

Photometric Report

CATALOG NUMBER: FS4-4F54-A-W

Monday, December 22, 2008

FILENAME: FS4-4F54-A-W.IES

IESNA:LM-63-2002
 [TEST]BALLABS TEST NO. 14140.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUE DATE] 03-JUN-2008
 [MANUFAC] GUTH LIGHTING-ST. LOUIS, MO
 [LUMINAIRE] 4/54W T5HO C LAMP 51.5x14.5x6"ENCLOSED & GASKETED LUMINAIRE
 [MORE] WHITE REFLECTOR w/CLEAR ACRYLIC DROP LENS
 [MORE] UNIVERSAL BALLAST #B454IUNV-E WATTS=226 REFL=86%
 [LUMCAT] FS4-4F54-A-W
 [LAMP CAT] FP54T5HO/835/C

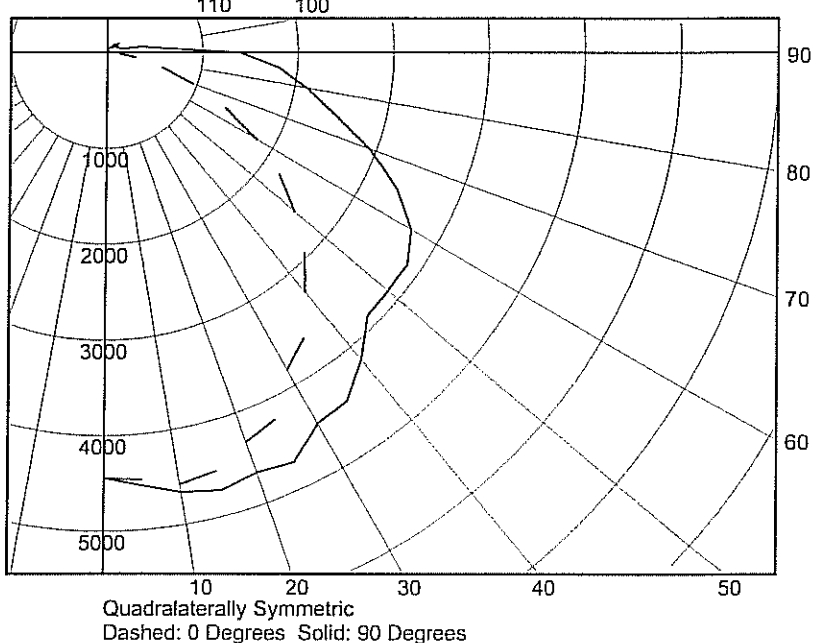
SUMMARY DATA

EFFICIENCY (Total): 92.7 %
 EFFICIENCY (Downlight): 88.5 %
 EFFICIENCY (Uplight): 4.3 %
 CIE CLASSIFICATION: DIRECT
 SPACING CRITERION (0-Deg.): 1.28
 SPACING CRITERION (90-Deg.): 1.50
 LUMENS/LAMP: 4900
 NO. OF LAMPS: 4
 LUMINOUS OPENING: RECTANGULAR
 Width: 1.13 (Feet)
 Length: 4.23
 Height: 0.25
 INPUT WATTS: 226

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	3774.8	19.3	20.8
0 - 40	6303.2	32.2	34.7
0 - 60	11816.6	60.3	65.0
60 - 90	5522.1	28.2	30.4
0 - 90	17338.7	88.5	95.4
90 - 180	838.8	4.3	4.6
0 - 180	18177.5	92.7	100.0

CANDELA PLOT



AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	10057	10057	10057	10057	10057
45	8912	9234	9781	10134	10149
55	8020	8665	9452	10868	11534
65	6504	7531	9955	11607	12186
75	4254	6545	9452	11100	11779
85	1967	5449	9602	12075	13236

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	1.09	1.09	1.09	1.09	1.06	1.06	1.06	1.06	1.01	1.01	1.01	.95	.95	.95	.91	.91	.91	.88
1	.97	.92	.87	.82	.94	.89	.85	.81	.84	.81	.77	.80	.77	.74	.76	.73	.71	.69
2	.87	.79	.71	.65	.84	.76	.70	.64	.72	.67	.62	.69	.64	.60	.65	.61	.58	.55
3	.79	.68	.60	.53	.76	.66	.58	.52	.63	.56	.51	.60	.54	.49	.57	.52	.48	.45
4	.72	.60	.51	.44	.69	.58	.50	.43	.55	.48	.42	.53	.46	.41	.50	.45	.40	.38
5	.66	.53	.44	.37	.64	.52	.43	.37	.49	.42	.36	.47	.40	.35	.45	.39	.35	.32
6	.61	.48	.39	.32	.59	.46	.38	.32	.44	.37	.31	.42	.36	.31	.40	.35	.30	.28
7	.56	.43	.34	.28	.54	.42	.34	.28	.40	.33	.27	.38	.32	.27	.37	.31	.26	.24
8	.52	.39	.31	.25	.50	.38	.30	.25	.37	.29	.24	.35	.29	.24	.34	.28	.24	.22
9	.49	.36	.28	.22	.47	.35	.27	.22	.34	.27	.22	.32	.26	.21	.31	.25	.21	.19
10	.46	.33	.25	.20	.44	.32	.25	.20	.31	.24	.20	.30	.24	.19	.29	.23	.19	.17

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