

Photometric Report

CATALOG NUMBER: CATALOG NO. : PA8204-CLR

FILENAME: PA8204_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/PA8204.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] TEARDROP 1 LAMP F32W T8
[LUMINAIRE] BALLAST ES-1-T8-32-120A
[LUMCAT]CATALOG NO. : PA8204-CLR
[LAMPCAT]LAMP CODE : F32W T8
```

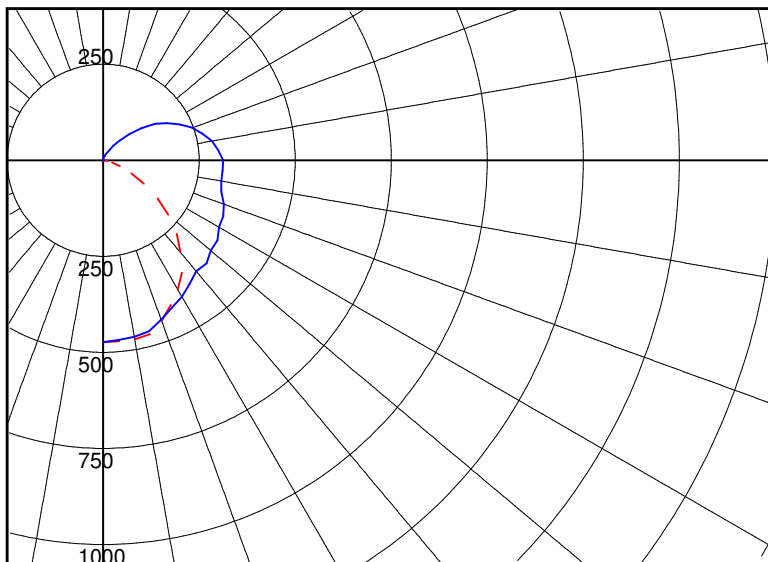
SUMMARY DATA

```
EFFICIENCY (Total):          77.7 %
EFFICIENCY (Downlight):     57.8 %
EFFICIENCY (Uplight):       19.8 %
CIE CLASSIFICATION:        SEMI-DIRECT
SPACING CRITERION (0-Deg.): 1.22
SPACING CRIERION (90-Deg.): 1.29
LUMENS/LAMP:                2850
NO. OF LAMPS:               1
LUMINOUS OPENING:          RECTANGULAR
    Width:                   0.17 (Feet)
    Length:                   4.00
    Height:                   0.36
INPUT WATTS:                29
RP-1-93 VDT CONFORMANCE:   NON-CONFORMING
```

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	366.4	12.9	16.5
0 - 40	595.8	20.9	26.9
0 - 60	1070.6	37.6	48.4
60 - 90	577.9	20.3	26.1
0 - 90	1648.5	57.8	74.5
90 - 180	565.4	19.8	25.5
0 - 180	2214.0	77.7	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	7684	7684	7684	7684	7684
45	5694	3252	2689	2649	2726
55	4326	2278	2255	2370	2481
65	2599	1505	1889	2149	2318
75	1122	1112	1567	1965	2166
85	273	981	1623	2027	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	.83	.83	.83	.83	.75	.75	.75	.68	.68	.68	.61	.61	.61	.58
1	.78	.73	.69	.65	.73	.69	.66	.62	.62	.59	.57	.56	.53	.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	.54	.48	.42	.60	.52	.45	.40	.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	.27	.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	.27	.22	.17	.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	474	474	474	474	474
5	473	472	472	470	470
10	473	472	470	467	467
15	469	467	463	461	461
20	445	440	437	439	442
25	416	411	411	419	423
30	389	384	389	401	410
35	357	353	363	383	393
40	312	309	330	360	377
45	271	273	307	354	380
50	221	227	280	339	366
55	173	187	264	331	363
60	122	147	238	312	348
65	81	117	220	304	345
70	46	96	197	289	334
75	24	79	176	273	318
80	12	67	168	267	312
85	3	61	170	268	312
90	0	55	172	268	312
95	0	52	167	261	300
100	0	48	162	250	288
105	0	45	156	233	267
110	0	42	144	217	247
115	0	36	126	193	220
120	0	31	102	165	193
125	0	25	78	138	165
130	0	19	57	105	129
135	0	15	40	75	96
140	0	12	31	52	67
145	0	9	22	37	46
150	0	9	15	24	28
155	0	0	10	15	18
160	0	0	9	10	12
165	0	0	0	9	12
170	0	0	0	0	7
175	0	0	0	0	0
180	0	0	0	0	0