

# Photometric Report

Friday, November 18, 2011

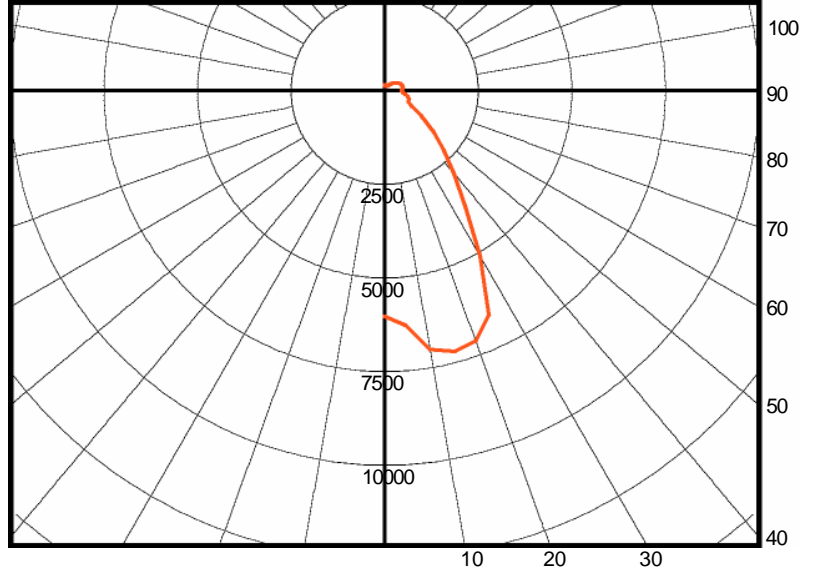
CATALOG NUMBER: SI2-E5-4D1642T/

FILENAME: SI2-E5-4D1642T.IES

aESNA:LM-63-1 995  
 [TEST]BALLABS TEST NO. 12929.0 .9 .75 1.11  
 [MANUFAC] GUTH LIGHTING INC - ST. LOUIS, MISSOURI  
 [LUMINAIRE] 6/42W PHILIPS TRIPLE CF ALTO LAMPS 25"DIA AREA LUMINAIRE  
 [LUMINAIRE] 25"DIA CLR ACRYLIC PRISM & LENS w/20DEG TILT LAMPS BASE DOWN  
 [LUMINAIRE] FACING IN 4 ADVANCE BALLAST #ICF-2S42-M2-LD WATTS=279  
 [LUMCAT] SI2-E5-4D1 642T/  
 [LAMP CAT] CFM42W/GX24q/835

**SUMMARY DATA**

EFFICIENCY (Total): 78.1 %  
 EFFICIENCY (Downlight): 66.3 %  
 EFFICIENCY (Uplight): 11.7 %  
 CIE CLASSIFICATION: SEMI-DIRECT  
 SPACING CRITERION (0-Deg.): 1.13  
 LUMENS/LAMP: 3200  
 NO. OF LAMPS: 6  
 LUMINOUS OPENING: VERTICAL CYLINDER  
     Diameter: 2.09 (Feet)  
     Height: 1.15  
 INPUT WATTS: 279  
 TER - Task Efficacy (LPW): 37 (BF = 1)  
 TER Category: Cylinder



**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Lamp	% Luminaire
0 - 30	5559.4	29.0	37.1
0 - 40	7959.7	41.5	53.1
0 - 60	10804.5	56.3	72.1
60 - 90	1926.1	10.0	12.9
0 - 90	12730.6	66.3	84.9
90 - 180	2255.8	11.7	15.1
0 - 180	14986.4	78.1	100.0

**AVERAGE LUMINANCE**

(Candelas / Square Meter)

Angle	0
0	18866
45	5843
55	3253
65	2084
75	2133
85	1936

**COEFFICIENT OF UTILIZATION TABLE**

Effective Floor Cavity Reflectance = 20%

Pcc ...	80				70				50			30			10			0
Pw ...	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	.90	.90	.90	.90	.87	.87	.87	.87	.80	.80	.80	.74	.74	.74	.69	.69	.69	.66
1	.83	.79	.76	.73	.79	.76	.74	.71	.71	.69	.67	.66	.64	.63	.61	.60	.59	.56
2	.76	.71	.66	.62	.73	.68	.64	.60	.64	.60	.57	.59	.57	.54	.55	.53	.51	.49
3	.71	.63	.58	.53	.68	.61	.56	.52	.57	.53	.50	.54	.50	.48	.50	.48	.45	.43
4	.66	.57	.51	.47	.63	.56	.50	.46	.52	.48	.44	.49	.45	.42	.46	.43	.40	.39
5	.61	.52	.46	.41	.59	.51	.45	.41	.48	.43	.39	.45	.41	.38	.43	.39	.36	.35
6	.57	.48	.42	.37	.55	.46	.41	.37	.44	.39	.35	.42	.37	.34	.39	.36	.33	.31
7	.53	.44	.38	.34	.51	.43	.37	.33	.40	.36	.32	.38	.34	.31	.37	.33	.30	.29
8	.50	.40	.35	.30	.48	.39	.34	.30	.38	.33	.29	.36	.31	.28	.34	.30	.28	.26
9	.47	.37	.32	.28	.45	.37	.31	.28	.35	.30	.27	.33	.29	.26	.32	.28	.25	.24
10	.44	.35	.29	.26	.43	.34	.29	.25	.33	.28	.25	.31	.27	.24	.30	.26	.23	.22

Reported data calculated from manufacturer's data file, based on IESNA recommended methods.

**Photometric Viewer v3.5**

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## CANDELA TABLE

Vertical Angle	Horizontal Angles
0	6036
5	6289
10	7019
15	7199
20	7114
25	6594
30	5099
35	3751
40	2890
45	2243
50	1727
55	1191
60	824
65	703
70	684
75	636
80	557
85	484
90	455
95	473
100	493
105	497
110	481
115	452
120	410
125	362
130	314
135	267
140	225
145	191
150	162
155	141
160	132
165	127
170	126
175	138
180	153

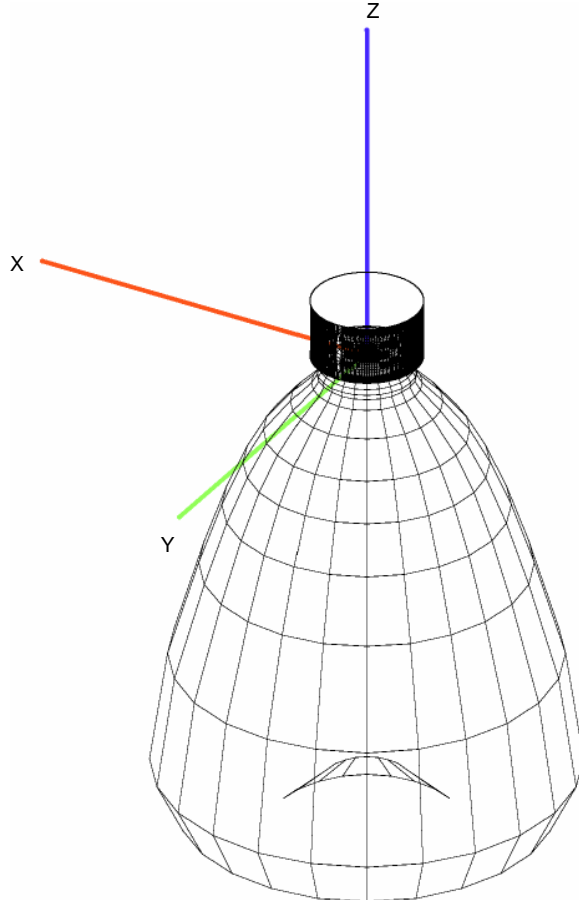
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# Photometric Report

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