

Photometric Report

CATALOG NUMBER: FS4-6F54-A-N

Monday, December 22, 2008

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

IESNA:LM-63-2002
 [TEST]BALLABS TEST NO. 14141.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUE DATE] 04-JUN-2008
 [MANUFAC] GUTH LIGHTING-ST. LOUIS, MO
 [LUMINAIRE] 6/54W T5HO C LAMP 51.5x14.5x6"ENCLOSED & GASKETED LUMINAIRE
 [MORE] SPECULAR REFLECTOR w/CLEAR ACRYLIC DROP LENS
 [MORE] UNIVERSAL BALLAST #B454IUNV-E & B254IUNV-E WATTS=326
 [LUMCAT] FS4-6F54-A-N
 [LAMP CAT] FP54T5HO/835/C

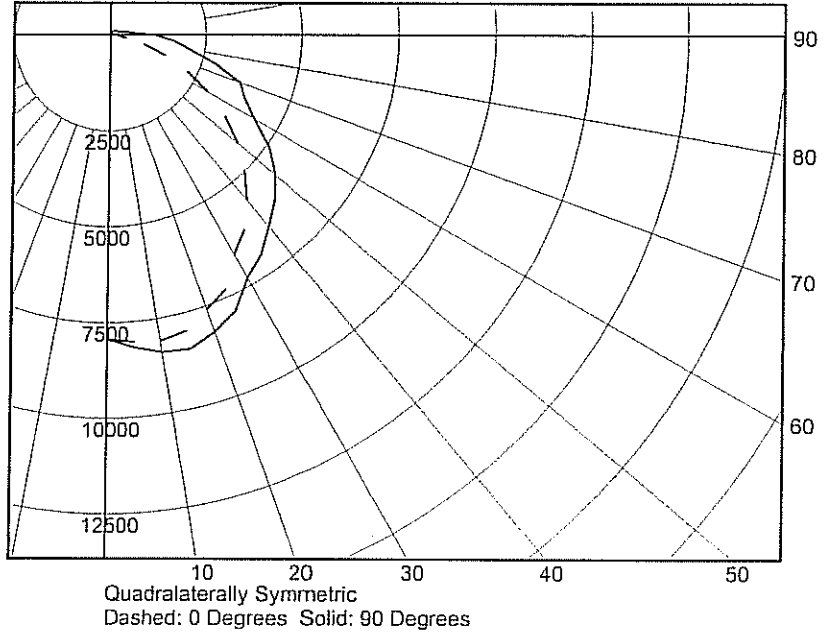
SUMMARY DATA

EFFICIENCY (Total): 91.3 %
 EFFICIENCY (Downlight): 87.5 %
 EFFICIENCY (Uplight): 3.8 %
 CIE CLASSIFICATION: DIRECT
 SPACING CRITERION (0-Deg.): 1.24
 SPACING CRITERION (90-Deg.): 1.36
 LUMENS/LAMP: 4900
 NO. OF LAMPS: 6
 LUMINOUS OPENING: RECTANGULAR
 Width: 1.13 (Feet)
 Length: 4.23
 Height: 0.25
 INPUT WATTS: 326

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	6617.9	22.5	24.7
0 - 40	10789.9	36.7	40.2
0 - 60	19152.1	65.1	71.3
60 - 90	6567.5	22.3	24.5
0 - 90	25719.5	87.5	95.8
90 - 180	1127.5	3.8	4.2
0 - 180	26847.0	91.3	100.0

CANDELA PLOT



AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	17930	17930	17930	17930	17930
45	15051	15377	15059	14962	15966
55	13400	13371	14231	14852	15220
65	10595	10863	12530	13315	14049
75	6574	8459	11468	12777	13571
85	2850	5729	9134	11175	12195

COEFFICIENT OF UTILIZATION TABLE

Effective Floor Cavity Reflectance = 20%

Pcc ...	80				70				50			30			10			0
	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	.90	.90	.90	.87
1	.97	.92	.88	.84	.94	.90	.86	.82	.85	.82	.79	.81	.78	.76	.77	.75	.73	.71
2	.88	.80	.73	.68	.85	.78	.72	.67	.74	.69	.64	.70	.66	.62	.67	.64	.60	.58
3	.80	.70	.62	.56	.77	.68	.61	.55	.65	.59	.54	.62	.57	.52	.59	.55	.51	.49
4	.73	.62	.53	.47	.71	.60	.53	.47	.58	.51	.46	.55	.49	.44	.52	.48	.43	.41
5	.67	.55	.47	.40	.65	.54	.46	.40	.51	.45	.39	.49	.43	.38	.47	.42	.38	.36
6	.62	.50	.41	.35	.60	.48	.41	.35	.46	.39	.34	.44	.38	.34	.43	.37	.33	.31
7	.57	.45	.37	.31	.56	.44	.36	.31	.42	.35	.30	.41	.34	.30	.39	.33	.29	.27
8	.53	.41	.33	.28	.52	.40	.33	.27	.39	.32	.27	.37	.31	.27	.36	.30	.26	.24
9	.50	.38	.30	.25	.48	.37	.30	.25	.35	.29	.24	.34	.28	.24	.33	.28	.24	.22
10	.47	.35	.27	.22	.45	.34	.27	.22	.33	.26	.22	.32	.26	.22	.31	.25	.21	.20

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