

# Photometric Report

CATALOG NUMBER: CATALOG NO. : AB1G8-4F32-13CA1

FILENAME: AB1G8-4F32-13CA\_IES.HTM

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<!-- saved from url=(0058)http://www.guth.com/photometry/uploads/AB1G8-4F32-13CA.IES -->
<HTML><HEAD>
<META http-equiv=Content-Type content="text/html; charset=windows-1252">
<META content="MSHTML 6.00.2800.1586" name=GENERATOR></HEAD>
<BODY><PRE>IESNA:LM-63-1995
[TEST]REPORT NO p11451 (8432.0)
[MANUFAC] GUTH LIGHTING - ST. LOUIS, MO
[LUMINAIRE] 4 32W T8 WHITE INDIVIDUAL LAMP REFLECTORS
[LUMINAIRE] WHITE ACRYLIC 1/2x1/2x1/2" CELL LOUVER
[LUMINAIRE] : 2 STOCKER&amp;YALE BALLASTS #SY12DT8 WATTS=122
[LUMCAT]CATALOG NO. : AB1G8-4F32-13CA1
[LAMPCAT]LAMP CODE : F32T8/SPX35/RS
```

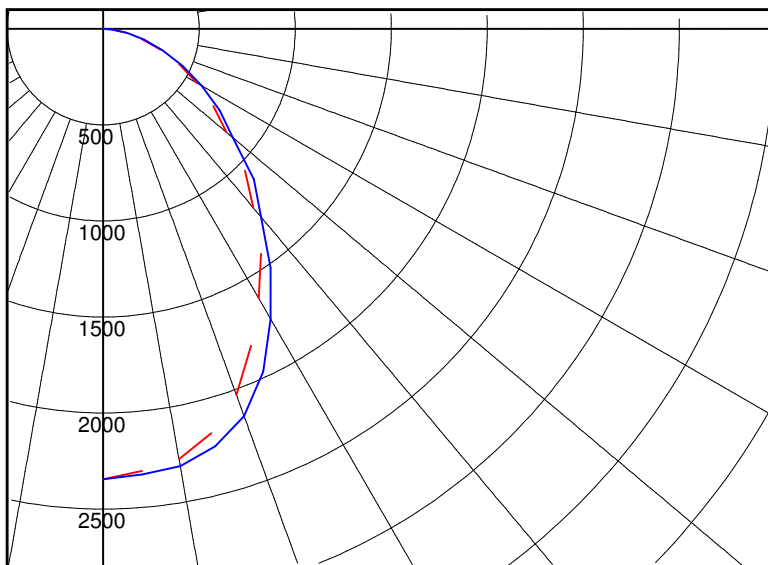
## SUMMARY DATA

```
EFFICIENCY (Total):          42.0 %
EFFICIENCY (Downlight):     42.0 %
EFFICIENCY (Uplight):       0.0 %
CIE CLASSIFICATION:        DIRECT
SPACING CRITERION (0-Deg.): 1.06
SPACING CRITERION (90-Deg.): 1.13
LUMENS/LAMP:                2850
NO. OF LAMPS:               4
LUMINOUS OPENING:          RECTANGULAR
    Width:                   1.65 (Feet)
    Length:                   3.68
    Height:                   0.00
INPUT WATTS:                 122
RP-1-93 VDT CONFORMANCE:   NON-CONFORMING
```

## ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	1704.4	15.0	35.6
0 - 40	2618.4	23.0	54.7
0 - 60	4066.1	35.7	84.9
60 - 90	721.5	6.3	15.1
0 - 90	4787.6	42.0	100.0
90 - 180	0.0	0.0	0.0
0 - 180	4787.6	42.0	100.0

## CANDELA PLOT



Quadrilaterally Symmetric  
Dashed: 0 Degrees Solid: 90 Degrees

## AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	4171	4171	4171	4171	4171
45	2626	2643	2658	2734	2792
55	2170	2146	2186	2239	2294
65	1835	1810	1835	1877	1919
75	1429	1422	1443	1464	1512
85	898	918	979	1020	1061

## 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	.50	.50	.50	.50	.49	.49	.49	.49	.47	.47	.47	.45	.45	.45	.43	.43	.43	.42
1	.46	.44	.43	.41	.45	.43	.42	.41	.42	.40	.39	.40	.39	.38	.39	.38	.37	.36
2	.42	.39	.37	.35	.41	.39	.36	.34	.37	.35	.33	.36	.34	.33	.34	.33	.32	.31
3	.39	.35	.32	.29	.38	.34	.31	.29	.33	.31	.29	.32	.30	.28	.31	.29	.28	.27
4	.36	.31	.28	.25	.35	.31	.28	.25	.30	.27	.25	.29	.26	.25	.28	.26	.24	.23
5	.33	.28	.25	.22	.33	.28	.25	.22	.27	.24	.22	.26	.24	.22	.25	.23	.21	.21
6	.31	.26	.22	.20	.30	.25	.22	.20	.25	.22	.20	.24	.21	.19	.23	.21	.19	.18
7	.29	.24	.20	.18	.28	.23	.20	.18	.23	.20	.18	.22	.19	.17	.21	.19	.17	.16
8	.27	.22	.18	.16	.26	.21	.18	.16	.21	.18	.16	.20	.18	.16	.20	.17	.16	.15
9	.25	.20	.17	.15	.25	.20	.17	.14	.19	.16	.14	.19	.16	.14	.18	.16	.14	.14
10	.24	.19	.15	.13	.23	.18	.15	.13	.18	.15	.13	.18	.15	.13	.17	.15	.13	.12

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## CANDELA TABLE

Vertical Angle	Horizontal Angles				
	<u>0</u>	<u>22.5</u>	<u>45</u>	<u>67.5</u>	<u>90</u>
0	2345	2345	2345	2345	2345
5	2311	2325	2317	2330	2330
10	2275	2281	2294	2316	2312
15	2179	2193	2205	2233	2250
20	2029	2042	2070	2130	2146
25	1820	1823	1866	1941	1970
30	1621	1621	1678	1721	1745
35	1431	1434	1475	1499	1519
40	1217	1222	1240	1264	1277
45	1044	1051	1057	1087	1110
50	837	837	855	860	880
55	700	692	705	722	740
60	562	550	559	573	590
65	436	430	436	446	456
70	317	314	316	324	329
75	208	207	210	213	220
80	118	118	120	123	127
85	44	45	48	50	52
90	0	0	0	0	0