

Photometric Report

CATALOG NUMBER: CATALOG NO. : CW4-4G3F60

FILENAME: CW4-4G3F60_IES.HTM

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<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<!-- saved from url=(0053)http://www.guth.com/photometry/uploads/CW4-4G3F60.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. P11428A 1.343
[MANUFAC] GUTH LIGHTING - ST. LOUIS, MO
[LUMINAIRE] 3/60W T12HO LAMP 1x4'SURFACE LUMINAIRE
[LUMINAIRE] 304 STAINLESS STEEL BODY w/CLEAR LENS
[LUMINAIRE] WATTS=235
[LUMCAT]CATALOG NO. : CW4-4G3F60
[LAMPCAT]LAMP CODE : F48W T12HO WW
```

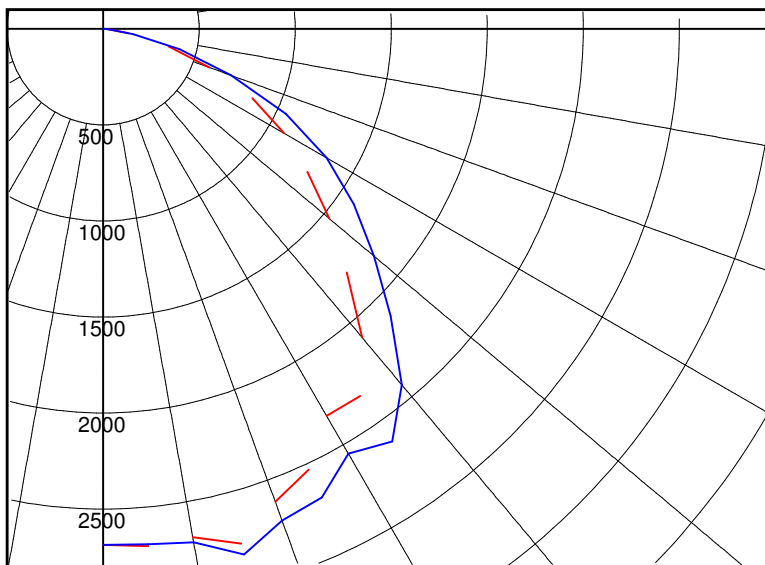
SUMMARY DATA

```
EFFICIENCY (Total):           62.8 %
EFFICIENCY (Downlight):      62.8 %
EFFICIENCY (Uplight):        0.0 %
CIE CLASSIFICATION:          DIRECT
SPACING CRITERION (0-Deg.):   1.33
SPACING CRITERION (90-Deg.): 1.47
LUMENS/LAMP:                  4300
NO. OF LAMPS:                 3
LUMINOUS OPENING:            RECTANGULAR
    Width:                     1.13 (Feet)
    Length:                    4.21
    Height:                    0.43
INPUT WATTS:                  235
RP-1-93 VDT CONFORMANCE:     NON-CONFORMING
```

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	2228.0	17.3	27.5
0 - 40	3750.7	29.1	46.3
0 - 60	6623.7	51.3	81.8
60 - 90	1475.5	11.4	18.2
0 - 90	8099.2	62.8	100.0
90 - 180	0.0	0.0	0.0
0 - 180	8099.2	62.8	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	6080	6080	6080	6080	6080
45	5205	4886	4841	4849	4903
55	4471	4166	4007	3985	4071
65	3763	3423	3213	3067	3096
75	2227	1901	1637	1486	1489
85	305	233	178	147	150

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	.75	.75	.75	.75	.73	.73	.73	.73	.70	.70	.70	.67	.67	.67	.64	.64	.64	.63
1	.69	.66	.63	.61	.67	.64	.62	.60	.62	.60	.58	.59	.58	.56	.57	.56	.55	.53
2	.63	.58	.53	.50	.61	.56	.53	.49	.54	.51	.48	.52	.49	.47	.50	.48	.46	.45
3	.57	.51	.46	.42	.56	.50	.45	.41	.48	.44	.41	.46	.43	.40	.44	.42	.39	.38
4	.52	.45	.39	.35	.51	.44	.39	.35	.42	.38	.35	.41	.37	.34	.40	.36	.34	.32
5	.48	.40	.34	.30	.47	.39	.34	.30	.38	.33	.30	.37	.33	.30	.36	.32	.29	.28
6	.44	.36	.30	.26	.43	.35	.30	.26	.34	.30	.26	.33	.29	.26	.32	.29	.26	.24
7	.41	.33	.27	.23	.40	.32	.27	.23	.31	.26	.23	.30	.26	.23	.29	.26	.23	.21
8	.38	.30	.24	.21	.37	.29	.24	.21	.28	.24	.21	.28	.24	.20	.27	.23	.20	.19
9	.36	.27	.22	.19	.35	.27	.22	.19	.26	.22	.18	.25	.21	.18	.25	.21	.18	.17
10	.33	.25	.20	.17	.33	.25	.20	.17	.24	.20	.17	.24	.20	.17	.23	.19	.17	.16

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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	2687	2687	2687	2687	2687
5	2704	2697	2697	2701	2694
10	2687	2694	2709	2710	2714
15	2775	2775	2799	2836	2832
20	2619	2638	2681	2716	2725
25	2532	2541	2611	2662	2691
30	2327	2361	2460	2522	2553
35	2333	2388	2507	2595	2623
40	2098	2168	2309	2389	2420
45	1793	1894	2029	2107	2115
50	1536	1639	1765	1821	1841
55	1299	1418	1511	1574	1593
60	1087	1191	1272	1334	1343
65	857	968	1040	1053	1050
70	588	670	723	719	708
75	352	412	426	418	412
80	134	168	165	161	159
85	26	34	34	31	31
90	0	0	0	0	0