

# Photometric Report

CATALOG NUMBER: CATALOG NO. : BA-246F32\*-3AP3

FILENAME: BA-246F32GF-XAP3\_IES.HTM

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<!-- saved from url=(0059)http://www.guth.com/photometry/uploads/BA-246F32GF-XAP3.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 P11450 (7948.0-1 .96)
[MANUFAC] GUTH LIGHTING INC - ST. LOUIS, MISSOURI
[LUMINAIRE] 6/32 T8 LAMP 2x4 RECESSED LUMINAIRE w/WHITE BODY
[LUMINAIRE] WHITE BODY, PRISMATIC LENS W/ PRISM UP REFL=92%
[LUMINAIRE] 2 ADVANCE BALLAST #REL-3P32-TP-RH WATTS=199
[LUMCAT]CATALOG NO. : BA-246F32*-3AP3
[LAMPCAT]LAMP CODE : F32T8/835/RS
```

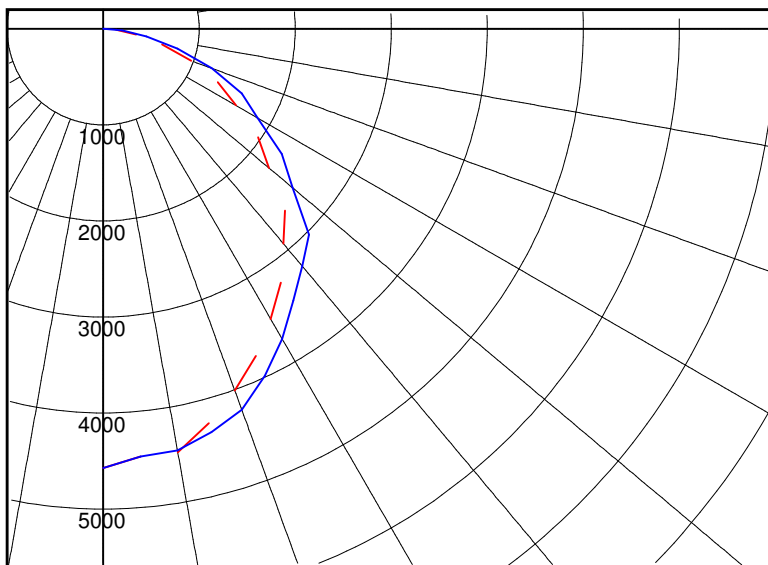
## SUMMARY DATA

```
EFFICIENCY (Total):          70.4 %
EFFICIENCY (Downlight):     70.4 %
EFFICIENCY (Uplight):       0.0 %
CIE CLASSIFICATION:        DIRECT
SPACING CRITERION (0-Deg.):  1.15
SPACING CRITERION (90-Deg.): 1.22
LUMENS/LAMP:                2850
NO. OF LAMPS:               6
LUMINOUS OPENING:          RECTANGULAR
    Width:                   1.67 (Feet)
    Length:                   3.67
    Height:                    0.00
INPUT WATTS:                 199
RP-1-93 VDT CONFORMANCE:   NON-CONFORMING
```

## ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	3427.6	20.0	28.5
0 - 40	5529.0	32.3	45.9
0 - 60	9622.2	56.3	79.9
60 - 90	2416.1	14.1	20.1
0 - 90	12038.3	70.4	100.0
90 - 180	0.0	0.0	0.0
0 - 180	12038.3	70.4	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	8051	8051	8051	8051	8051
45	6671	6898	7281	7538	7548
55	6042	6263	6815	6846	6972
65	5491	5746	6337	6487	6625
75	4313	4558	5014	5313	5450
85	2687	2808	3071	3637	3960

## 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	.84	.84	.84	.84	.82	.82	.82	.82	.78	.78	.78	.75	.75	.75	.72	.72	.72	.70
1	.77	.73	.70	.68	.75	.72	.69	.67	.69	.67	.65	.66	.64	.63	.64	.62	.61	.59
2	.70	.64	.59	.55	.68	.63	.58	.55	.60	.57	.53	.58	.55	.52	.56	.53	.51	.50
3	.64	.56	.51	.46	.62	.55	.50	.46	.53	.49	.45	.51	.47	.44	.49	.46	.43	.42
4	.58	.50	.44	.39	.57	.49	.43	.39	.47	.42	.38	.46	.41	.38	.44	.40	.37	.36
5	.54	.45	.38	.34	.52	.44	.38	.34	.42	.37	.33	.41	.36	.33	.40	.36	.32	.31
6	.50	.40	.34	.30	.48	.40	.34	.29	.38	.33	.29	.37	.32	.29	.36	.32	.29	.27
7	.46	.37	.30	.26	.45	.36	.30	.26	.35	.30	.26	.34	.29	.26	.33	.29	.25	.24
8	.43	.33	.27	.23	.42	.33	.27	.23	.32	.27	.23	.31	.26	.23	.30	.26	.23	.21
9	.40	.31	.25	.21	.39	.30	.25	.21	.29	.24	.21	.29	.24	.21	.28	.24	.21	.19
10	.38	.28	.23	.19	.37	.28	.23	.19	.27	.22	.19	.27	.22	.19	.26	.22	.19	.18

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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	4572	4572	4572	4572	4572
5	4471	4463	4481	4449	4471
10	4478	4482	4471	4483	4457
15	4252	4251	4295	4329	4348
20	4008	4008	4116	4114	4221
25	3758	3822	3942	3975	3987
30	3489	3568	3681	3740	3728
35	3227	3221	3380	3466	3453
40	2921	2952	3107	3193	3223
45	2679	2770	2924	3027	3031
50	2253	2365	2506	2591	2577
55	1968	2040	2220	2230	2271
60	1595	1665	1797	1835	1856
65	1318	1379	1521	1557	1590
70	975	1040	1118	1181	1201
75	634	670	737	781	801
80	350	366	408	441	459
85	133	139	152	180	196
90	0	0	0	0	0