

# Photometric Report

CATALOG NUMBER: FS4-6F54-A-W

Monday, December 22, 2008

FILENAME: FS4-6F54-A-W.IES

IESNA:LM-63-2002  
 [TEST]BALLABS TEST NO. 14142.0  
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC  
 [ISSUEDATE] 04-JUN-2008  
 [MANUFAC] GUTH LIGHTING-ST. LOUIS, MO  
 [LUMINAIRE] 6/54W T5HO C LAMP 51.5x14.5x6"ENCLOSED & GASKETED LUMINAIRE  
 [MORE] WHITE REFLECTOR w/CLEAR ACRYLIC DROP LENS REFL=86%  
 [MORE] UNIVERSAL BALLAST #B454IUNV-E & B254IUNV-E WATTS=329  
 [LUMCAT] FS4-6F54-A-W  
 [LAMP CAT] FP54T5HO/835/C

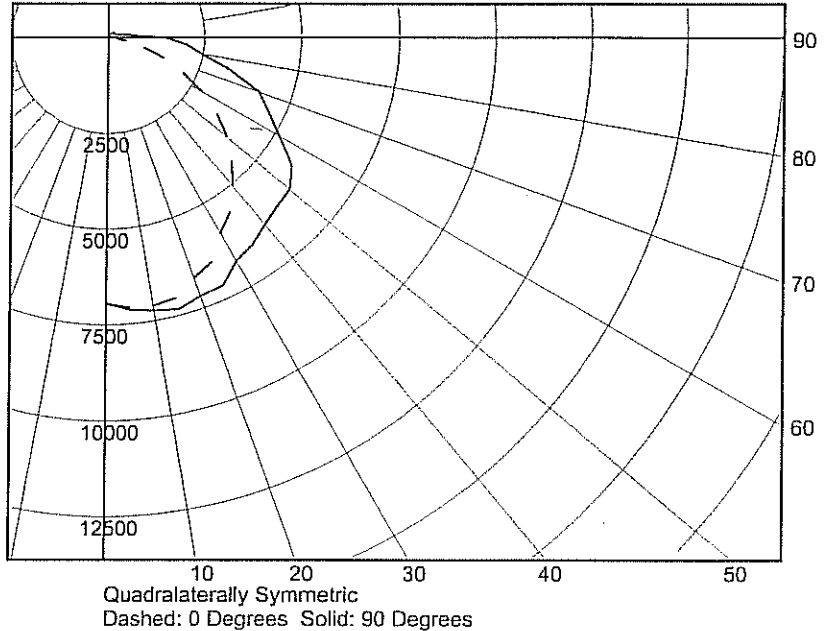
**SUMMARY DATA**

EFFICIENCY (Total): 91.3 %  
 EFFICIENCY (Downlight): 87.2 %  
 EFFICIENCY (Uplight): 4.1 %  
 CIE CLASSIFICATION: DIRECT  
 SPACING CRITERION (0-Deg.): 1.26  
 SPACING CRITERION (90-Deg.): 1.45  
 LUMENS/LAMP: 4900  
 NO. OF LAMPS: 6  
 LUMINOUS OPENING: RECTANGULAR  
     Width: 1.13 (Feet)  
     Length: 4.23  
     Height: 0.25  
 INPUT WATTS: 329

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Lamp	% Luminaire
0 - 30	5808.4	19.8	21.6
0 - 40	9639.6	32.8	35.9
0 - 60	18106.8	61.6	67.4
60 - 90	7544.2	25.7	28.1
0 - 90	25651.0	87.2	95.5
90 - 180	1195.2	4.1	4.5
0 - 180	26846.2	91.3	100.0

**CANDELA PLOT**



**AVERAGE LUMINANCE**

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	15726	15726	15726	15726	15726
45	13743	14259	14328	15433	16296
55	12549	13171	15085	16831	17453
65	10272	11601	14612	15796	16620
75	6839	9700	13104	14813	15635
85	3145	6829	11132	13529	14864

**COEFFICIENT OF UTILIZATION TABLE**

Effective Floor Cavity Reflectance = 20%

Pcc ...	80				70				50			30			10			0
Pw ...	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	1.08	1.08	1.08	1.08	1.05	1.05	1.05	1.05	.99	.99	.99	.94	.94	.94	.89	.89	.89	.87
1	.96	.91	.87	.83	.93	.89	.85	.81	.84	.81	.77	.80	.77	.74	.76	.73	.71	.69
2	.87	.78	.71	.65	.84	.76	.70	.64	.72	.67	.62	.69	.64	.60	.65	.61	.58	.56
3	.79	.68	.60	.53	.76	.66	.59	.53	.63	.56	.51	.60	.54	.50	.57	.52	.48	.46
4	.72	.60	.51	.45	.69	.58	.50	.44	.55	.48	.43	.53	.47	.42	.50	.45	.41	.39
5	.66	.53	.44	.38	.63	.52	.44	.38	.49	.42	.37	.47	.41	.36	.45	.39	.35	.33
6	.60	.48	.39	.33	.58	.46	.38	.32	.44	.37	.32	.42	.36	.31	.41	.35	.31	.29
7	.56	.43	.35	.29	.54	.42	.34	.28	.40	.33	.28	.38	.32	.27	.37	.31	.27	.25
8	.52	.39	.31	.25	.50	.38	.31	.25	.37	.30	.25	.35	.29	.24	.34	.28	.24	.22
9	.48	.36	.28	.23	.47	.35	.28	.23	.34	.27	.22	.32	.26	.22	.31	.26	.22	.20
10	.45	.33	.25	.20	.44	.32	.25	.20	.31	.25	.20	.30	.24	.20	.29	.23	.19	.18

Reported data calculated from manufacturer's data file, based on IESNA recommended methods.