

# Photometric Report

CATALOG NUMBER: FS4-6F32-A-W

Monday, December 22, 2001

FILENAME: FS4-6F32-A-W.IES

IESNA:LM-63-2002  
 [TEST]BALLABS TEST NO. 14138.0  
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC  
 [ISSUE DATE] 03-JUN-2008  
 [MANUFAC] GUTH LIGHTING-ST. LOUIS, MO  
 [LUMINAIRE] 6/32W T8 LAMP 51.5x14.5x6"ENCLOSED & GASKETED LUMINAIRE  
 [MORE] WHITE REFLECTOR w/CLEAR ACRYLIC DROP LENS REFL=86%  
 [MORE] ADVANCE BALLAST #ICN-4P32-SC & ICN-2P32-SC WATTS=143  
 [LUMCAT] FS4-6F32-A-W  
 [LAMP CAT] F32WT9/835/RS

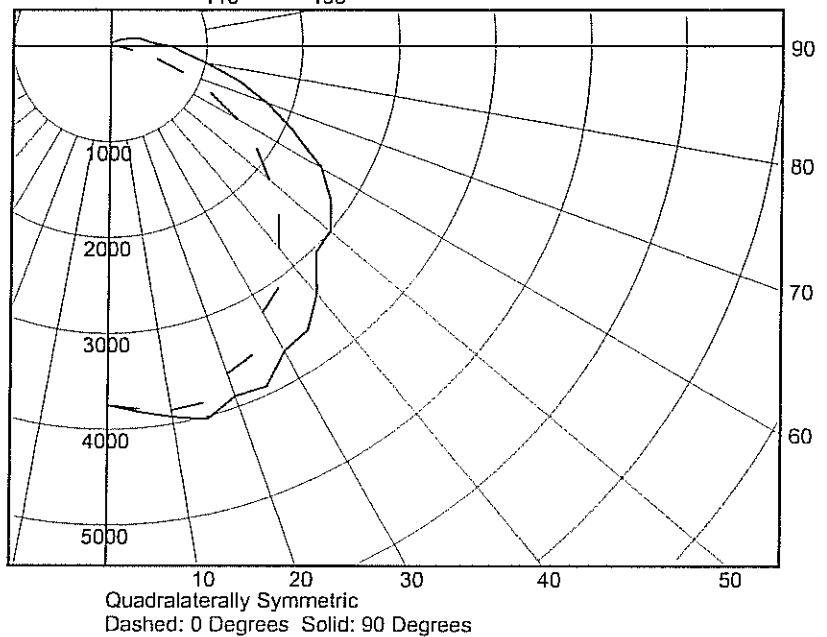
**SUMMARY DATA**

EFFICIENCY (Total): 77.3 %  
 EFFICIENCY (Downlight): 73.5 %  
 EFFICIENCY (Uplight): 3.8 %  
 CIE CLASSIFICATION: DIRECT  
 SPACING CRITERION (0-Deg.): 1.28  
 SPACING CRITERION (90-Deg.): 1.47  
 LUMENS/LAMP: 2950  
 NO. OF LAMPS: 6  
 LUMINOUS OPENING: RECTANGULAR  
     Width: 1.13 (Feet)  
     Length: 4.23  
     Height: 0.25  
 INPUT WATTS: 143

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Lamp	% Luminaire
0 - 30	3168.9	17.9	23.2
0 - 40	5262.6	29.7	38.5
0 - 60	9603.9	54.3	70.2
60 - 90	3399.2	19.2	24.9
0 - 90	13003.1	73.5	95.1
90 - 180	674.6	3.8	4.9
0 - 180	13677.7	77.3	100.0

**CANDELA PLOT**



**AVERAGE LUMINANCE**

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	8480	8480	8480	8480	8480
45	7540	7566	7640	7710	7977
55	6766	7008	7480	8124	8438
65	5459	5887	6890	7461	7668
75	3602	4632	5644	6221	6561
85	1348	2870	4234	5112	5558

**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	.91	.91	.91	.91	.89	.89	.89	.89	.84	.84	.84	.79	.79	.79	.75	.75	.75	.73
1	.82	.78	.74	.71	.80	.76	.73	.70	.72	.69	.67	.68	.66	.64	.65	.63	.61	.59
2	.74	.67	.62	.57	.72	.66	.60	.56	.62	.58	.54	.59	.55	.52	.56	.53	.51	.49
3	.67	.59	.52	.47	.65	.57	.51	.46	.54	.49	.45	.52	.47	.44	.49	.45	.42	.40
4	.62	.52	.45	.39	.59	.51	.44	.39	.48	.42	.38	.46	.41	.37	.44	.39	.36	.34
5	.56	.46	.39	.34	.54	.45	.38	.33	.43	.37	.32	.41	.36	.32	.39	.35	.31	.29
6	.52	.41	.34	.29	.50	.40	.34	.29	.39	.33	.28	.37	.32	.28	.35	.31	.27	.25
7	.48	.37	.30	.26	.47	.37	.30	.25	.35	.29	.25	.34	.28	.24	.32	.28	.24	.22
8	.45	.34	.27	.23	.43	.33	.27	.22	.32	.26	.22	.31	.26	.22	.30	.25	.21	.20
9	.42	.31	.25	.20	.40	.31	.24	.20	.29	.24	.20	.28	.23	.20	.27	.23	.19	.18
10	.39	.29	.22	.18	.38	.28	.22	.18	.27	.22	.18	.26	.21	.18	.25	.21	.17	.16

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