

# Photometric Report

CATALOG NUMBER: CATALOG NO. : PA-8004/C

FILENAME: PA8004CLR\_IES.HTM

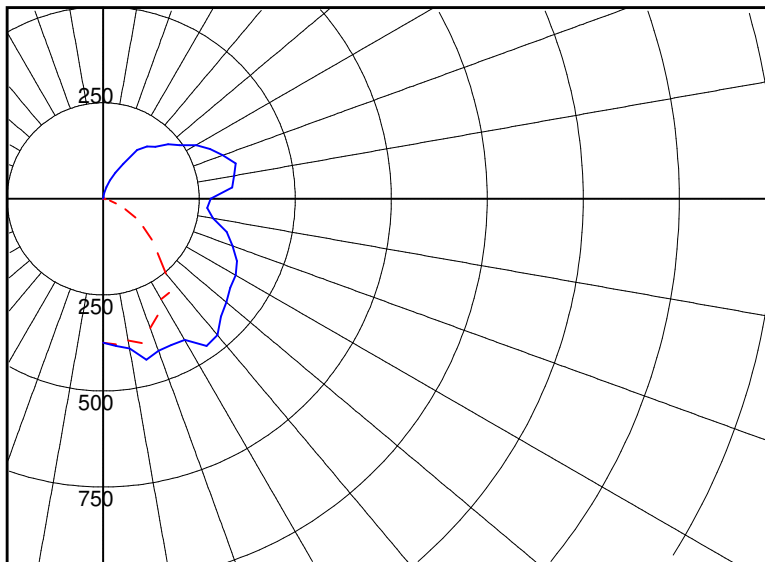
```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<!-- saved from url=(0052)http://www.guth.com/photometry/uploads/PA8004CLR.ies -->
<HTML><HEAD>
<META http-equiv=Content-Type content="text/html; charset=windows-1252">
<META content="MSHTML 6.00.2800.1586" name=GENERATOR></HEAD>
<BODY><PRE>IESNA:LM-63-1995
```

```
[TEST]REPORT NO. P11407-4
[MANUFAC] GUTH LIGHTING INC - ST.LOUIS, MISSOURI
[LUMINAIRE] TEARDROP 1 LAMP F32W T8
[LUMCAT]CATALOG NO. : PA-8004/C
[LAMPCAT]LAMP CODE : F32W T8
```

## SUMMARY DATA

```
EFFICIENCY (Total):           85.4 %
EFFICIENCY (Downlight):      57.0 %
EFFICIENCY (Uplight):       28.3 %
CIE CLASSIFICATION:         SEMI-DIRECT
SPACING CRITERION (0-Deg.):  1.22
SPACING CRITERION (90-Deg.): 1.79
LUMENS/LAMP:                2900
NO. OF LAMPS:               1
LUMINOUS OPENING:          RECTANGULAR
    Width:                   0.17 (Feet)
    Length:                  4.00
    Height:                  0.50
INPUT WATTS:                 41
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	326.0	11.2	13.2
0 - 40	562.9	19.4	22.7
0 - 60	1074.0	37.0	43.4
60 - 90	580.3	20.0	23.4
0 - 90	1654.3	57.0	66.8
90 - 180	821.1	28.3	33.2
0 - 180	2475.4	85.4	100.0

## AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	5926	5926	5926	5926	5926
45	3992	2472	2353	2417	2461
55	2974	1877	2033	2103	2143
65	1876	1299	1726	1910	1971
75	767	909	1257	1551	1700
85	67	682	875	1220	1424

## 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	.95	.95	.95	.95	.89	.89	.89	.89	.79	.79	.79	.70	.70	.70	.61	.61	.61	.57
1	.84	.79	.75	.71	.79	.75	.71	.67	.66	.63	.60	.58	.55	.53	.50	.49	.47	.43
2	.76	.68	.62	.56	.71	.64	.58	.53	.56	.52	.48	.49	.46	.43	.43	.40	.38	.34
3	.69	.59	.52	.46	.64	.56	.49	.44	.49	.44	.39	.43	.39	.35	.37	.34	.31	.28
4	.62	.52	.44	.38	.58	.49	.42	.36	.43	.37	.33	.38	.33	.29	.33	.29	.26	.23
5	.57	.46	.38	.32	.53	.43	.36	.31	.38	.32	.28	.34	.29	.25	.29	.25	.22	.20
6	.52	.41	.33	.28	.49	.39	.32	.27	.34	.28	.24	.30	.25	.22	.26	.22	.19	.17
7	.48	.37	.29	.24	.45	.35	.28	.23	.31	.25	.21	.27	.23	.19	.24	.20	.17	.15
8	.45	.33	.26	.21	.42	.32	.25	.20	.28	.23	.19	.25	.20	.17	.22	.18	.15	.13
9	.42	.30	.24	.19	.39	.29	.22	.18	.26	.20	.16	.23	.18	.15	.20	.16	.13	.12
10	.39	.28	.21	.17	.37	.26	.20	.16	.24	.18	.15	.21	.17	.13	.19	.15	.12	.10

# Photometric Report

CATALOG NUMBER: CATALOG NO. : PA-8004/C

FILENAME: PA8004CLR\_IES.HTM

## CANDELA TABLE

Vertical Angle	Horizontal Angles				
	<u>0</u>	<u>22.5</u>	<u>45</u>	<u>67.5</u>	<u>90</u>
0	374	374	374	374	374
5	380	380	383	381	385
10	374	380	383	393	396
15	389	396	414	428	433
20	358	369	396	416	421
25	336	351	386	410	420
30	302	330	370	407	424
35	299	337	389	443	468
40	254	299	366	439	463
45	201	248	333	407	433
50	166	221	319	395	419
55	127	189	302	377	404
60	98	163	290	369	398
65	64	127	260	353	385
70	36	95	219	319	358
75	18	84	187	287	333
80	6	69	147	236	290
85	1	57	124	219	271
90	0	54	131	230	280
95	0	66	186	296	337
100	0	65	201	307	346
105	0	66	215	321	357
110	0	60	199	295	331
115	0	59	183	272	307
120	0	54	166	248	280
125	0	44	140	215	243
130	0	37	124	193	221
135	0	30	105	167	191
140	0	28	96	156	178
145	0	22	78	133	155
150	0	16	51	89	105
155	0	12	36	63	75
160	0	9	24	42	51
165	0	9	17	28	31
170	0	5	7	12	15
175	0	5	5	5	6
180	0	0	0	0	0