

Photometric Report

CATALOG NUMBER: CATALOG NO. : PA8208-CLR

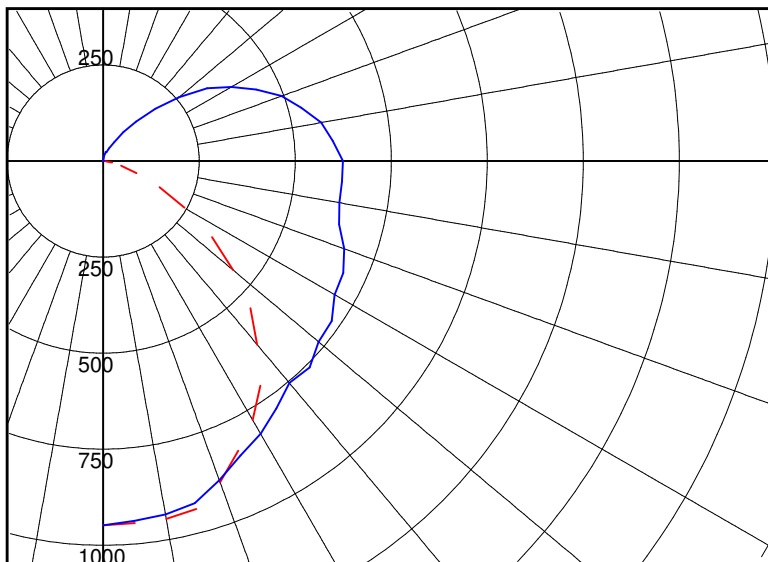
FILENAME: PA8208_IES.HTM

```
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<!-- saved from url=(0049)http://www.guth.com/photometry/uploads/PA8208.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. P11455-1
[MANUFAC] GUTH LIGHTING INC - ST.LOUIS, MISSOURI
[LUMINAIRE] 8' TEARDROP 2 LAMP F32W T8
[LUMINAIRE] BALLAST ES-2-T8-32-120A
[LUMCAT]CATALOG NO. : PA8208-CLR
[LAMPCAT]LAMP CODE : F32W T8
```

SUMMARY DATA

```
EFFICIENCY (Total):          77.8 %
EFFICIENCY (Downlight):     57.8 %
EFFICIENCY (Uplight):       20.0 %
CIE CLASSIFICATION:        SEMI-DIRECT
SPACING CRITERION (0-Deg.): 1.22
SPACING CRIERION (90-Deg.): 1.29
LUMENS/LAMP:                2850
NO. OF LAMPS:               2
LUMINOUS OPENING:          RECTANGULAR
    Width:                   0.17 (Feet)
    Length:                   8.00
    Height:                   0.36
INPUT WATTS:                 58
RP-1-93 VDT CONFORMANCE:   NON-CONFORMING
```

CANDELA PLOT



Quadralaterally Symmetric
Dashed: 0 Degrees Solid: 90 Degrees

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	732.8	12.9	16.5
0 - 40	1191.6	20.9	26.9
0 - 60	2141.3	37.6	48.3
60 - 90	1155.7	20.3	26.1
0 - 90	3297.0	57.8	74.3
90 - 180	1139.5	20.0	25.7
0 - 180	4436.5	77.8	100.0

AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	7684	7684	7684	7684	7684
45	5942	3325	2723	2664	2726
55	4591	2338	2286	2385	2481
65	2830	1552	1918	2164	2318
75	1285	1153	1594	1980	2166
85	367	1023	1654	2044	2224

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	.88	.88	.88	.88	.84	.84	.84	.84	.75	.75	.75	.68	.68	.68	.61	.61	.61	.58
1	.78	.73	.69	.65	.73	.69	.66	.62	.62	.59	.57	.56	.54	.51	.50	.48	.46	.43
2	.70	.63	.57	.52	.66	.59	.54	.49	.53	.49	.45	.48	.44	.41	.43	.40	.37	.35
3	.63	.55	.48	.42	.60	.52	.46	.41	.47	.41	.37	.42	.38	.34	.37	.34	.31	.28
4	.58	.48	.41	.35	.54	.46	.39	.34	.41	.36	.31	.37	.32	.29	.33	.29	.26	.24
5	.53	.43	.35	.30	.50	.41	.34	.29	.37	.31	.27	.33	.28	.25	.30	.26	.23	.21
6	.49	.38	.31	.26	.46	.36	.30	.25	.33	.28	.23	.30	.25	.22	.27	.23	.20	.18
7	.45	.35	.28	.23	.43	.33	.27	.22	.30	.25	.21	.27	.23	.19	.25	.21	.18	.16
8	.42	.31	.25	.20	.40	.30	.24	.20	.27	.22	.18	.25	.20	.17	.23	.19	.16	.14
9	.39	.29	.22	.18	.37	.28	.22	.18	.25	.20	.16	.23	.18	.15	.21	.17	.14	.13
10	.37	.26	.20	.16	.35	.25	.20	.16	.23	.18	.15	.21	.17	.14	.19	.16	.13	.11

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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	948	948	948	948	948
5	946	944	944	940	940
10	946	944	940	934	934
15	938	934	926	922	922
20	890	880	874	878	884
25	832	822	822	838	846
30	778	768	778	802	820
35	714	706	726	766	786
40	624	618	660	720	754
45	542	546	614	708	760
50	442	454	560	678	732
55	346	374	528	662	726
60	244	294	476	624	696
65	162	234	440	608	690
70	92	192	394	578	668
75	48	158	352	546	636
80	24	134	336	534	624
85	6	122	340	536	624
90	0	110	344	536	624
95	0	104	334	522	600
100	0	96	324	500	576
105	0	90	312	466	534
110	0	84	288	434	494
115	0	72	252	386	440
120	0	62	204	330	386
125	0	50	156	276	330
130	0	38	114	210	258
135	0	30	80	150	192
140	0	24	62	104	134
145	0	18	44	74	92
150	0	18	30	48	56
155	0	0	20	30	36
160	0	0	18	218	24
165	0	0	0	0	24
170	0	0	0	0	14
175	0	0	0	0	0
180	0	0	0	0	0