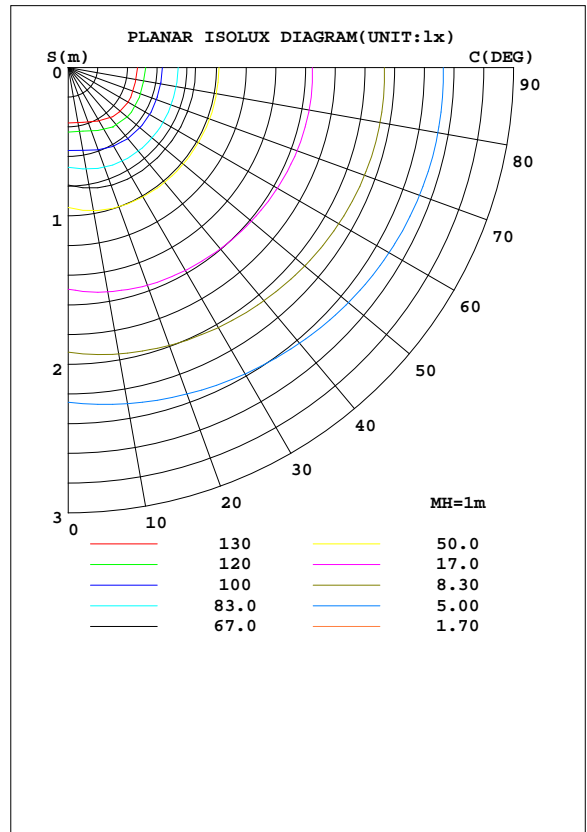
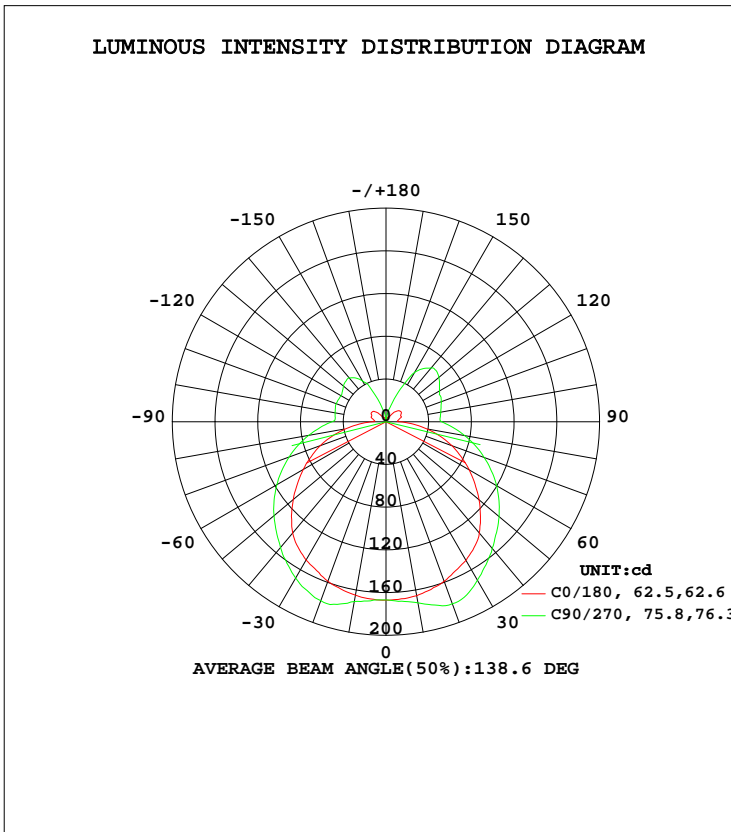


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.1132A P:13.32W PF:0.9816 Lamp Flux:913.622x1 lm		
NAME:	TYPE:CUB-12V-PC	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Blackjack Lighting	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 68.56 lm/W			
MODEL	CUB-12V-PC	I _{max} (cd)	181.5	S/MH(C0/180)	1.34
NOMINAL POWER(W)	14	LOR(%)	100.0	S/MH(C90/270)	1.49
RATED VOLTAGE(V)	120.0	TOTAL FLUX(lm)	913.62	η UP, DN(C0-180)	11.8, 37.2
NOMINAL FLUX(lm)	913.622	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	13.2, 37.7
LAMPS INSIDE	1	η up(%)	25.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120.0	η down(%)	75.0	CIBSE SHR MAX	1.55



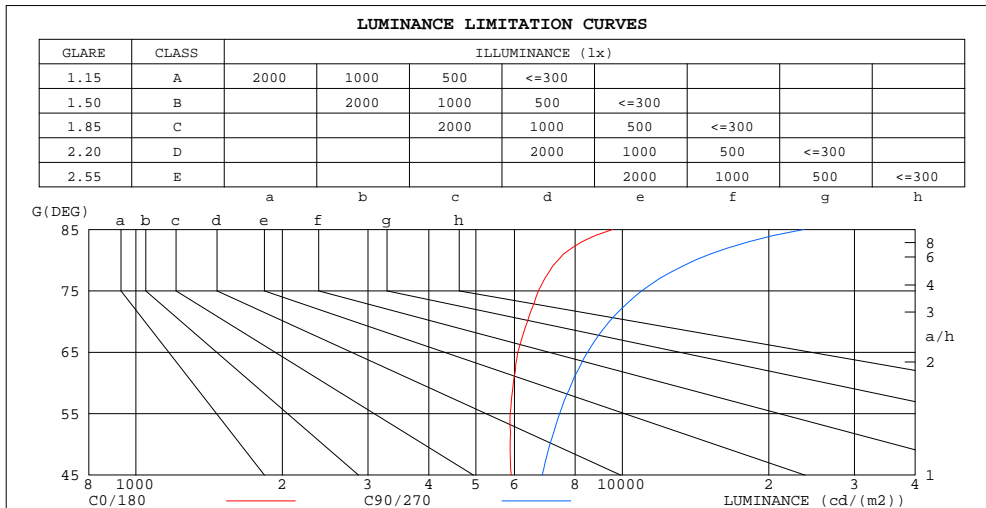
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:David
 Test Date:2015-04-10

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	164.8	168.5	170.9	168.7	165.4	169.4	172.1	168.8	0- 10	16.03	16.03	1.75,1.75
20	159.0	171.8	178.3	172.1	159.0	173.6	181.3	173.2	10- 20	48.26	64.29	7.04,7.04
30	149.6	168.0	169.1	167.6	149.8	171.8	171.4	171.9	20- 30	77.96	142.2	15.6,15.6
40	136.1	153.4	153.7	153.1	136.1	155.8	154.7	155.5	30- 40	99.39	241.6	26.4,26.4
50	113.4	134.0	136.8	133.2	113.6	135.0	138.4	135.4	40- 50	109.7	351.3	38.5,38.5
60	89.55	110.1	118.2	109.6	90.12	111.1	119.6	111.2	50- 60	107.6	459.0	50.2,50.2
70	65.48	86.83	96.46	86.69	65.70	87.68	97.85	87.84	60- 70	95.98	554.9	60.7,60.7
80	38.42	62.99	73.48	62.96	38.77	63.86	74.80	63.96	70- 80	76.92	631.9	69.2,69.2
90	12.78	39.66	50.75	39.80	13.12	40.65	52.21	40.44	80- 90	52.93	684.8	75,75
100	11.95	37.63	48.38	37.97	12.20	40.44	52.04	39.89	90-100	38.44	723.2	79.2,79.2
110	14.58	39.50	49.75	40.10	15.12	44.61	55.17	44.07	100-110	39.84	763.1	83.5,83.5
120	16.10	45.40	48.78	45.47	16.64	54.21	57.90	53.77	110-120	41.38	804.5	88.1,88.1
130	15.32	49.61	51.97	51.04	16.19	59.67	64.69	58.39	120-130	40.96	845.4	92.5,92.5
140	8.838	43.11	53.72	43.91	11.36	50.50	65.78	51.14	130-140	33.91	879.3	96.2,96.2
150	4.970	28.27	44.35	29.93	5.388	26.46	53.24	34.62	140-150	21.83	901.2	98.6,98.6
160	3.269	12.07	22.22	12.33	3.607	10.28	23.01	17.51	150-160	9.949	911.1	99.7,99.7
170	0.2241	3.214	8.843	4.602	0.1722	0.1603	6.222	5.135	160-170	2.400	913.5	100,100
180	0.0371	0.0103	0	0.0108	0.0173	0.0152	0.0132	0.0114	170-180	0.1211	913.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	9548	23620
80	7374	14105
75	6720	10953
70	6381	9401
65	6099	8482
60	5970	7877
55	5882	7430
50	5878	7096
45	5909	6844

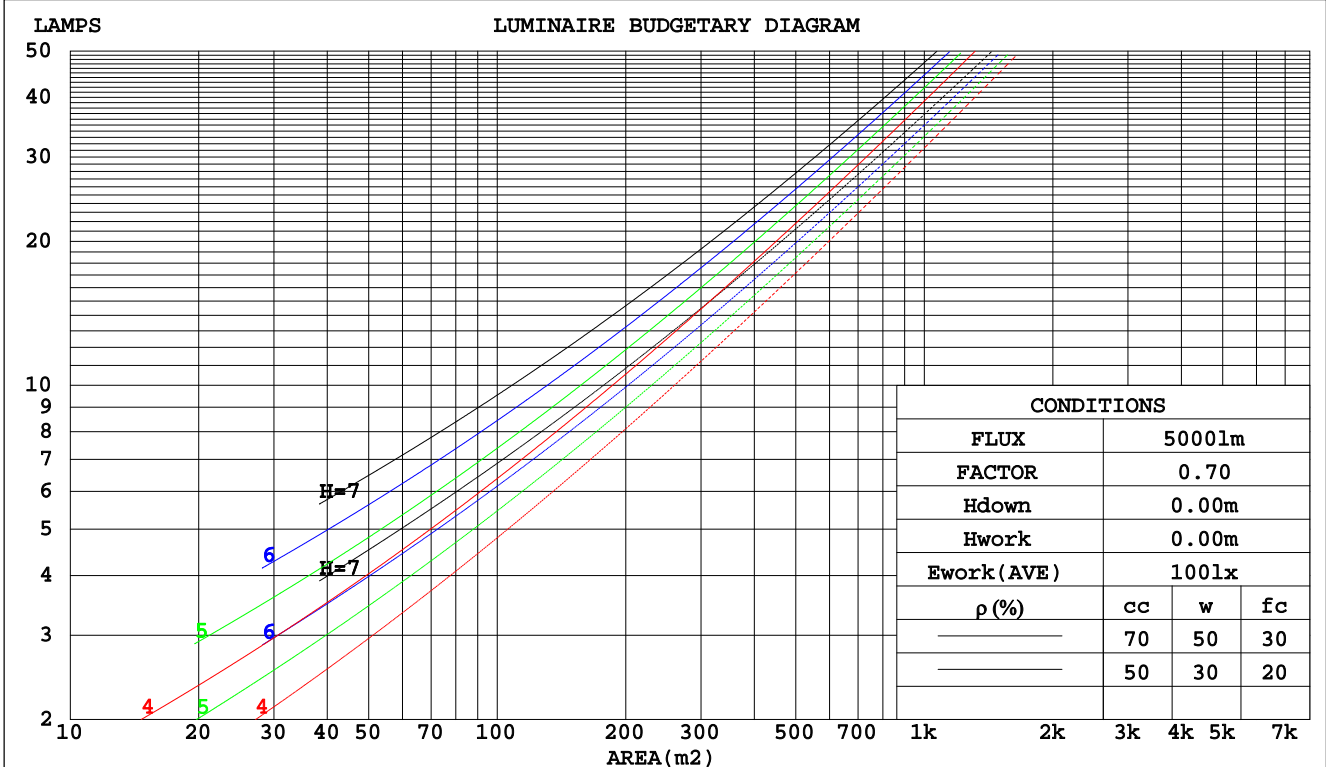
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:David
 Test Date:2015-04-10

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:0.1132A P:13.32W PF:0.9816 Lamp Flux:913.622x1 lm		
NAME:	TYPE:CUB-12V-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	1.13	1.13	1.13	1.08	1.08	1.08	.97	.97	.97	.88	.88	.88	.79	.79	.79	.75
1.0	.95	.90	.85	.90	.86	.82	.81	.78	.75	.73	.70	.68	.66	.64	.62	.58
2.0	.81	.74	.68	.77	.71	.65	.70	.64	.60	.63	.58	.55	.56	.53	.50	.46
3.0	.71	.62	.55	.67	.59	.53	.61	.54	.49	.55	.49	.45	.49	.45	.41	.38
4.0	.62	.53	.46	.59	.51	.44	.53	.46	.41	.48	.42	.38	.43	.38	.35	.31
5.0	.55	.46	.39	.52	.44	.38	.47	.40	.35	.43	.37	.32	.38	.34	.30	.27
6.0	.49	.40	.33	.47	.38	.32	.43	.35	.30	.38	.32	.28	.35	.30	.26	.23
7.0	.44	.35	.29	.42	.34	.28	.38	.31	.26	.35	.29	.24	.32	.26	.23	.20
8.0	.40	.32	.26	.38	.30	.25	.35	.28	.23	.32	.26	.22	.29	.24	.20	.18
9.0	.37	.28	.23	.35	.27	.22	.32	.25	.21	.29	.23	.19	.27	.22	.18	.16
10.0	.34	.26	.20	.32	.25	.20	.30	.23	.19	.27	.21	.17	.25	.20	.16	.14



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:0.1132A P:13.32W PF:0.9816 Lamp Flux:913.622x1 lm														
NAME:					TYPE:CUB-12V-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	.363	.207	.065	.348	.199	.063	.321	.184	.059	.295	.170	.055	.272	.158	.051	
2.0	.320	.175	.054	.306	.169	.052	.281	.156	.049	.258	.145	.045	.237	.134	.042	
3.0	.286	.152	.046	.274	.147	.044	.251	.136	.041	.230	.126	.039	.211	.117	.036	
4.0	.259	.135	.040	.248	.130	.038	.227	.121	.036	.208	.112	.034	.190	.103	.031	
5.0	.236	.121	.035	.226	.116	.034	.208	.108	.032	.190	.100	.030	.173	.093	.028	
6.0	.217	.109	.031	.208	.105	.030	.191	.098	.028	.175	.091	.027	.159	.084	.025	
7.0	.201	.099	.028	.192	.096	.027	.176	.089	.026	.162	.083	.024	.147	.077	.023	
8.0	.187	.091	.026	.179	.088	.025	.164	.082	.023	.150	.076	.022	.137	.070	.021	
9.0	.174	.084	.024	.167	.081	.023	.153	.076	.021	.140	.070	.020	.128	.065	.019	
10.0	.163	.078	.022	.156	.076	.021	.144	.070	.020	.132	.065	.019	.121	.061	.017	

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	.381	.381	.381	.326	.326	.326	.222	.222	.222	.128	.128	.128	.041	.041	.041	
1.0	.376	.348	.323	.322	.299	.278	.220	.206	.192	.127	.119	.112	.041	.038	.036	
2.0	.370	.325	.288	.317	.280	.249	.217	.194	.174	.125	.113	.102	.040	.036	.033	
3.0	.362	.309	.267	.311	.267	.231	.213	.185	.162	.123	.108	.096	.040	.035	.031	
4.0	.355	.297	.252	.305	.256	.219	.209	.179	.154	.121	.105	.091	.039	.034	.030	
5.0	.348	.287	.243	.298	.248	.211	.206	.174	.149	.119	.102	.088	.038	.033	.029	
6.0	.340	.279	.235	.293	.242	.205	.202	.169	.145	.117	.100	.086	.038	.033	.028	
7.0	.334	.273	.230	.287	.236	.201	.198	.166	.142	.115	.098	.085	.037	.032	.028	
8.0	.327	.267	.226	.282	.232	.197	.195	.163	.140	.113	.096	.083	.037	.031	.028	
9.0	.321	.263	.223	.276	.228	.195	.192	.160	.138	.112	.095	.082	.036	.031	.027	
10.0	.315	.259	.221	.272	.225	.193	.189	.158	.137	.110	.093	.082	.036	.031	.027	

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:0.1132A P:13.32W PF:0.9816 Lamp Flux:913.622x1 lm										
NAME:				TYPE:CUB-12V-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	17.6	18.9	18.2	19.5	20.2	18.6	19.9	19.2	20.5	21.2
3H	19.5	20.6	20.1	21.3	22.0	20.9	22.1	21.6	22.7	23.5
4H	20.3	21.4	21.0	22.1	22.8	22.2	23.3	22.8	23.9	24.7
6H	21.1	22.2	21.8	22.8	23.6	23.5	24.5	24.2	25.2	26.0
8H	21.5	22.5	22.2	23.2	24.0	24.2	25.2	24.9	25.9	26.7
12H	21.8	22.8	22.5	23.5	24.3	25.0	25.9	25.7	26.6	27.4
4H 2H	18.5	19.6	19.2	20.3	21.0	19.2	20.3	19.9	21.0	21.7
3H	20.6	21.5	21.3	22.2	23.0	21.8	22.8	22.5	23.4	24.2
4H	21.6	22.5	22.3	23.2	24.0	23.2	24.1	23.9	24.8	25.6
6H	22.6	23.4	23.3	24.1	25.0	24.7	25.5	25.4	26.2	27.1
8H	23.0	23.8	23.8	24.5	25.4	25.5	26.3	26.3	27.0	27.9
12H	23.5	24.1	24.2	24.9	25.8	26.4	27.1	27.2	27.9	28.8
8H 4H	22.3	23.0	23.0	23.8	24.6	23.6	24.3	24.3	25.1	25.9
6H	23.5	24.2	24.3	24.9	25.9	25.4	26.0	26.1	26.8	27.7
8H	24.2	24.7	25.0	25.5	26.5	26.4	26.9	27.2	27.7	28.7
12H	24.8	25.3	25.6	26.1	27.0	27.5	28.0	28.3	28.8	29.8
12H 4H	22.4	23.1	23.2	23.9	24.8	23.6	24.3	24.4	25.1	26.0
6H	23.9	24.4	24.7	25.2	26.1	25.5	26.1	26.3	26.8	27.8
8H	24.6	25.1	25.4	25.9	26.9	26.6	27.1	27.4	27.9	28.9
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 913.6 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.3)

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:0.1132A P:13.32W PF:0.9816 Lamp Flux:913.622x1 lm		
NAME:	TYPE:CUB-12V-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	46	34	27	45	34	27	43	32	26	19
0.80	56	43	35	54	42	34	50	40	33	25
1.00	63	51	43	61	49	42	57	49	40	30
1.25	70	58	50	68	56	49	62	53	46	36
1.50	76	64	55	72	62	54	67	58	51	39
2.00	83	72	64	79	70	62	73	65	59	45
2.50	88	78	70	84	75	68	76	69	63	49
3.00	91	82	75	87	79	72	79	73	67	52
4.00	96	88	82	91	85	79	83	78	73	56
5.00	99	92	87	94	88	83	85	81	77	59
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

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:0.1132A P:13.32W PF:0.9816 Lamp Flux:913.622x1 lm		
NAME:	TYPE:CUB-12V-PC	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Blackjack Lighting	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

296.01 lm

%lum = 32.4%

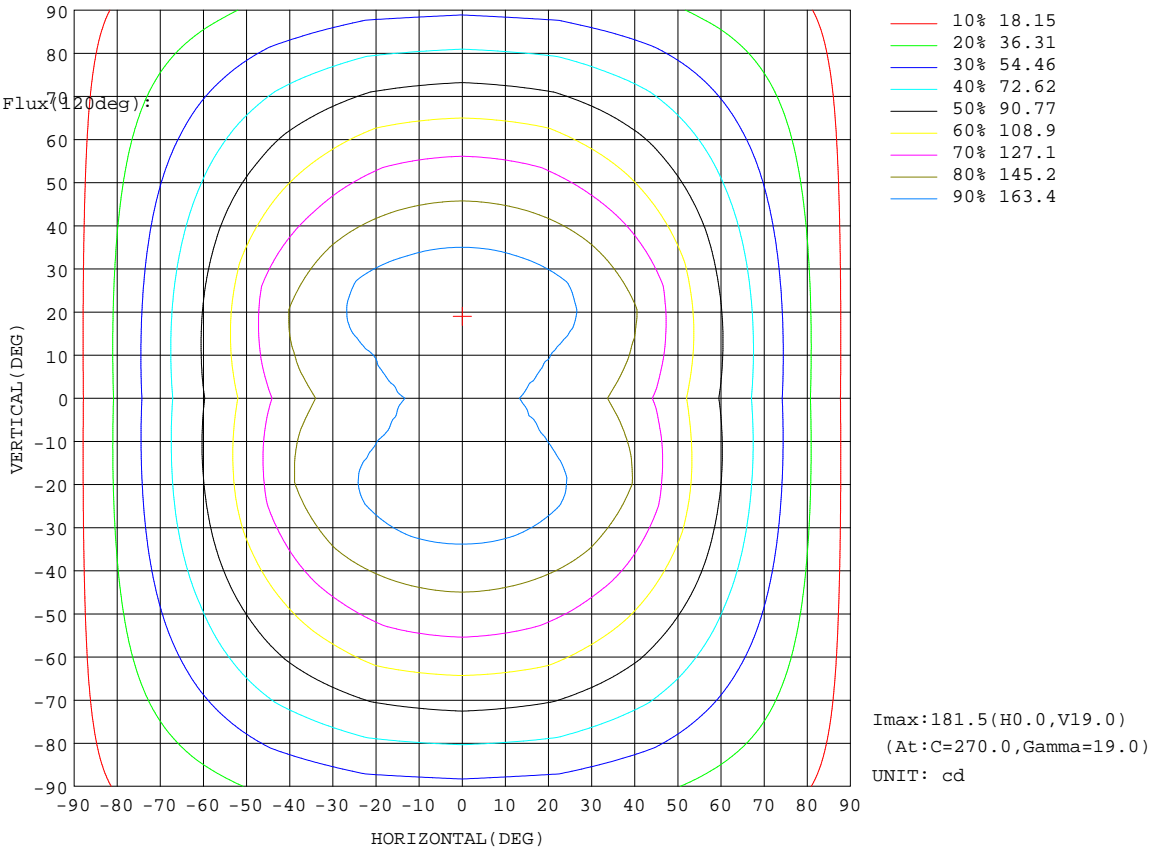
%lamp = 32.4%

Conical surface Flux(70deg):

458.96 lm

%lum = 50.2%

%lamp = 50.2%

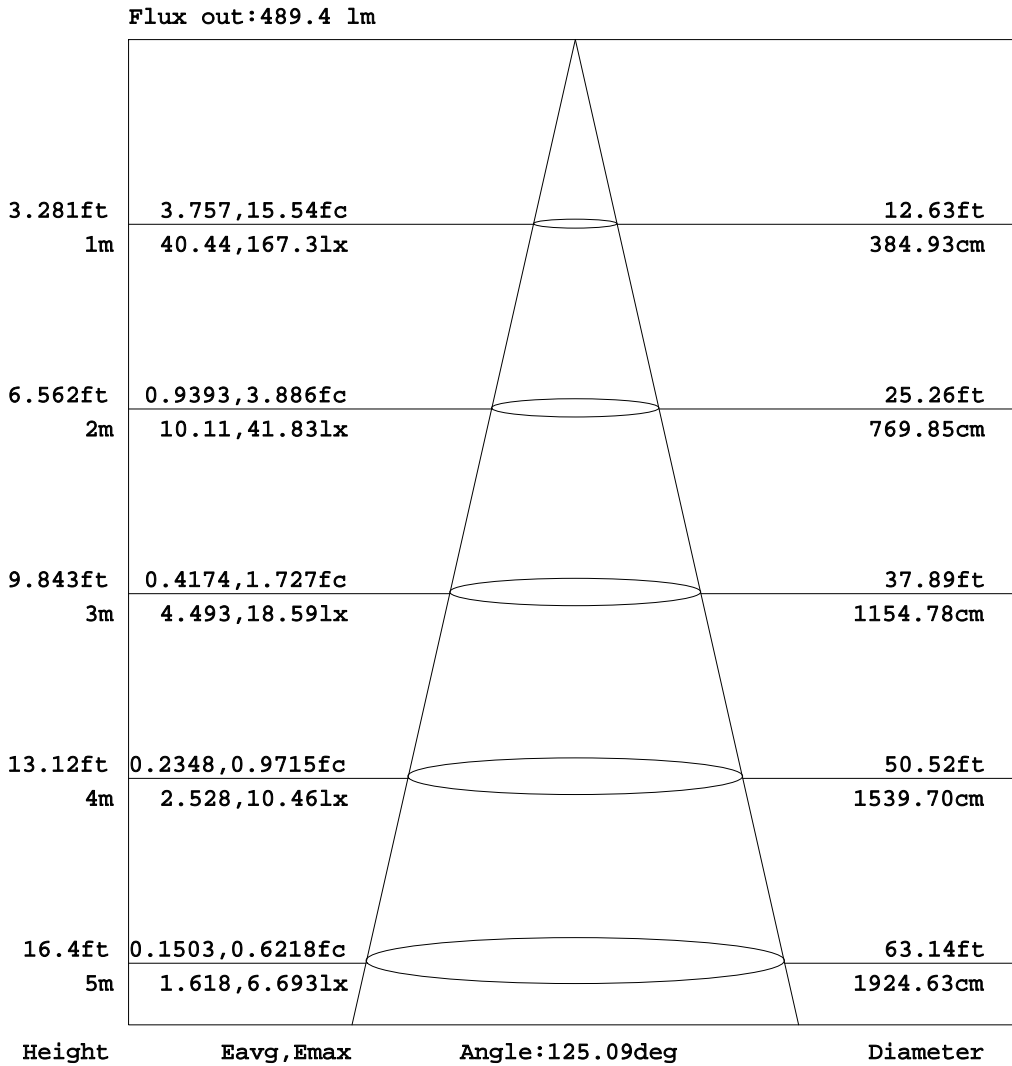


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.6DEG
 Operators:David
 Test Date:2015-04-10

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:0.1132A P:13.32W PF:0.9816 Lamp Flux:913.622x1 lm		
NAME:	TYPE:CUB-12V-PC	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Blackjack Lighting	SUR.:	PROTECTION ANGLE:



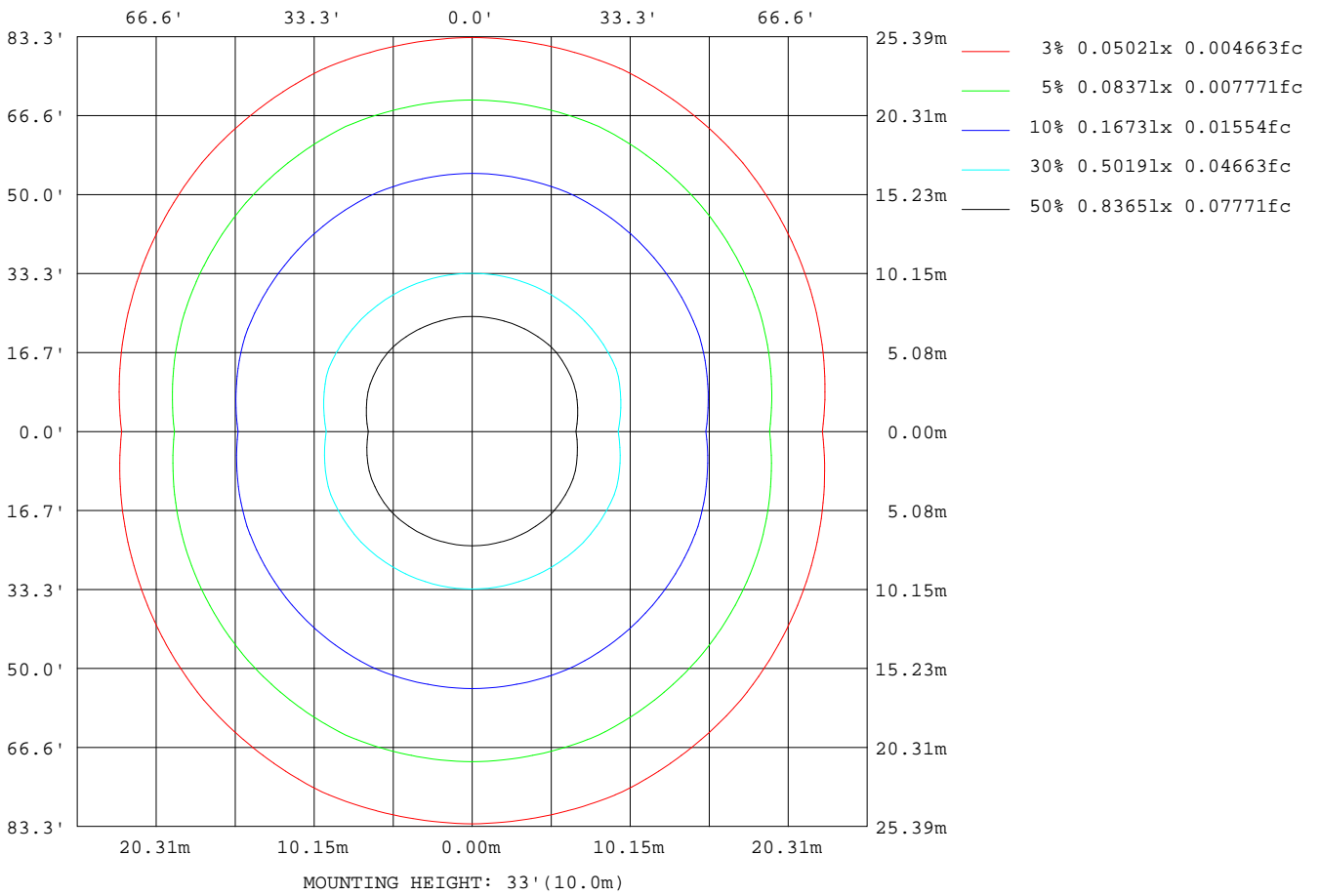
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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

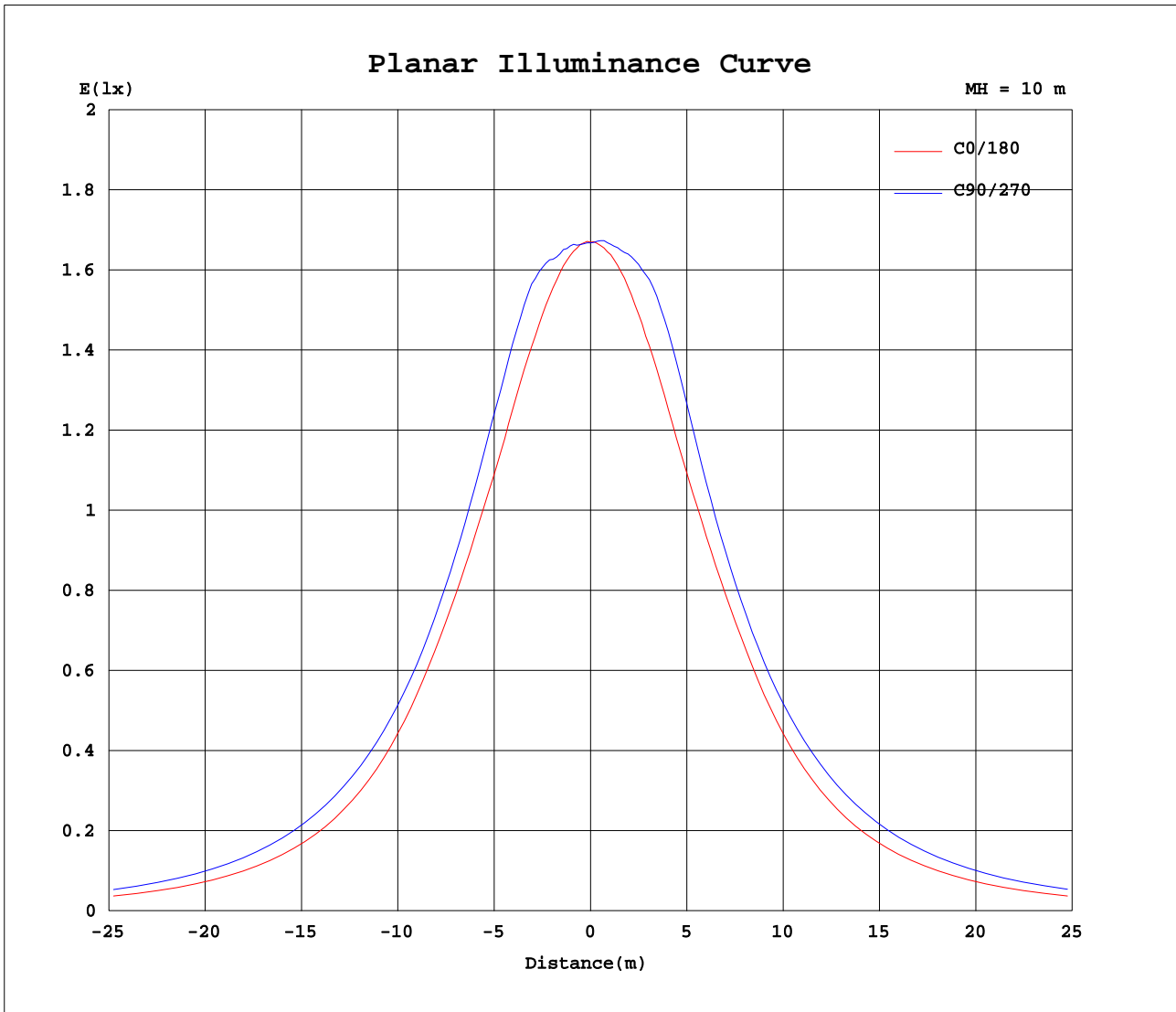
Test:U:120.0V I:0.1132A P:13.32W PF:0.9816 Lamp Flux:913.622x1 lm		
NAME:	TYPE:CUB-12V-PC	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Blackjack Lighting	SUR.:	PROTECTION ANGLE:



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

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:0.1132A P:13.32W PF:0.9816 Lamp Flux:913.622x1 lm		
NAME:	TYPE:CUB-12V-PC	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Blackjack Lighting	SUR.:	PROTECTION ANGLE:

Table--1

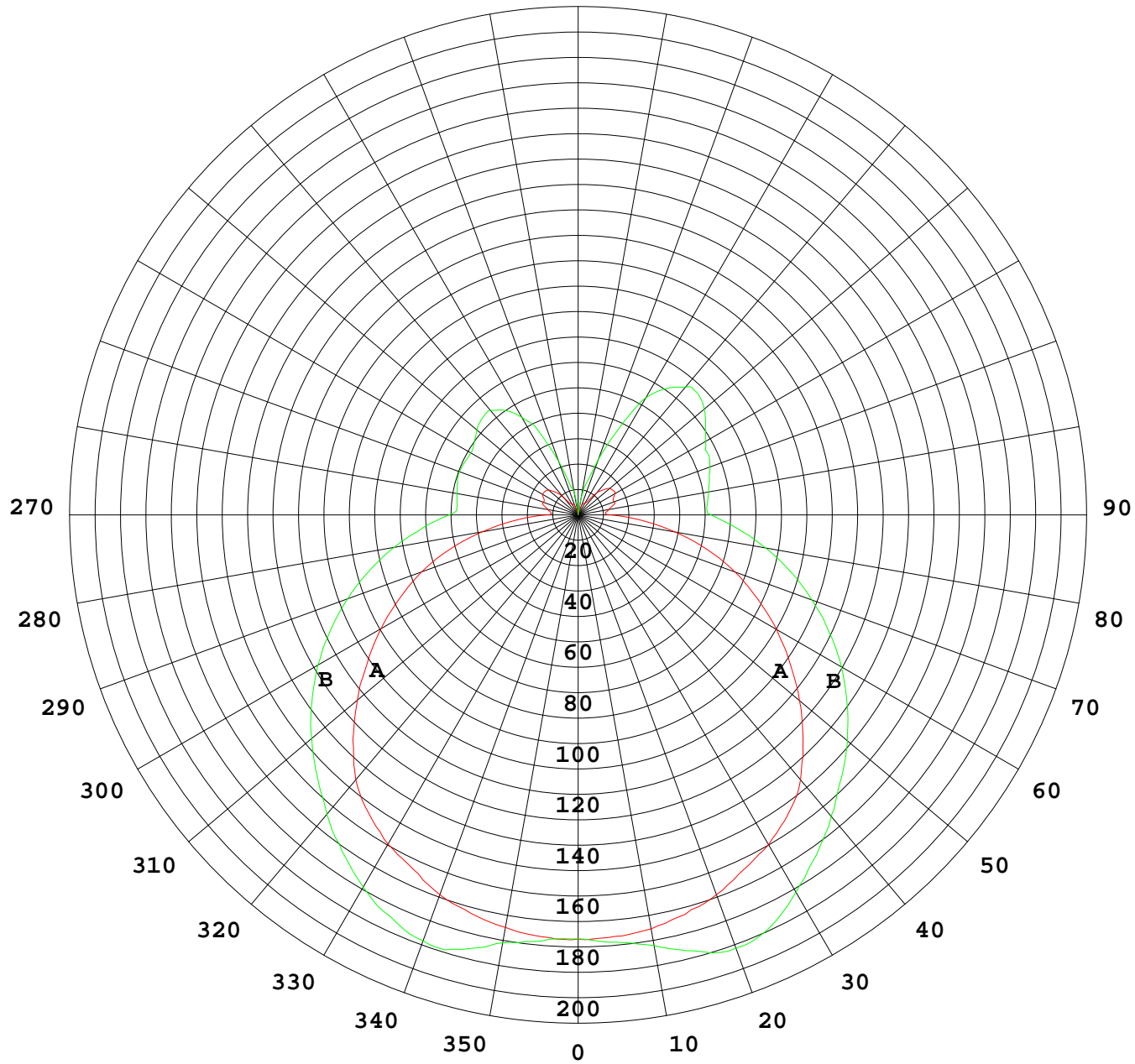
UNIT: cd

C(DEG) γ (DEG)	0	23	45	68	90	113	135	158	180	203	225	248	270	293	315	338			
0	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167			
5	167	167	167	168	168	168	167	167	166	168	168	169	169	169	168	167			
10	165	166	168	170	171	170	169	166	165	167	169	171	172	171	169	167			
15	162	165	169	175	177	175	170	165	163	166	171	176	178	176	171	165			
20	159	163	172	178	178	178	172	163	159	164	174	181	181	180	173	164			
25	154	159	173	175	174	175	172	160	154	161	175	179	179	178	175	160			
30	150	158	168	169	169	169	168	158	150	160	172	172	171	172	172	159			
35	143	155	161	162	162	162	161	155	144	157	165	164	163	163	165	156			
40	136	151	153	154	154	154	153	150	136	153	156	155	155	155	155	152			
45	125	141	144	145	145	145	144	140	125	144	146	146	146	146	146	144			
50	113	129	134	136	137	136	133	128	114	132	135	137	138	137	135	132			
55	101	115	122	127	128	127	121	115	102	118	123	128	129	128	123	118			
60	89.5	102	110	117	118	117	110	101	90.1	103	111	118	120	118	111	103			
65	77.3	88.5	98.4	106	108	106	98.1	87.9	77.7	89.4	99.3	108	109	108	99.4	89.5			
70	65.5	75.2	86.8	94.9	96.5	94.9	86.7	74.9	65.7	75.8	87.7	96.2	97.9	96.3	87.8	76.0			
75	52.2	62.5	75.0	83.2	85.0	83.2	75.0	62.4	52.4	63.3	75.9	84.4	86.6	84.6	75.9	63.4			
80	38.4	50.2	63.0	71.5	73.5	71.6	63.0	50.1	38.8	50.6	63.9	72.8	74.8	72.6	64.0	50.6			
85	25.0	37.9	51.1	59.9	61.8	59.9	51.1	37.8	25.3	38.3	51.7	60.9	63.1	61.0	51.9	38.2			
90	12.8	26.1	39.7	48.6	50.8	48.6	39.8	26.3	13.1	26.7	40.6	49.8	52.2	49.8	40.4	26.6			
95	10.8	23.6	36.8	45.6	47.8	45.7	37.1	24.0	10.9	25.1	39.2	48.6	51.0	48.4	38.8	24.6			
100	12.0	24.7	37.6	46.2	48.4	46.3	38.0	25.2	12.2	26.6	40.4	49.7	52.0	49.4	39.9	26.1			
105	13.9	26.3	38.8	47.2	49.1	47.3	39.2	26.9	14.1	29.5	42.5	51.3	53.5	51.0	42.0	29.0			
110	14.6	29.9	39.5	47.8	49.8	48.0	40.1	30.4	15.1	34.4	44.6	53.5	55.2	53.3	44.1	33.9			
115	14.9	34.0	41.4	47.6	49.2	47.9	41.7	34.7	15.3	39.2	48.7	54.4	56.5	54.2	48.4	38.5			
120	16.1	36.1	45.4	47.7	48.8	47.9	45.5	37.2	16.6	41.5	54.2	57.2	57.9	56.9	53.8	40.6			
125	16.0	36.4	48.7	49.9	49.9	49.7	49.1	37.9	16.8	41.5	58.5	60.9	61.2	60.8	57.8	40.0			
130	15.3	32.7	49.6	52.5	52.0	52.3	51.0	36.2	16.2	35.8	59.7	64.2	64.7	64.3	58.4	34.5			
135	12.8	25.6	46.2	54.4	53.6	54.3	47.4	29.4	14.0	29.1	55.4	65.9	67.0	66.1	54.7	28.3			
140	8.84	17.5	43.1	52.3	53.7	52.4	43.9	21.4	11.4	20.5	50.5	62.7	65.8	63.0	51.1	20.1			
145	5.60	13.2	39.2	48.3	50.2	48.3	40.1	14.6	6.76	15.1	38.4	56.8	60.8	58.1	43.6	16.0			
150	4.97	12.9	28.3	42.0	44.4	41.9	29.9	13.8	5.39	10.7	26.5	44.4	53.2	50.4	34.6	15.9			
155	4.74	11.4	18.7	30.0	35.6	30.9	20.3	13.4	5.07	5.43	16.4	28.6	36.9	35.7	26.1	15.7			
160	3.27	6.62	12.1	18.8	22.2	19.5	12.3	8.65	3.61	3.46	10.3	16.0	23.0	23.7	17.5	11.8			
165	1.31	2.10	9.35	11.2	11.9	11.4	10.1	3.41	1.38	1.37	2.48	10.3	13.4	14.1	12.7	6.81			
170	0.22	0.48	3.21	7.13	8.84	8.02	4.60	0.70	0.17	0.18	0.16	2.31	6.22	7.20	5.14	0.84			
175	0.05	0.07	0.30	0.67	0.95	0.85	0.43	0.06	0.02	0.02	0.04	0.07	0.16	0.20	0.11	0.04			
180	0.04	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01			

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)



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

