

Photometric Report

CATALOG NUMBER: CATALOG NO. : PA-7804/C

FILENAME: PA7804CLR_IES.HTM

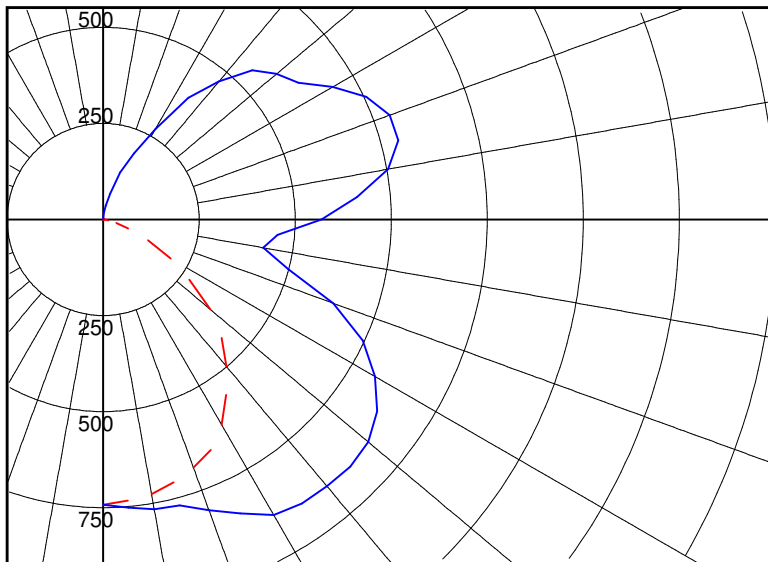
```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<!-- saved from url=(0052)http://www.guth.com/photometry/uploads/PA7804CLR.ies -->
<HTML><HEAD>
<META http-equiv=Content-Type content="text/html; charset=windows-1252">
<META content="MSHTML 6.00.2800.1586" name=GENERATOR></HEAD>
<BODY><PRE>IESNA:LM-63-1995
```

```
[TEST] REPORT NO. P11407
[MANUFAC] GUTH LIGHTING INC - ST. LOUIS, MISSOURI
[LUMINAIRE] TEARDROP 2LAMP 40WATT BIAx
[LUMCAT] CATALOG NO. : PA-7804/C
[LAMP CAT] LAMP CODE : F40BX/SPX35(BIAX)
```

SUMMARY DATA

```
EFFICIENCY (Total):           82.0 %
EFFICIENCY (Downlight):      51.5 %
EFFICIENCY (Uplight):       30.5 %
CIE CLASSIFICATION:         SEMI-DIRECT
SPACING CRITERION (0-Deg.):  1.23
SPACING CRITERION (90-Deg.): 1.81
LUMENS/LAMP:                3150
NO. OF LAMPS:               2
LUMINOUS OPENING:          RECTANGULAR
    Width:                   0.17 (Feet)
    Length:                  4.00
    Height:                  0.50
INPUT WATTS:                 80
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	627.3	10.0	12.1
0 - 40	1088.8	17.3	21.1
0 - 60	2186.2	34.7	42.3
60 - 90	1059.3	16.8	20.5
0 - 90	3245.4	51.5	62.8
90 - 180	1918.8	30.5	37.2
0 - 180	5164.3	82.0	100.0

AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	11755	11755	11755	11755	11755
45	8686	5210	5200	5144	5165
55	6416	4356	4586	4609	4621
65	3787	2735	3444	3750	3823
75	1476	1740	2118	2310	2545
85	411	1361	1518	1988	2394

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	.85	.85	.85	.85	.74	.74	.74	.65	.65	.65	.56	.56	.56	.52
1	.81	.76	.72	.69	.75	.71	.68	.65	.62	.60	.57	.54	.52	.50	.46	.45	.43	.40
2	.73	.65	.60	.55	.68	.61	.56	.52	.53	.49	.46	.46	.43	.40	.40	.37	.35	.32
3	.66	.57	.50	.44	.61	.53	.47	.42	.46	.42	.38	.40	.36	.33	.34	.31	.29	.26
4	.60	.50	.43	.37	.56	.47	.40	.35	.41	.36	.31	.35	.31	.28	.30	.27	.24	.21
5	.55	.44	.37	.31	.51	.41	.35	.30	.36	.31	.27	.31	.27	.24	.27	.23	.21	.18
6	.50	.39	.32	.27	.47	.37	.30	.25	.32	.27	.23	.28	.24	.20	.24	.21	.18	.15
7	.46	.35	.28	.23	.43	.33	.27	.22	.29	.24	.20	.25	.21	.18	.22	.18	.16	.13
8	.43	.32	.25	.20	.40	.30	.24	.19	.27	.21	.17	.23	.19	.16	.20	.16	.14	.12
9	.40	.29	.22	.18	.37	.27	.21	.17	.24	.19	.15	.21	.17	.14	.18	.15	.12	.10
10	.37	.27	.20	.16	.35	.25	.19	.15	.22	.17	.14	.20	.15	.12	.17	.14	.11	.09

Photometric Report

CATALOG NUMBER: CATALOG NO. : PA-7804/C

FILENAME: PA7804CLR_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	743	743	743	743	743
5	735	740	742	746	753
10	726	736	747	760	766
15	708	727	746	761	770
20	687	711	735	780	806
25	662	684	734	813	844
30	618	645	744	851	888
35	558	608	744	867	903
40	500	561	742	869	906
45	437	522	736	865	909
50	365	481	721	853	901
55	274	438	681	827	871
60	203	356	618	770	817
65	128	267	519	694	746
70	70	203	413	596	638
75	35	160	315	428	498
80	12	135	244	338	423
85	6	114	216	357	456
90	0	132	261	460	568
95	0	143	329	574	663
100	0	141	410	674	754
105	0	143	469	724	796
110	0	143	480	713	793
115	0	145	458	673	756
120	0	135	440	628	690
125	0	114	395	570	621
130	0	92	339	542	589
135	0	69	262	486	549
140	0	55	193	414	469
145	0	40	139	302	387
150	0	29	106	217	272
155	0	20	76	147	189
160	0	14	48	80	130
165	0	11	27	48	70
170	0	11	13	18	37
175	0	11	12	13	17
180	0	0	0	0	0