

Photometric Report

CATALOG NUMBER: FS4-4F32-A-W

Monday, December 22, 2008

FILENAME: FS4-4F32-A-W.IES

IESNA:LM-63-2002
 [TEST]BALLABS TEST NO. 14136.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUE DATE] 02-JUN-2008
 [MANUFAC] GUTH LIGHTING-ST. LOUIS, MO
 [LUMINAIRE] 4/32W T8 LAMP 51.5x14.5x6"ENCLOSED & GASKETED LUMINAIRE
 [MORE] WHITE REFLECTOR w/CLEAR ACRYLIC LENS
 [MORE] ADVANCE BALLAST #ICN-4P32-SC WATTS=100 REFL=86%
 [LUMCAT] FS4-4F32-A-W
 [LAMP CAT] F32WT8/835/RS

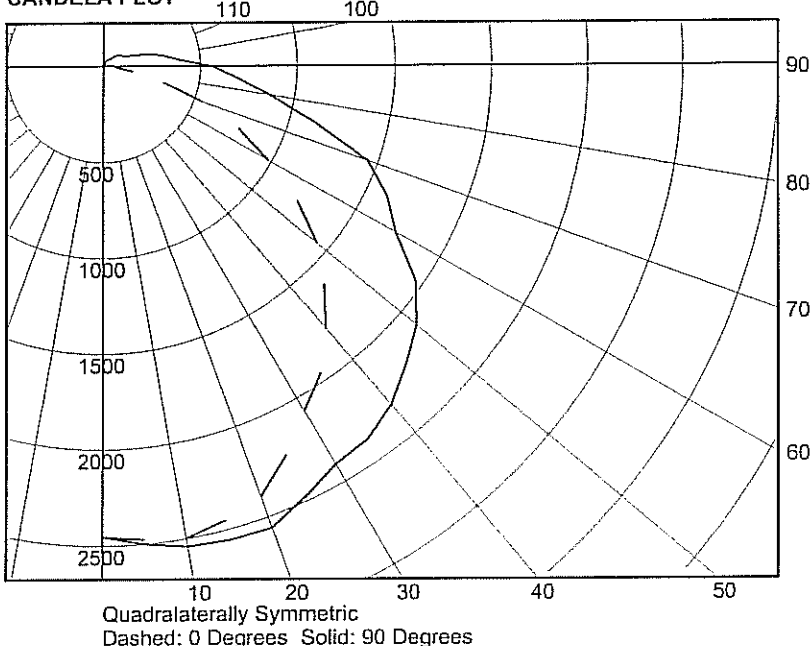
SUMMARY DATA

EFFICIENCY (Total): 81.1 %
 EFFICIENCY (Downlight): 76.0 %
 EFFICIENCY (Uplight): 5.1 %
 CIE CLASSIFICATION: DIRECT
 SPACING CRITERION (0-Deg.): 1.26
 SPACING CRITERION (90-Deg.): 1.48
 LUMENS/LAMP: 2950
 NO. OF LAMPS: 4
 LUMINOUS OPENING: RECTANGULAR
 Width: 1.13 (Feet)
 Length: 4.23
 Height: 0.25
 INPUT WATTS: 100

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	2039.6	17.3	21.3
0 - 40	3402.4	28.8	35.6
0 - 60	6372.5	54.0	66.6
60 - 90	2593.8	22.0	27.1
0 - 90	8966.2	76.0	93.7
90 - 180	600.0	5.1	6.3
0 - 180	9566.3	81.1	100.0

CANDELA PLOT



AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	5550	5550	5550	5550	5550
45	4861	4919	5292	5516	5762
55	4452	4713	5243	5651	5875
65	3654	4181	4848	5530	5844
75	2313	3143	4500	5068	5361
85	1022	2340	3814	4601	5067

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	.95	.95	.95	.95	.92	.92	.92	.92	.87	.87	.87	.82	.82	.82	.78	.78	.78	.76
1	.85	.81	.77	.73	.83	.79	.75	.71	.74	.71	.68	.70	.68	.65	.66	.64	.62	.60
2	.77	.70	.63	.58	.74	.68	.62	.57	.64	.59	.55	.60	.56	.53	.57	.54	.51	.49
3	.70	.60	.53	.48	.67	.59	.52	.47	.56	.50	.45	.53	.48	.44	.50	.46	.42	.40
4	.64	.53	.46	.40	.61	.52	.45	.39	.49	.43	.38	.46	.41	.37	.44	.40	.36	.34
5	.58	.47	.39	.34	.56	.46	.39	.33	.44	.37	.33	.41	.36	.32	.39	.35	.31	.29
6	.54	.42	.35	.29	.52	.41	.34	.29	.39	.33	.28	.37	.32	.28	.36	.31	.27	.25
7	.50	.38	.31	.26	.48	.37	.30	.25	.36	.29	.25	.34	.28	.24	.32	.27	.24	.22
8	.46	.35	.28	.23	.44	.34	.27	.22	.32	.26	.22	.31	.26	.22	.30	.25	.21	.19
9	.43	.32	.25	.20	.42	.31	.25	.20	.30	.24	.20	.28	.23	.19	.27	.22	.19	.17
10	.40	.29	.23	.18	.39	.29	.22	.18	.27	.22	.18	.26	.21	.17	.25	.21	.17	.16

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