

Photometric Report

CATALOG NUMBER: FS4-4F32-A-N

Monday, December 22, 2008

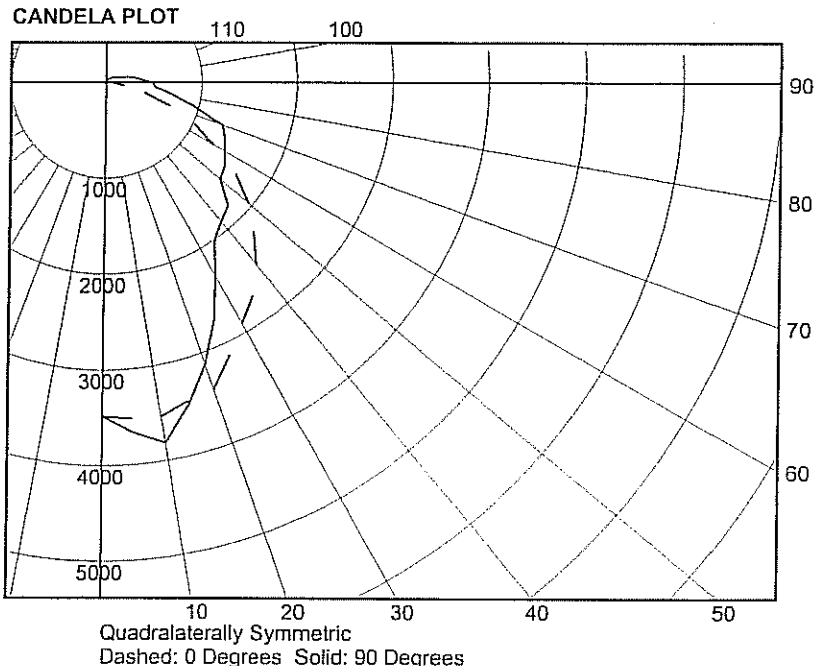
FILENAME: FS4-4F32-A-N.IES

IESNA:LM-63-2002
 [TEST]BALLABS TEST NO. 14135.0
 [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] SPECULAR REFLECTOR w/CLEAR ACRYLIC LENS
 [MORE] ADVANCE BALLAST #CN-4P32-SC WATTS=100 REFL=86%
 [LUMCAT] FS4-4F32-A-N
 [LAMP CAT] P32WT8/835/RS

SUMMARY DATA

EFFICIENCY (Total): 82.0 %
 EFFICIENCY (Downlight): 77.3 %
 EFFICIENCY (Uplight): 4.6 %
 CIE CLASSIFICATION: DIRECT
 SPACING CRITERION (0-Deg.): 1.24
 SPACING CRITERION (90-Deg.): 1.05
 LUMENS/LAMP: 2950
 NO. OF LAMPS: 4
 LUMINOUS OPENING: RECTANGULAR
 Width: 1.13 (Feet)
 Length: 4.23
 Height: 0.25
 INPUT WATTS: 100

CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	2741.3	23.2	28.3
0 - 40	4212.0	35.7	43.5
0 - 60	6925.1	58.7	71.6
60 - 90	2201.3	18.7	22.8
0 - 90	9126.3	77.3	94.3
90 - 180	548.7	4.6	5.7
0 - 180	9675.0	82.0	100.0

AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	7880	7880	7880	7880	7880
45	6646	5800	4497	4708	4762
55	6045	4354	4141	4252	4560
65	4822	3353	3880	4603	4967
75	2951	2563	3938	4298	4497
85	1208	1960	2823	3463	3776

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	.97	.97	.97	.97	.94	.94	.94	.94	.89	.89	.89	.84	.84	.84	.79	.79	.79	.77
1	.87	.83	.79	.76	.85	.81	.77	.74	.77	.74	.71	.73	.70	.68	.69	.67	.65	.63
2	.79	.72	.67	.62	.77	.71	.65	.61	.67	.62	.59	.63	.60	.57	.60	.57	.55	.53
3	.73	.64	.57	.52	.70	.62	.56	.51	.59	.54	.49	.56	.52	.48	.53	.50	.47	.45
4	.67	.57	.49	.44	.64	.55	.49	.43	.53	.47	.42	.50	.45	.41	.48	.44	.40	.38
5	.61	.51	.44	.38	.59	.50	.43	.38	.47	.41	.37	.45	.40	.36	.43	.39	.35	.33
6	.57	.46	.39	.33	.55	.45	.38	.33	.43	.37	.33	.41	.36	.32	.39	.35	.31	.29
7	.53	.42	.35	.30	.51	.41	.34	.30	.39	.33	.29	.38	.32	.28	.36	.32	.28	.26
8	.49	.38	.31	.27	.48	.38	.31	.27	.36	.30	.26	.35	.29	.26	.33	.29	.25	.24
9	.46	.35	.29	.24	.45	.35	.28	.24	.33	.28	.24	.32	.27	.23	.31	.26	.23	.21
10	.43	.33	.26	.22	.42	.32	.26	.22	.31	.25	.22	.30	.25	.21	.29	.24	.21	.20

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