

Photometric Report

CATALOG NUMBER: CATALOG NO. : BA-244F32*-5AP3

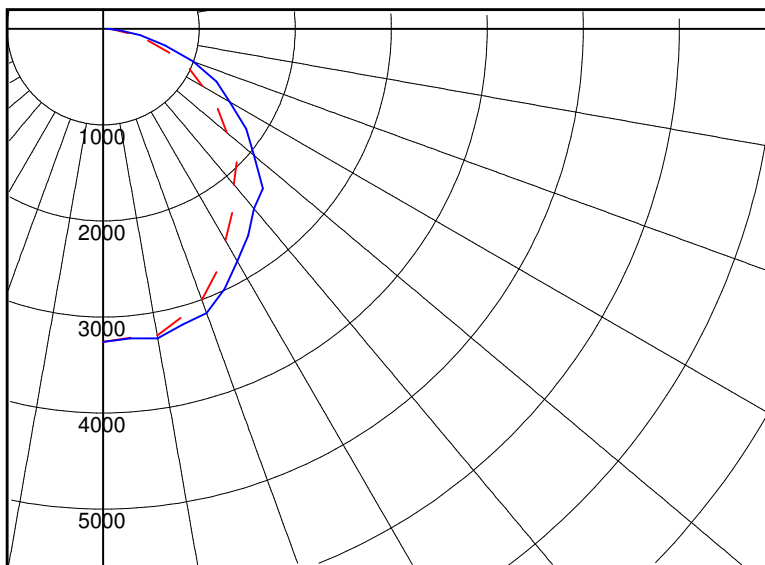
FILENAME: BA-244F32FG-XAP3_IES.HTM

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<BODY><PRE> IESNA:LM-63-1995
[TEST]REPORT NO P11450 (8160.1) .9639
[MANUFAC] GUTH LIGHTING - ST. LOUIS, MO
[LUMINAIRE] 4/32W T8 LAMP 2x4' RECESSED LUMINAIRE
[LUMINAIRE] WHITE BODY w/PRISMATIC LENS - PRISMS UP REFL=92%
[LUMINAIRE] ENERGY SAVINGS BLT #ES-4/3-T8-32/25/17/UNV-IS WATTS=107
[LUMCAT]CATALOG NO. : BA-244F32*-5AP3
[LAMPCAT]LAMP CODE : F32T8/835/RS
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SUMMARY DATA

```
EFFICIENCY (Total):          77.5 %
EFFICIENCY (Downlight):     77.5 %
EFFICIENCY (Uplight):       0.0 %
CIE CLASSIFICATION:        DIRECT
SPACING CRITERION (0-Deg.): 1.17
SPACING CRITERION (90-Deg.): 1.27
LUMENS/LAMP:                2950
NO. OF LAMPS:               4
LUMINOUS OPENING:          RECTANGULAR
    Width:                   1.76 (Feet)
    Length:                   3.76
    Height:                    0.00
INPUT WATTS:                 107
RP-1-93 VDT CONFORMANCE:   NON-CONFORMING
```

CANDELA PLOT



Quadrilaterally Symmetric
Dashed: 0 Degrees Solid: 90 Degrees

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	2536.1	21.5	27.7
0 - 40	4098.4	34.7	44.8
0 - 60	7218.4	61.2	78.9
60 - 90	1930.0	16.4	21.1
0 - 90	9148.4	77.5	100.0
90 - 180	0.0	0.0	0.0
0 - 180	9148.4	77.5	100.0

AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	5303	5303	5303	5303	5303
45	4525	4679	5065	5318	5408
55	4123	4333	4804	5073	5161
65	3818	4053	4572	4884	5007
75	3023	3243	3714	4035	4192
85	1885	2072	2482	2986	3247

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	.92	.92	.92	.92	.90	.90	.90	.90	.86	.86	.86	.82	.82	.82	.79	.79	.79	.78
1	.84	.81	.77	.74	.82	.79	.76	.73	.76	.73	.71	.72	.70	.69	.70	.68	.67	.65
2	.77	.70	.65	.60	.75	.69	.64	.60	.66	.62	.58	.63	.60	.57	.61	.58	.56	.54
3	.70	.62	.55	.50	.68	.60	.55	.50	.58	.53	.49	.56	.52	.48	.54	.50	.47	.45
4	.64	.55	.48	.43	.62	.54	.47	.42	.52	.46	.42	.50	.45	.41	.48	.44	.40	.39
5	.59	.49	.42	.37	.57	.48	.41	.36	.46	.40	.36	.45	.40	.36	.43	.39	.35	.34
6	.54	.44	.37	.32	.53	.43	.37	.32	.42	.36	.32	.40	.35	.31	.39	.35	.31	.29
7	.50	.40	.33	.28	.49	.39	.33	.28	.38	.32	.28	.37	.32	.28	.36	.31	.27	.26
8	.47	.36	.30	.25	.46	.36	.29	.25	.35	.29	.25	.34	.29	.25	.33	.28	.25	.23
9	.44	.33	.27	.23	.43	.33	.27	.23	.32	.26	.22	.31	.26	.22	.30	.26	.22	.21
10	.41	.31	.25	.21	.40	.30	.24	.20	.30	.24	.20	.29	.24	.20	.28	.24	.20	.19

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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	3260	3260	3260	3260	3260
5	3230	3228	3230	3236	3235
10	3243	3243	3253	3268	3272
15	3116	3126	3154	3181	3189
20	3006	3031	3090	3139	3149
25	2795	2830	2915	2978	2992
30	2545	2589	2706	2776	2795
35	2340	2389	2528	2605	2629
40	2117	2170	2321	2412	2444
45	1967	2034	2202	2312	2351
50	1679	1751	1912	2016	2050
55	1454	1528	1694	1789	1820
60	1191	1260	1409	1491	1521
65	992	1053	1188	1269	1301
70	735	788	896	968	997
75	481	516	591	642	667
80	266	285	336	374	393
85	101	111	133	160	174
90	15	19	24	33	38