

# Photometric Report

CATALOG NUMBER: CATALOG NO. : PA-8004YEL (UV FILTERING)

FILENAME: PA8004YEL\_IES.HTM

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<!-- saved from url=(0052)http://www.guth.com/photometry/uploads/PA8004YEL.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-8004YEL (UV FILTERING)
[LAMP]CAT]LAMP CODE : F32W T8
```

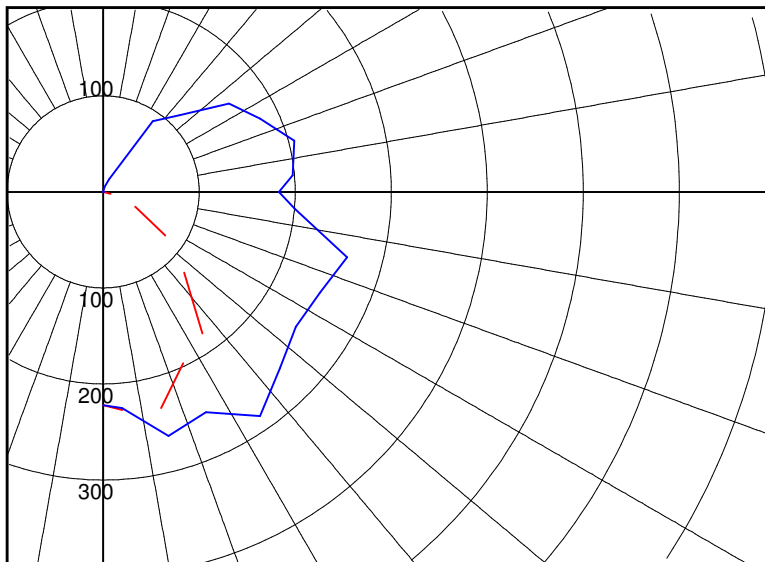
## SUMMARY DATA

```
EFFICIENCY (Total):           51.4 %
EFFICIENCY (Downlight):      35.0 %
EFFICIENCY (Uplight):        16.4 %
CIE CLASSIFICATION:          SEMI-DIRECT
SPACING CRITERION (0-Deg.):  1.27
SPACING CRITERION (90-Deg.): 1.80
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
```

## ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	197.2	6.8	13.2
0 - 40	343.5	11.8	23.0
0 - 60	640.1	22.1	42.9
60 - 90	376.0	13.0	25.2
0 - 90	1016.1	35.0	68.2
90 - 180	474.5	16.4	31.8
0 - 180	1490.5	51.4	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	3514	3514	3514	3514	3514
45	2368	1448	1378	1379	1477
55	1850	1045	1172	1249	1300
65	1093	696	1041	1216	1276
75	334	456	760	1162	1343
85	0	359	528	863	1049

## 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	.57	.57	.57	.57	.54	.54	.54	.54	.48	.48	.48	.42	.42	.42	.37	.37	.37	.35
1	.51	.48	.45	.43	.48	.45	.43	.41	.40	.38	.36	.35	.34	.32	.31	.29	.28	.26
2	.46	.41	.37	.34	.43	.38	.35	.32	.34	.31	.29	.30	.28	.26	.26	.24	.23	.21
3	.41	.35	.31	.27	.38	.33	.29	.26	.29	.26	.23	.26	.23	.21	.22	.20	.19	.17
4	.37	.31	.26	.23	.35	.29	.25	.22	.26	.22	.20	.23	.20	.18	.20	.18	.16	.14
5	.34	.27	.23	.19	.32	.26	.22	.18	.23	.19	.17	.20	.17	.15	.18	.15	.13	.12
6	.32	.25	.20	.17	.29	.23	.19	.16	.21	.17	.14	.18	.15	.13	.16	.14	.12	.10
7	.29	.22	.18	.14	.27	.21	.17	.14	.19	.15	.13	.17	.14	.11	.14	.12	.10	.09
8	.27	.20	.16	.13	.25	.19	.15	.12	.17	.14	.11	.15	.12	.10	.13	.11	.09	.08
9	.25	.18	.14	.11	.24	.17	.13	.11	.16	.12	.10	.14	.11	.09	.12	.10	.08	.07
10	.24	.17	.13	.10	.22	.16	.12	.10	.14	.11	.09	.13	.10	.08	.11	.09	.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	222	222	222	222	222
5	228	226	226	227	226
15	233	234	245	260	263
25	197	208	234	246	253
35	180	201	233	265	285
45	119	145	195	232	260
55	79	105	174	224	245
65	37	68	157	225	249
75	8	42	113	215	263
85	0	30	75	155	200
90	0	21	63	140	183
95	0	32	102	175	198
105	0	32	133	203	206
115	0	32	114	164	180
125	0	19	84	137	160
135	0	12	58	97	113
145	0	5	38	68	90
155	0	2	13	24	14
165	0	0	3	6	5
175	0	0	0	0	0
180	0	0	0	0	0