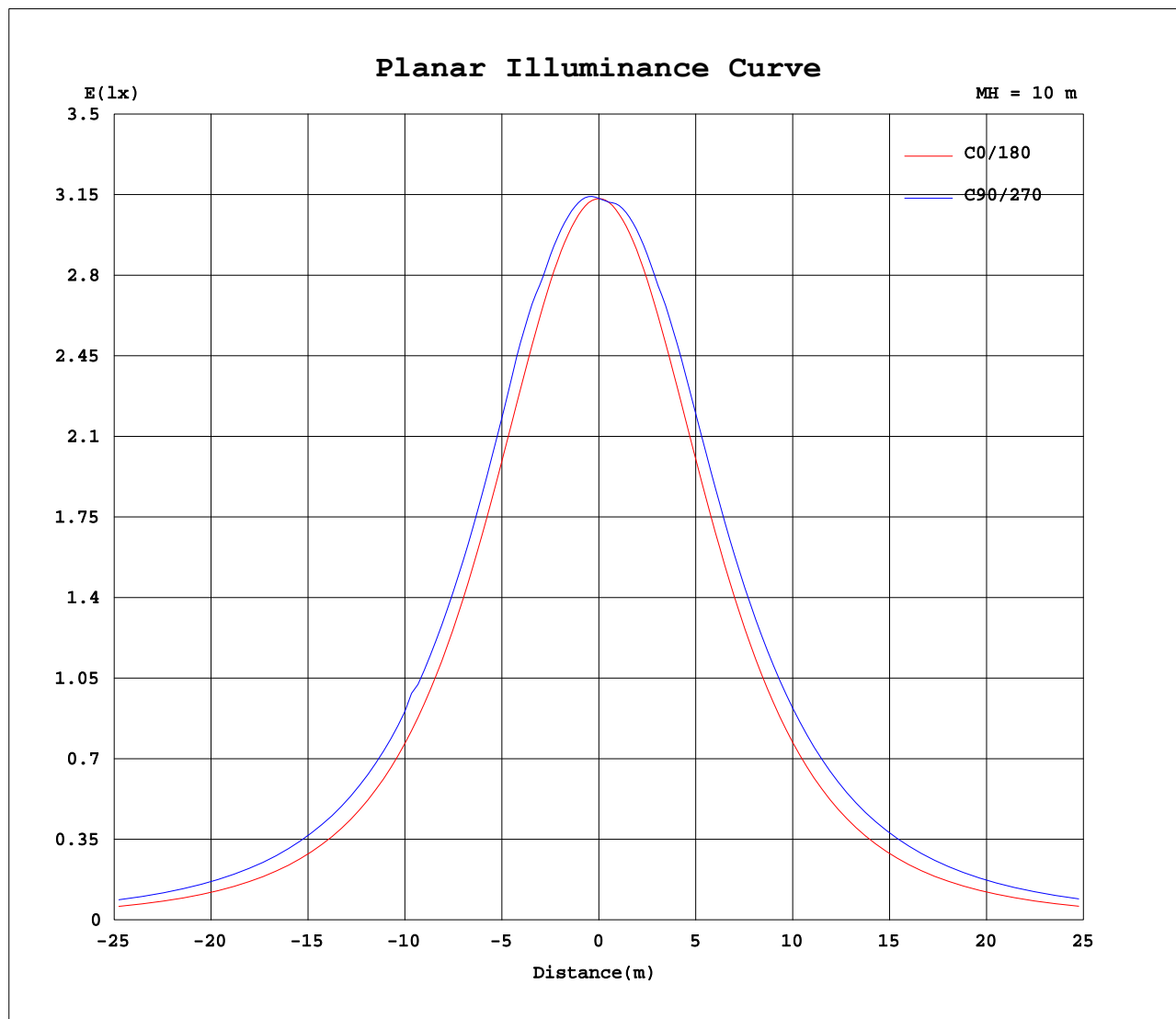
Test:U:120.0V I:0.1769A P:21.17W PF:0.9974 Lamp Flux:1449.99x1 lm		
NAME:	TYPE:CUB-24V-PC	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Blackjack Lighting	SUR.:0.12*0.62	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.6DEG
 Operators: David
 Test Date: 2015-05-17

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: 2015-05-17

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1769A P:21.17W PF:0.9974 Lamp Flux:1449.99x1 lm																		
NAME:									TYPE:CUB-24V-PC					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: Blackjack Lighting									SUR.:0.12*0.62					PROTECTION ANGLE:				

Table--1

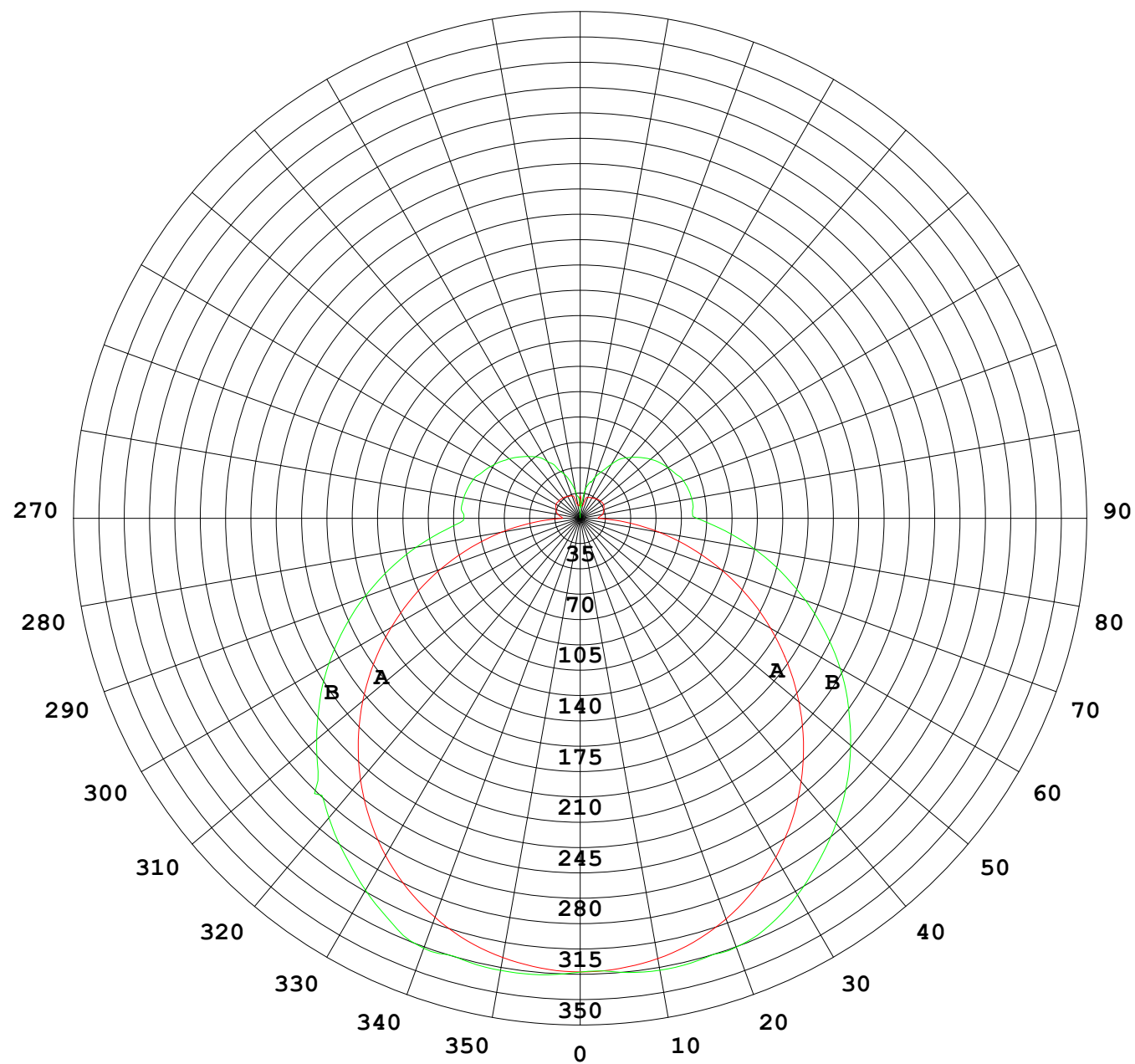
UNIT: cd

C (DEG) γ (DEG)	0	23	45	68	90	113	135	158	180	203	225	248	270	293	315	338			
0	313	313	313	313	313	313	314	313	313	313	313	313	313	313	314	313			
5	312	313	315	316	316	316	315	314	312	312	313	314	315	314	313	312			
10	308	311	314	316	317	316	315	312	309	310	314	316	317	316	314	310			
15	302	307	311	314	316	315	312	308	303	306	312	315	316	315	312	306			
20	293	300	306	313	316	314	307	301	295	300	307	313	315	313	307	300			
25	282	290	300	308	308	308	302	291	284	291	301	308	310	308	302	292			
30	269	279	293	295	297	296	294	280	270	280	293	299	300	299	294	281			
35	254	265	278	282	284	282	279	266	255	266	281	286	288	286	281	267			
40	236	249	262	268	270	268	262	253	237	250	265	272	275	273	266	253			
45	217	234	244	252	256	253	245	236	218	235	248	257	260	258	249	237			
50	196	215	225	235	238	235	226	215	197	216	230	240	244	241	231	217			
55	174	192	210	216	220	216	207	192	175	194	211	222	226	223	212	196			
60	151	169	185	197	200	197	186	169	152	172	190	203	207	204	191	173			
65	127	145	163	176	180	176	164	146	128	148	169	182	187	183	170	150			
70	103	123	141	154	158	155	142	123	104	125	147	161	166	162	148	127			
75	78.4	97.7	118	132	137	133	119	99.1	79.1	101	124	139	144	140	126	103			
80	54.8	74.3	95.7	110	115	111	96.7	75.7	55.3	77.8	101	117	122	118	103	80.0			
85	32.0	51.9	73.8	88.8	93.7	89.2	74.8	53.4	32.2	55.1	79.0	95.2	101	95.9	80.6	57.3			
90	12.4	34.2	58.5	74.9	80.6	75.8	60.4	36.8	12.5	34.8	58.8	75.1	80.6	75.8	60.2	36.8			
95	13.4	34.8	59.4	76.5	82.5	77.5	61.7	38.0	13.4	34.7	57.5	73.0	78.2	73.5	58.4	35.8			
100	15.5	35.2	59.2	75.8	81.7	76.8	61.5	38.2	15.6	35.2	57.5	72.9	78.2	73.5	58.5	36.4			
105	17.1	35.0	58.4	74.4	80.4	75.5	60.6	38.0	16.6	35.5	57.1	72.0	77.4	72.6	58.1	36.7			
110	17.8	34.9	56.7	72.7	78.6	73.7	58.9	37.6	17.4	35.4	55.8	70.6	76.0	71.2	56.8	36.6			
115	18.7	35.5	55.0	69.6	74.9	70.5	57.1	37.8	18.2	35.4	54.6	67.9	72.8	68.5	55.5	36.7			
120	19.3	35.4	53.1	66.5	71.6	67.3	55.0	37.8	18.8	34.7	53.0	65.4	70.0	66.0	54.0	36.5			
125	19.3	34.3	51.1	63.5	67.9	64.1	52.7	36.1	18.8	32.3	50.9	62.7	67.1	63.4	51.9	34.1			
130	19.0	31.6	49.2	59.9	64.1	60.3	50.4	34.4	18.5	30.1	48.6	59.3	63.6	60.0	49.6	31.8			
135	18.6	30.3	47.3	56.3	59.9	56.6	47.8	31.0	18.1	28.5	45.9	55.4	59.4	56.3	47.4	30.4			
140	18.5	28.3	43.3	52.7	55.8	52.8	44.1	29.1	17.5	26.6	39.7	51.3	55.0	52.4	43.4	29.3			
145	18.0	26.0	39.7	48.6	51.7	48.8	40.3	26.7	16.8	24.1	34.7	45.8	50.6	48.2	38.8	28.3			
150	17.5	22.9	34.0	42.6	45.4	41.5	33.9	24.0	16.3	20.5	30.2	37.7	43.1	41.5	35.3	27.3			
155	17.1	19.7	30.2	35.0	38.8	35.3	29.9	20.6	15.9	16.0	25.8	31.7	35.9	35.7	32.0	26.2			
160	16.5	17.3	25.3	30.5	32.5	30.9	25.5	17.3	15.4	13.1	21.3	26.9	30.3	31.0	28.4	24.3			
165	13.8	15.3	19.3	24.7	26.2	25.3	20.5	14.8	13.3	13.1	16.5	22.5	25.6	26.5	24.9	20.6			
170	9.33	9.36	14.5	17.6	18.8	16.8	12.9	8.96	9.02	9.02	8.80	13.6	19.4	20.7	19.7	15.7			
175	8.62	8.63	10.4	14.8	14.9	10.5	8.15	8.34	8.42	8.44	8.26	8.02	9.60	12.8	15.1	11.1			
180	15.8	17.0	15.9	11.2	0.51	9.86	16.6	17.7	15.3	15.3	15.3	15.3	13.3	7.27	11.3	15.0			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.6DEG
Operators:David
Test Date:2015-05-17

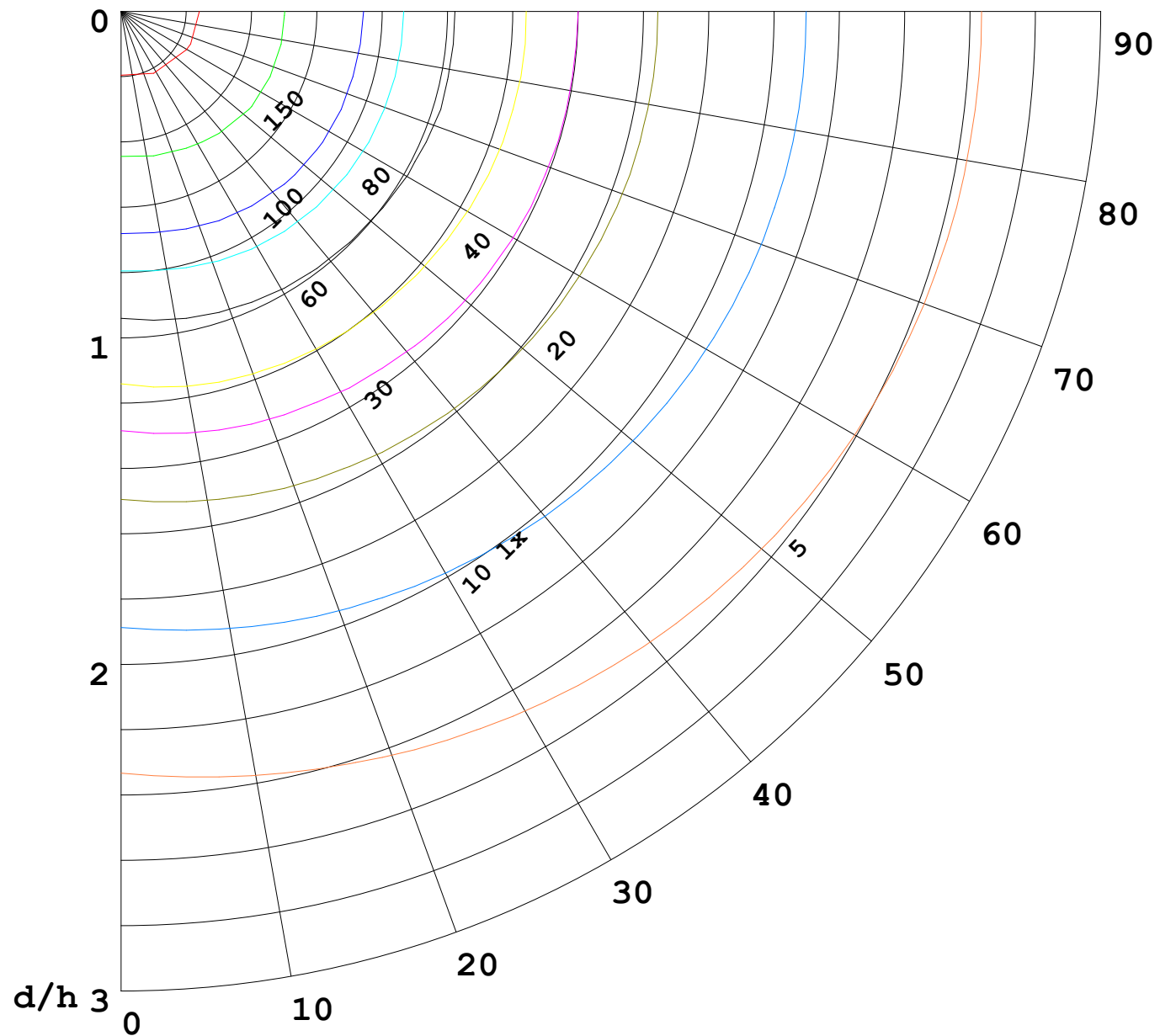
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.287
Humidity:67.1%
Test Distance:2.455m [K=1.0000]
Remarks:

I (cd)



1000 lm

$\kappa = 1$



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

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

