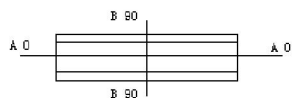
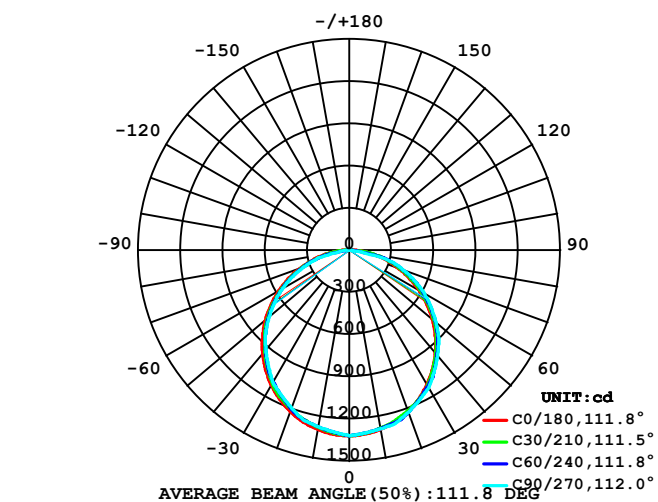


LUMINAIRE PHOTOMETRIC TEST REPORT

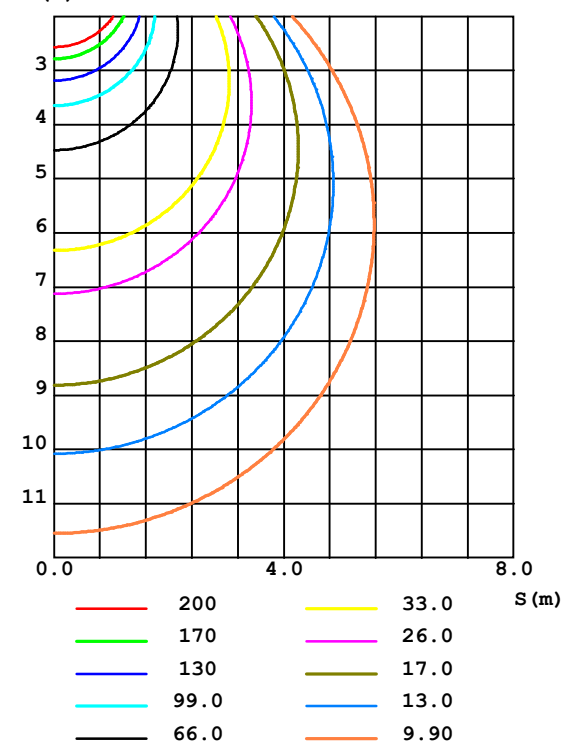
Test:U:220.1V I:0.2490A P:52.20W PF:0.9500 Lamp Flux:3695.42x1 lm		
NAME: LED-S0606S2-056W-CW	TYPE:Natural Color	WEIGHT:
DIM.: 600*600	SPEC.:56W	SERIAL No.:
MFR.: LED Lighting	SUR.:0.556*0.556	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 70.79 lm/W
MODEL	LED	I _{max} (cd)	1320	S/MH (C0/180)	1.25	
NOMINAL POWER(W)	54	LOR (%)	100.0	S/MH (C90/270)	1.27	
RATED VOLTAGE(V)	220	TOTAL FLUX (lm)	3695.4	η UP,DN (C0-180)	0.0,51.3	
NOMINAL FLUX(lm)	3695.42	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,48.7	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	220.2	η down (%)	100.0	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KADDY
Test Date:2012-01-11

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.830m [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
5	1314	1307	1306	1307	1314	1302	1298	1301	0- 5	31.35	31.35	0.85,0.85
10	1295	1287	1292	1289	1297	1277	1276	1276	5- 10	92.63	124.0	3.35,3.35
15	1265	1262	1277	1264	1266	1247	1254	1245	10- 15	150.8	274.8	7.44,7.44
20	1222	1231	1229	1235	1225	1212	1198	1209	15- 20	204.0	478.7	13,13
25	1169	1175	1180	1179	1173	1152	1142	1148	20- 25	249.4	728.1	19.7,19.7
30	1107	1112	1132	1116	1110	1084	1086	1080	25- 30	286.5	1015	27.5,27.5
35	1035	1046	1055	1049	1039	1013	1005	1010	30- 35	314.2	1329	36,36
40	954.4	974.6	978.9	977.9	959.2	937.8	923.4	935.0	35- 40	330.6	1659	44.9,44.9
45	867.7	883.7	902.4	887.9	872.8	845.0	841.9	841.3	40- 45	336.5	1996	54,54
50	774.8	793.2	807.2	798.2	780.6	752.2	744.1	748.1	45- 50	331.7	2328	63,63
55	675.5	702.7	712.1	708.4	681.4	660.1	646.4	655.0	50- 55	315.7	2643	71.5,71.5
60	572.2	599.0	616.9	603.4	578.3	554.4	548.7	550.7	55- 60	289.9	2933	79.4,79.4
65	466.9	497.3	511.5	500.1	472.9	450.2	441.1	448.2	60- 65	255.3	3188	86.3,86.3
70	362.1	394.6	406.1	395.6	366.5	345.5	333.6	344.9	65- 70	212.7	3401	92,92
75	260.5	290.1	300.6	289.8	262.3	240.0	226.1	240.3	70- 75	164.4	3565	96.5,96.5
80	164.4	162.4	0	161.1	162.9	121.2	0	122.3	75- 80	100.1	3666	99.2,99.2
85	61.48	0	0	0	50.60	0	0	0	80- 85	27.37	3693	99.9,99.9
90	11.51	0	0	0	13.66	0	0	0	85- 90	2.513	3695	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

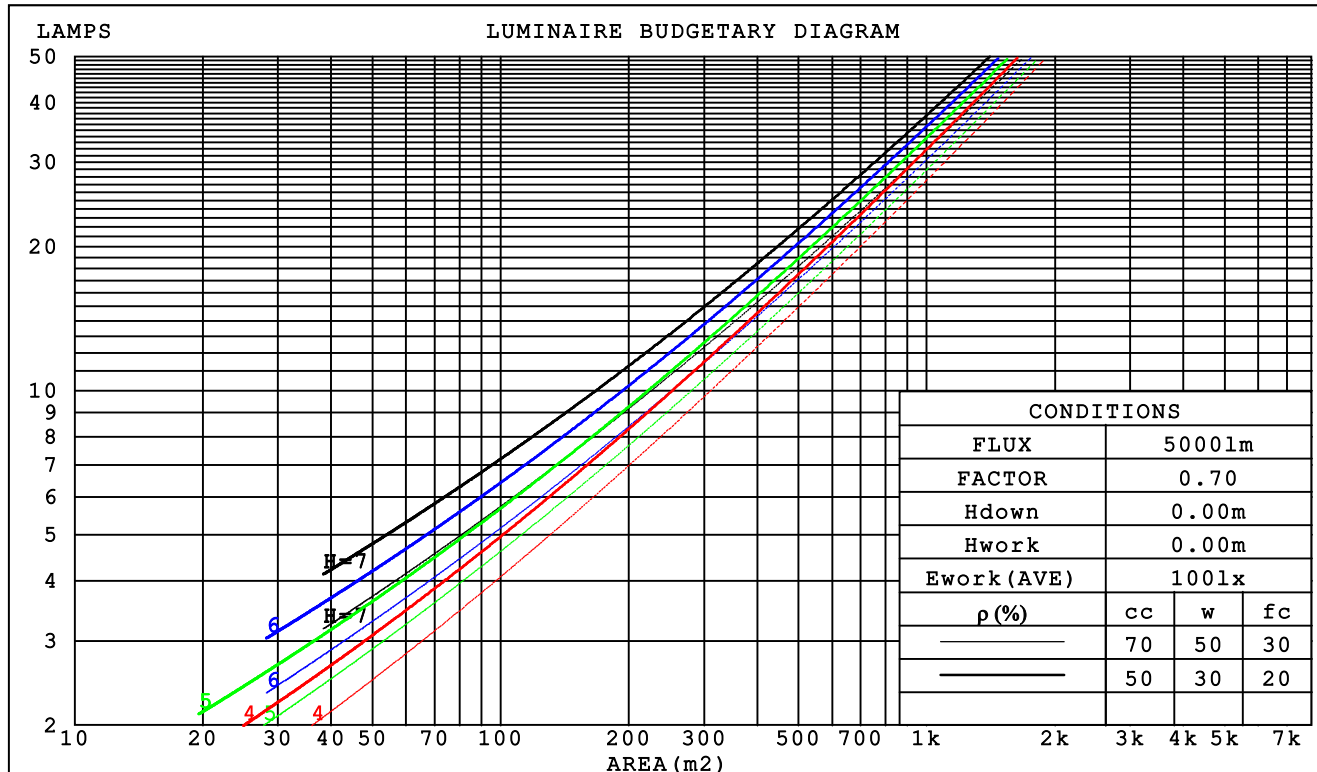
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KADDY
Test Date:2012-01-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.830m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.1V I:0.2490A P:52.20W PF:0.9500 Lamp Flux:3695.42x1 lm		
NAME: LED-S0606S2-056W-CW	TYPE:Natural Color	WEIGHT:
DIM.: 600*600	SPEC.:56W	SERIAL No.:
MFR.: LED Lighting	SUR.:0.556*0.556	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	1.19	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	1.04	1.00	.96	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.83	.77	.85	.80	.76	.82	.78	.74	.79	.76	.72	.70
3.0	.80	.72	.65	.78	.71	.64	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.60	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.47	.58	.51	.46	.56	.50	.46	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.45	.40	.51	.45	.40	.38
7.0	.51	.43	.36	.51	.42	.36	.49	.41	.36	.48	.41	.36	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.26	.39	.32	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KADDY
Test Date:2012-01-11

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.830m [K=1.0000]
Remarks:



WEC AND CCEC

Test:U:220.1V I:0.2490A P:52.20W PF:0.9500 Lamp Flux:3695.42x1 lm		
NAME: LED-S0606S2-056W-CW	TYPE:Natural Color	WEIGHT:
DIM.: 600*600	SPEC.:56W	SERIAL No.:
MFR.: LED Lighting	SUR.:0.556*0.556	PROTECTION 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						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.300	.171	.054	.293	.167	.053	.280	.161	.051	.268	.154	.050	.257	.149	.048		
2.0	.287	.158	.048	.281	.155	.048	.270	.150	.047	.259	.145	.045	.249	.141	.044		
3.0	.268	.142	.043	.262	.140	.042	.252	.136	.041	.242	.133	.041	.233	.129	.040		
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.225	.121	.036	.217	.118	.036		
5.0	.229	.117	.034	.225	.116	.034	.217	.113	.033	.209	.110	.033	.202	.108	.032		
6.0	.213	.107	.031	.209	.106	.030	.202	.103	.030	.195	.101	.030	.189	.099	.030		
7.0	.198	.098	.028	.195	.097	.028	.188	.095	.027	.182	.094	.027	.177	.092	.027		
8.0	.185	.091	.025	.182	.090	.025	.176	.088	.025	.171	.087	.025	.166	.085	.025		
9.0	.174	.084	.023	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023		
10.0	.163	.078	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.148	.074	.021		

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.135	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.099	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.164	.114	.075	.141	.099	.065	.097	.068	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.059	.134	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.149	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.129	.069	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:KADDY
 Test Date:2012-01-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.830m [K=1.0000]
 Remarks:



Uncorrected UGR Table

Test:U:220.1V I:0.2490A P:52.20W PF:0.9500 Lamp Flux:3695.42x1 lm										
NAME: LED-S0606S2-056W-CW					TYPE:Natural Color			WEIGHT:		
DIM.: 600*600					SPEC.:56W			SERIAL No.:		
MFR.: LED Lighting					SUR.:0.556*0.556			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	19.1	17.9	19.3	19.6	17.9	19.4	18.2	19.7	19.9
3H	19.2	20.6	19.5	20.8	21.1	19.6	21.0	19.9	21.3	21.5
4H	19.8	21.1	20.1	21.4	21.6	20.3	21.7	20.7	21.9	22.2
6H	20.2	21.5	20.6	21.8	22.0	20.4	21.7	20.8	22.0	22.2
8H	20.3	21.5	20.7	21.8	22.1	20.4	21.6	20.7	21.9	22.2
12H	20.4	21.6	20.7	21.8	22.2	20.3	21.5	20.7	21.8	22.1
4H 2H	18.3	19.7	18.6	19.9	20.2	18.6	19.9	18.9	20.1	20.4
3H	20.1	21.2	20.4	21.5	21.8	20.5	21.6	20.8	21.9	22.2
4H	20.8	21.9	21.2	22.2	22.6	21.3	22.4	21.7	22.7	23.0
6H	21.4	22.3	21.8	22.7	23.0	21.5	22.4	21.9	22.7	23.1
8H	21.5	22.4	21.9	22.8	23.1	21.4	22.3	21.8	22.6	23.0
12H	21.6	22.4	22.0	22.8	23.2	21.4	22.2	21.8	22.6	23.0
8H 4H	21.2	22.1	21.6	22.4	22.8	21.6	22.5	22.0	22.9	23.2
6H	21.9	22.6	22.4	23.1	23.5	21.8	22.5	22.3	22.9	23.4
8H	22.2	22.8	22.6	23.2	23.7	21.8	22.4	22.2	22.8	23.3
12H	22.3	22.9	22.8	23.3	23.8	21.7	22.3	22.2	22.7	23.2
12H 4H	21.2	22.0	21.6	22.4	22.8	21.6	22.4	22.1	22.8	23.2
6H	21.9	22.6	22.4	23.0	23.4	21.8	22.5	22.3	22.9	23.4
8H	22.2	22.7	22.7	23.2	23.7	21.8	22.4	22.3	22.8	23.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.1 / - 0.2				
2.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 3695 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.5)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:KADDY
 Test Date:2012-01-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.830m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.1V I:0.2490A P:52.20W PF:0.9500 Lamp Flux:3695.42x1 lm		
NAME: LED-S0606S2-056W-CW	TYPE:Natural Color	WEIGHT:
DIM.: 600*600	SPEC.:56W	SERIAL No.:
MFR.: LED Lighting	SUR.:0.556*0.556	PROTECTION ANGLE:

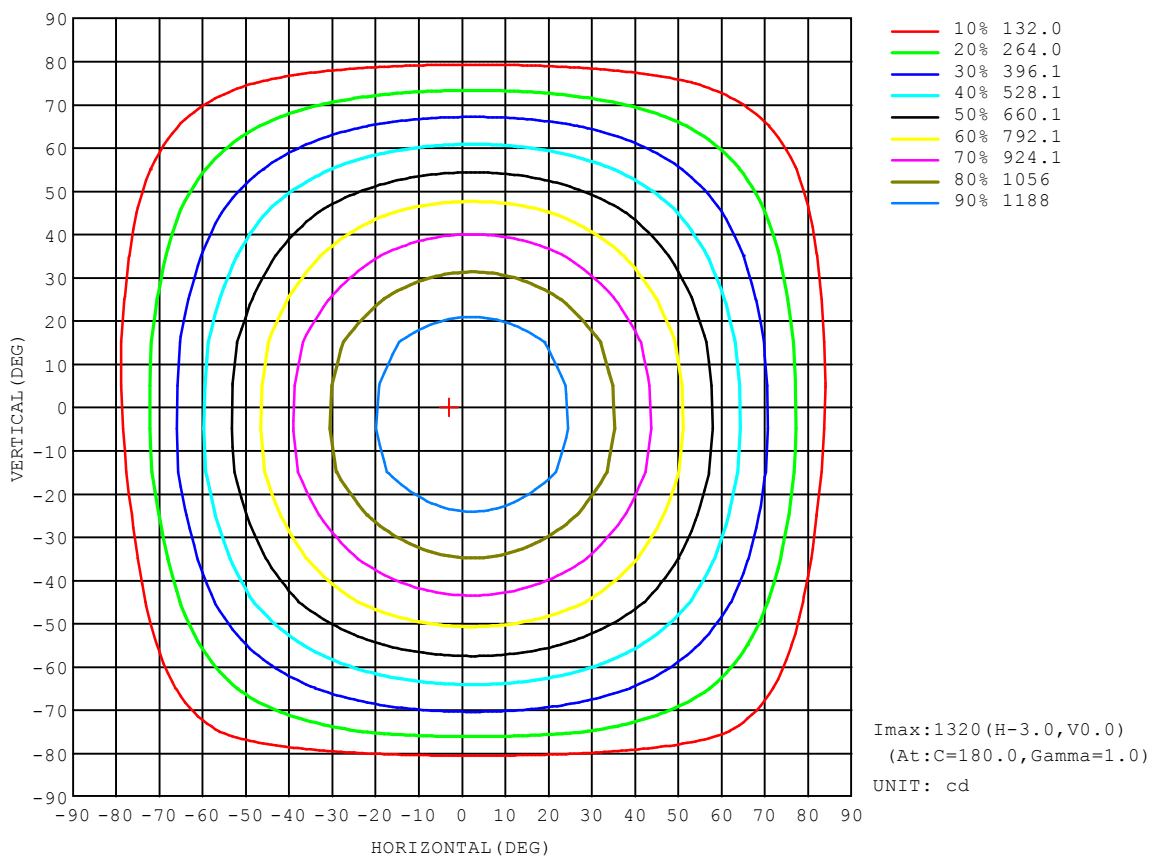
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	49	65	55	48	41
1.00	76	65	58	75	65	58	73	66	57	50
1.25	83	73	66	82	72	65	79	71	65	57
1.50	88	79	72	87	78	71	84	76	70	63
2.00	95	87	80	93	86	80	90	83	78	70
2.50	99	92	86	97	90	85	93	88	83	75
3.00	103	96	90	100	94	89	96	91	87	79
4.00	107	101	97	104	99	95	100	96	93	84
5.00	109	104	100	107	102	99	102	99	96	87
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: HIGH
Temperature:25.3DEG
Operators:KADDY
Test Date:2012-01-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.830m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.1V I:0.2490A P:52.20W PF:0.9500 Lamp Flux:3695.42x1 lm		
NAME: LED-S0606S2-056W-CW	TYPE:Natural Color	WEIGHT:
DIM.: 600*600	SPEC.:56W	SERIAL No.:
MFR.: LED Lighting	SUR.:0.556*0.556	PROTECTION ANGLE:

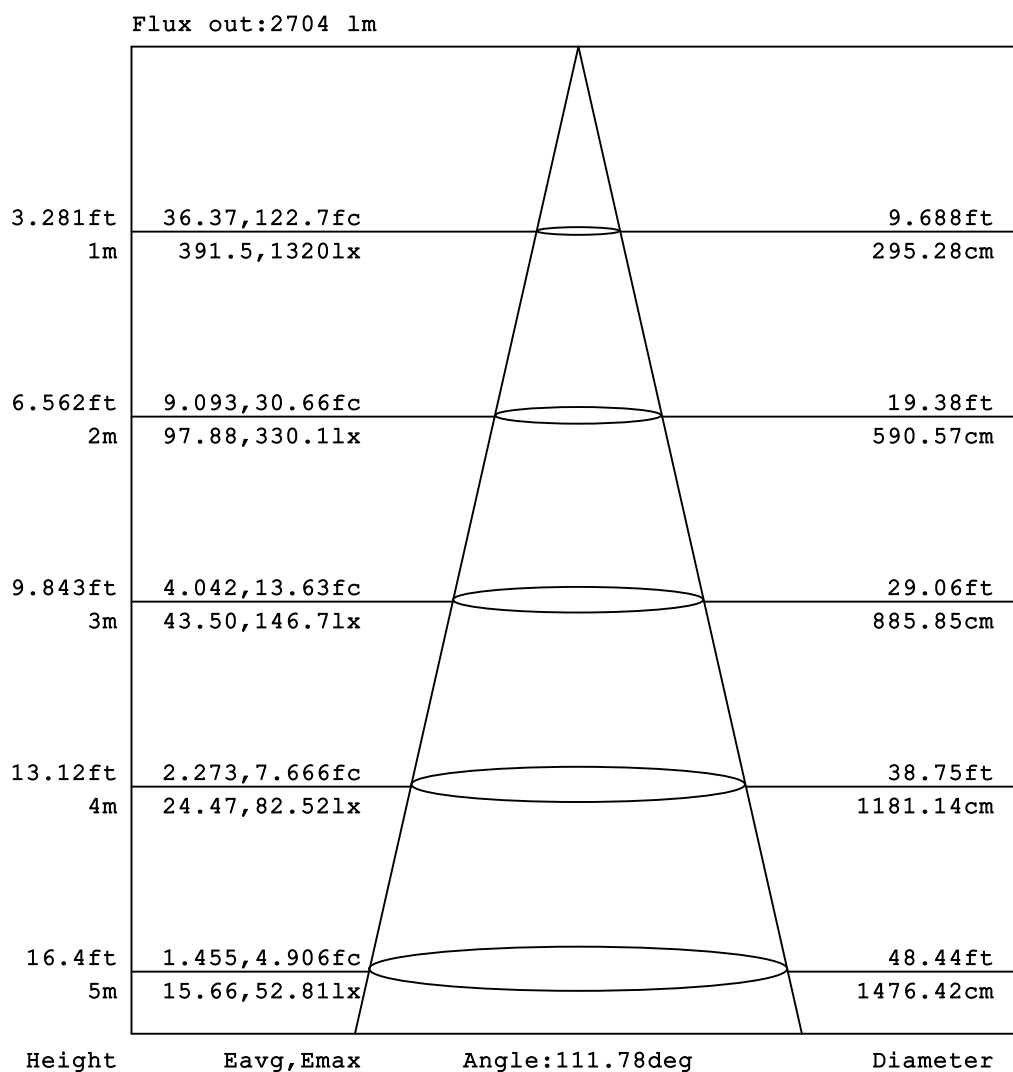


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:KADDY
 Test Date:2012-01-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.830m [K=1.0000]
 Remarks:

AAI Figure

Test:U:220.1V I:0.2490A P:52.20W PF:0.9500 Lamp Flux:3695.42x1 lm		
NAME: LED-S0606S2-056W-CW	TYPE:Natural Color	WEIGHT:
DIM.: 600*600	SPEC.:56W	SERIAL No.:
MFR.: LED Lighting	SUR.:0.556*0.556	PROTECTION ANGLE:



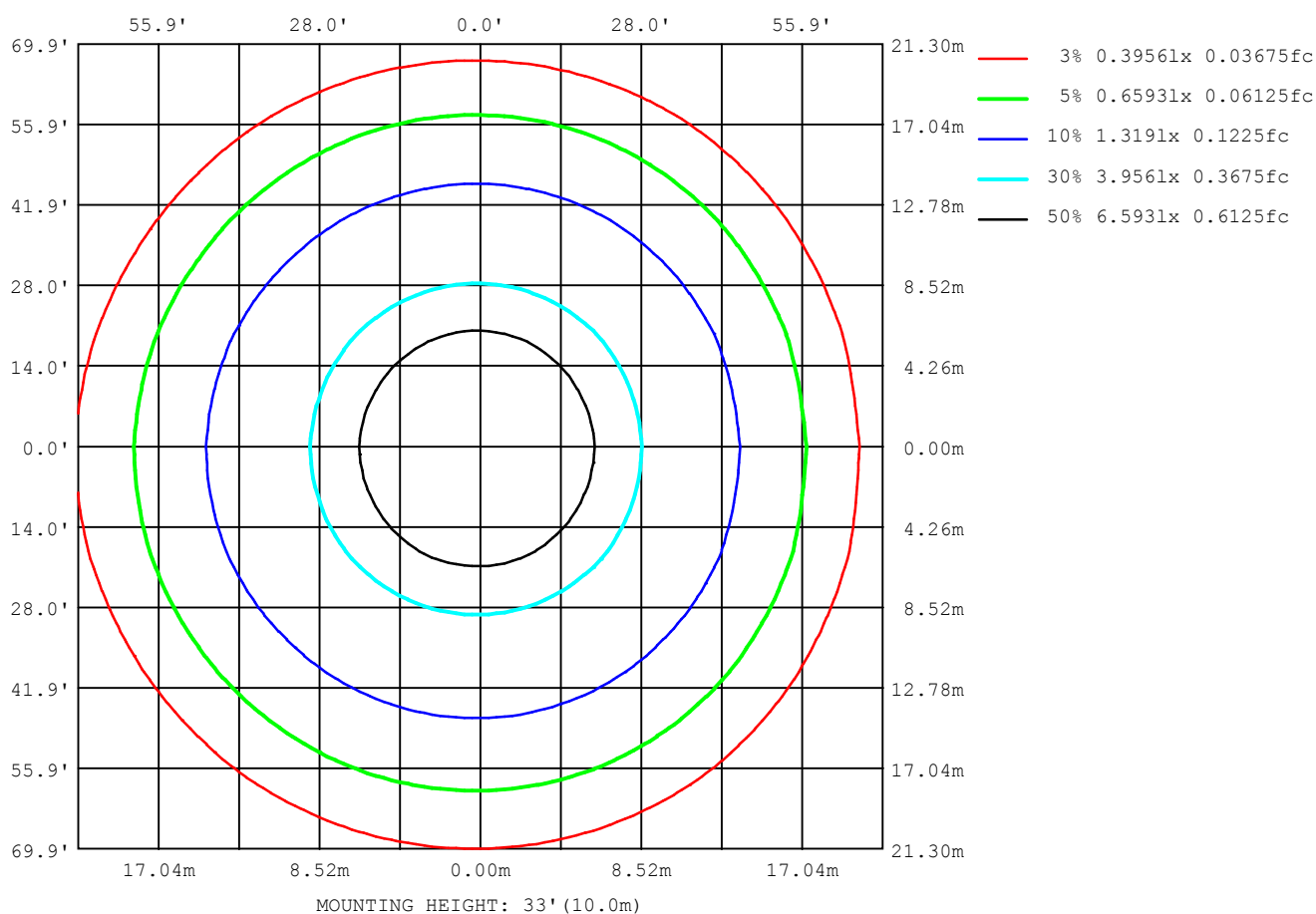
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KADDY
Test Date:2012-01-11

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.830m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

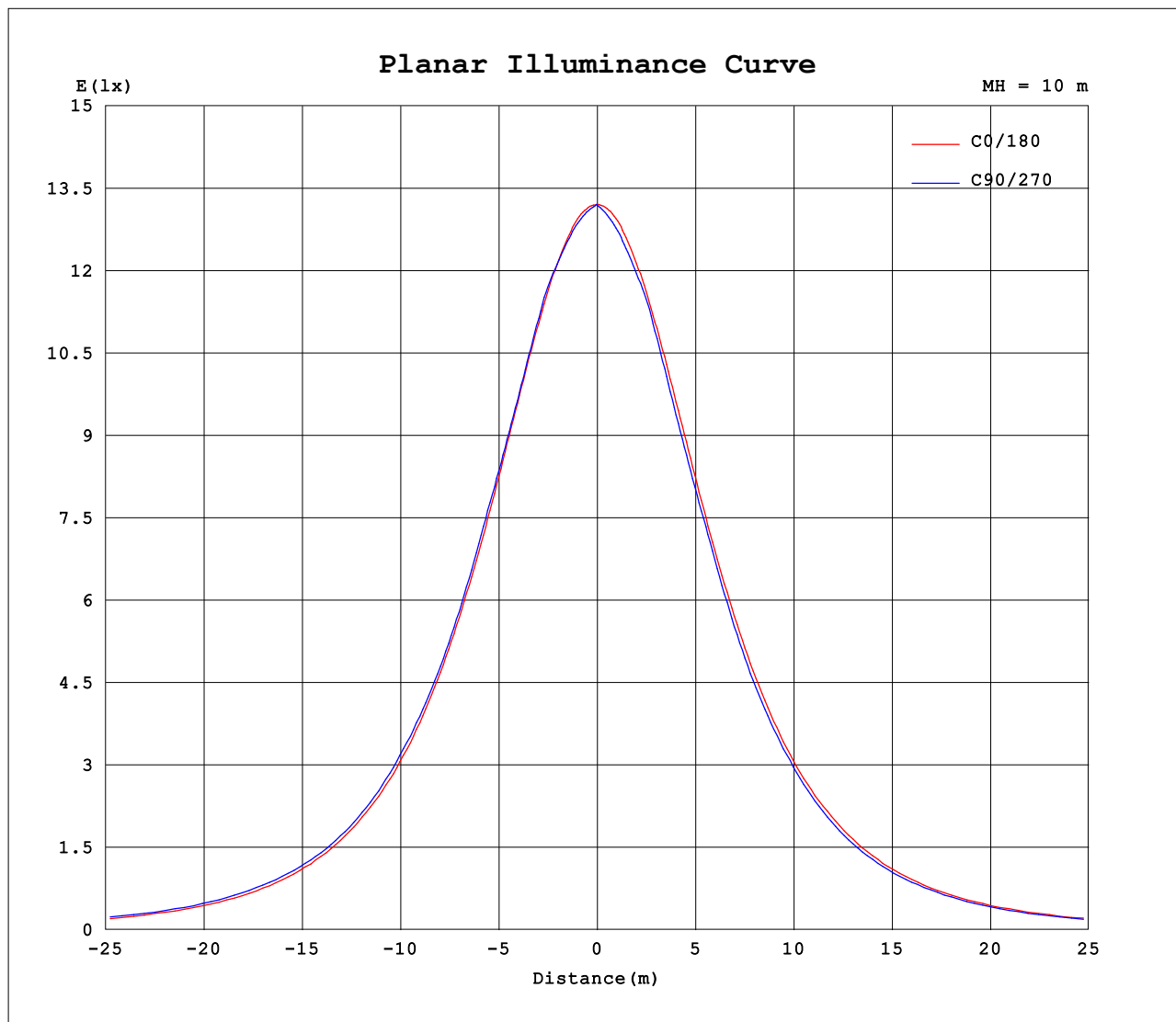
Test:U:220.1V I:0.2490A P:52.20W PF:0.9500 Lamp Flux:3695.42x1 lm		
NAME: LED-S0606S2-056W-CW	TYPE:Natural Color	WEIGHT:
DIM.: 600*600	SPEC.:56W	SERIAL No.:
MFR.: LED Lighting	SUR.:0.556*0.556	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KADDY
Test Date:2012-01-11

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.830m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: KADDY
 Test Date: 2012-01-11

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 8.830m [K=1.0000]
 Remarks:

