

Photometric Report

CATALOG NUMBER: CATALOG NO. : PA8108-CLR

FILENAME: PA8108_IES.HTM

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<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<!-- saved from url=(0049)http://www.guth.com/photometry/uploads/PA8108.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
[MANUFAC] GUTH LIGHTING INC - ST.LOUIS, MISSOURI
[LUMINAIRE] TEARDROP 2 LAMP F28W T5
[LUMINAIRE] BALLAST ES-2-T5-28-120-F
[LUMCAT]CATALOG NO. : PA8108-CLR
[LAMPCAT]LAMP CODE : F28W T5
```

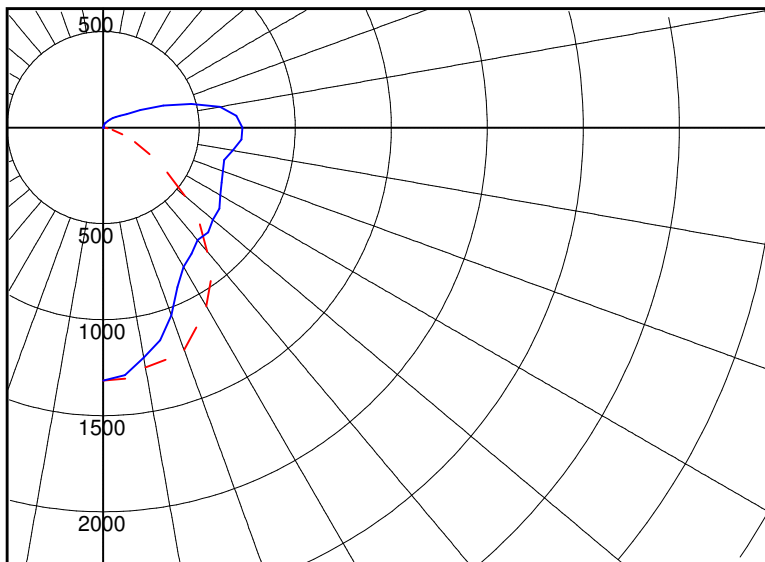
SUMMARY DATA

```
EFFICIENCY (Total):          78.5 %
EFFICIENCY (Downlight):     63.4 %
EFFICIENCY (Uplight):       15.1 %
CIE CLASSIFICATION:         SEMI-DIRECT
SPACING CRITERION (0-Deg.):  1.21
SPACING CRITERION (90-Deg.): 0.97
LUMENS/LAMP:                2900
NO. OF LAMPS:              2
LUMINOUS OPENING:          RECTANGULAR
    Width:                  0.17 (Feet)
    Length:                 8.00
    Height:                 0.36
INPUT WATTS:                60
RP-1-93 VDT CONFORMANCE:   NON-CONFORMING
```

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	920.9	15.9	20.2
0 - 40	1431.4	24.7	31.4
0 - 60	2414.2	41.6	53.0
60 - 90	1264.8	21.8	27.8
0 - 90	3679.0	63.4	80.8
90 - 180	875.8	15.1	19.2
0 - 180	4554.8	78.5	100.0

CANDELA PLOT



Quadralaterally Symmetric
Dashed: 0 Degrees Solid: 90 Degrees

AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	10683	10683	10683	10683	10683
45	7806	3447	2678	2702	2769
55	5413	2238	2304	2436	2522
65	3180	1631	1971	2157	2284
75	1338	1328	1812	2103	2221
85	489	1258	2063	2410	2573

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	.90	.90	.90	.90	.86	.86	.86	.86	.79	.79	.79	.72	.72	.72	.66	.66	.66	.63
1	.79	.75	.70	.66	.76	.71	.67	.64	.65	.62	.59	.59	.57	.55	.54	.52	.50	.48
2	.72	.64	.58	.53	.68	.61	.56	.51	.56	.51	.47	.51	.47	.44	.47	.44	.41	.38
3	.65	.56	.49	.43	.62	.54	.47	.42	.49	.44	.39	.45	.40	.37	.41	.37	.34	.32
4	.59	.50	.42	.37	.56	.47	.41	.36	.44	.38	.33	.40	.35	.31	.37	.33	.29	.27
5	.55	.44	.37	.32	.52	.42	.36	.31	.39	.33	.29	.36	.31	.27	.33	.29	.26	.23
6	.51	.40	.33	.27	.48	.38	.32	.27	.35	.30	.25	.33	.28	.24	.30	.26	.23	.21
7	.47	.36	.29	.24	.45	.35	.28	.24	.32	.27	.22	.30	.25	.21	.27	.23	.20	.18
8	.44	.33	.26	.22	.42	.32	.26	.21	.30	.24	.20	.27	.23	.19	.25	.21	.18	.16
9	.41	.30	.24	.19	.39	.29	.23	.19	.27	.22	.18	.25	.21	.17	.24	.19	.16	.15
10	.38	.28	.22	.18	.37	.27	.21	.17	.25	.20	.17	.24	.19	.16	.22	.18	.15	.14

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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	1318	1318	1318	1318	1318
5	1312	1302	1300	1294	1294
10	1268	1256	1240	1222	1216
15	1252	1226	1192	1156	1146
20	1232	1182	1116	1060	1040
25	1148	1082	988	930	916
30	1074	976	862	830	838
35	976	852	762	778	802
40	844	698	658	724	766
45	712	566	604	718	772
50	554	444	558	690	746
55	408	358	532	676	738
60	280	292	486	636	704
65	182	246	452	606	680
70	106	212	420	586	664
75	50	182	400	580	652
80	24	162	412	606	686
85	8	150	424	632	722
90	0	140	420	632	724
95	0	110	388	606	696
100	0	88	332	534	618
105	0	74	256	406	474
110	0	64	182	282	334
115	0	54	128	180	214
120	0	42	90	122	140
125	0	30	68	94	106
130	0	20	50	74	84
135	0	16	36	60	70
140	0	0	30	44	54
145	0	0	28	36	42
150	0	0	22	28	30
155	0	0	16	24	24
160	0	0	0	16	22
165	0	0	0	0	0
170	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0