

Photometric Report

CATALOG NUMBER: CATALOG NO. : PA-7804/YEL (UV FILTERING)

FILENAME: PA7804YEL_IES.HTM

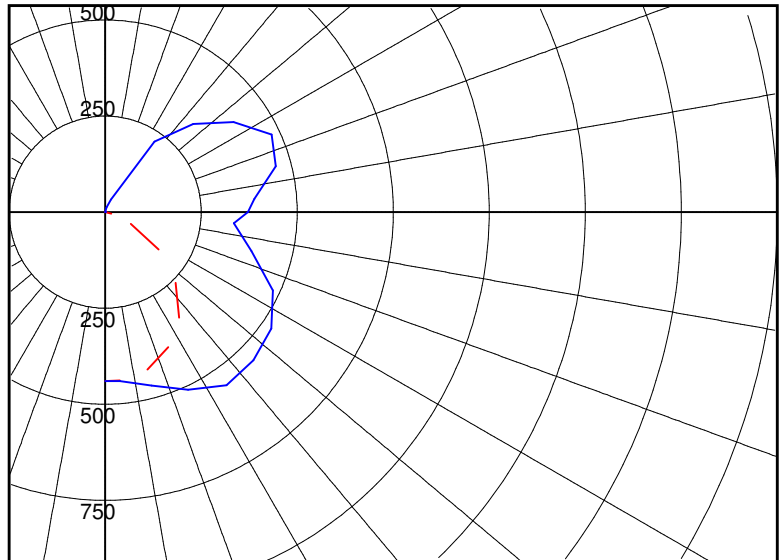
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<!-- saved from url=(0052)http://www.guth.com/photometry/uploads/PA7804YEL.ies -->
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```

```
[TEST] REPORT NO. P11407-3
[MANUFAC] GUTH LIGHTING INC - ST. LOUIS, MISSOURI
[LUMINAIRE] TEARDROP 2LAMP 40WATT BIAX
[LUMCAT] CATALOG NO. : PA-7804/YEL (UV FILTERING)
[LAMP CAT] LAMP CODE : F40BX/SPX35(BIAX)
```

SUMMARY DATA

```
EFFICIENCY (Total):           49.0 %
EFFICIENCY (Downlight):      31.3 %
EFFICIENCY (Uplight):       17.7 %
CIE CLASSIFICATION:         SEMI-DIRECT
SPACING CRITERION (0-Deg.):  1.23
SPACING CRITERION (90-Deg.): 1.83
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



Quadrilaterally Symmetric
Dashed: 0 Degrees Solid: 90 Degrees

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	374.8	5.9	12.1
0 - 40	652.9	10.4	21.2
0 - 60	1299.9	20.6	42.1
60 - 90	671.3	10.7	21.8
0 - 90	1971.2	31.3	63.9
90 - 180	1114.5	17.7	36.1
0 - 180	3085.7	49.0	100.0

AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	6965	6965	6965	6965	6965
45	5174	3057	3038	2937	3101
55	3981	2429	2641	2732	2802
65	2186	1473	2082	2389	2471
75	667	869	1278	1729	2012
85	0	718	916	1404	1763

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	.54	.54	.54	.54	.51	.51	.51	.51	.45	.45	.45	.39	.39	.39	.34	.34	.34	.31
1	.48	.46	.43	.41	.45	.43	.41	.39	.37	.36	.34	.32	.31	.30	.28	.27	.26	.24
2	.43	.39	.35	.32	.40	.37	.33	.31	.32	.29	.27	.28	.26	.24	.24	.22	.21	.19
3	.39	.34	.30	.26	.36	.32	.28	.25	.28	.25	.22	.24	.22	.20	.21	.19	.17	.15
4	.36	.30	.25	.22	.33	.28	.24	.21	.24	.21	.19	.21	.19	.16	.18	.16	.14	.13
5	.33	.26	.22	.18	.30	.25	.21	.18	.22	.18	.16	.19	.16	.14	.16	.14	.12	.11
6	.30	.23	.19	.16	.28	.22	.18	.15	.19	.16	.14	.17	.14	.12	.15	.12	.11	.09
7	.28	.21	.17	.14	.26	.20	.16	.13	.17	.14	.12	.15	.13	.11	.13	.11	.09	.08
8	.26	.19	.15	.12	.24	.18	.14	.11	.16	.13	.10	.14	.11	.09	.12	.10	.08	.07
9	.24	.17	.13	.11	.22	.16	.13	.10	.14	.11	.09	.13	.10	.08	.11	.09	.07	.06
10	.22	.16	.12	.09	.21	.15	.11	.09	.13	.10	.08	.12	.09	.07	.10	.08	.07	.06

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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	440	440	440	440	440
5	440	440	438	444	442
15	424	430	442	462	468
25	388	404	444	488	510
35	336	362	446	520	550
45	260	306	430	494	546
55	170	244	392	490	528
65	74	144	314	442	482
75	16	80	190	320	394
85	0	60	130	252	336
90	0	52	126	280	372
95	0	70	180	338	390
105	0	76	290	426	460
115	0	86	286	430	478
125	0	60	238	362	408
135	0	30	146	282	324
145	0	12	68	154	224
155	0	4	28	56	36
165	0	0	4	10	12
175	0	0	0	0	0
180	0	0	0	0	0