

# Photometric Report

CATALOG NUMBER: S12-05-4NI-5-70Q-HD

Tuesday, November 01, 2011

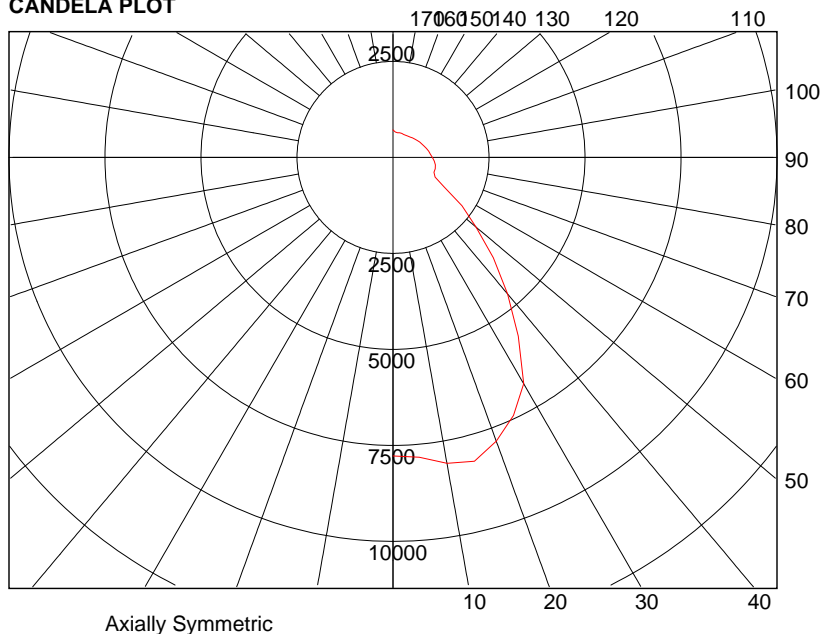
FILENAME: SI2-O5-4D1570Q.IES

IESNA:LM-63-1995  
 [TEST]BALLABS TEST NO. 13340.0 (.96)  
 [MANUFAC] GUTH LIGHTING INC - ST. LOUIS, MISSOURI  
 [LUMINAIRE]5/70W PHILIPS PLT CF LAMP 25"DIA AREA LUMINAIRE  
 [LUMINAIRE] VENTED WHITE FITTER w/ACRYLIC REFRACTOR  
 [LUMINAIRE] ADVANCE BALLASTS #ICF-2S42-90C-M2-L-LD & ICF-2S70-LD WATTS=405 REFL=90%  
 [LUMCAT] S12-05-4NI-5-70Q-HD  
 [LAMPCAT] F70QBX/841/A/ECO

## SUMMARY DATA

EFFICIENCY (Total): 90.4 %  
 EFFICIENCY (Downlight): 70.9 %  
 EFFICIENCY (Uplight): 19.5 %  
 CIE CLASSIFICATION: SEMI-DIRECT  
 SPACING CRITERION (0-Deg.): 1.23  
 LUMENS/LAMP: 5200  
 NO. OF LAMPS: 5  
 LUMINOUS OPENING: VERTICAL CYLINDER  
     Diameter: 2.08 (Feet)  
     Height: 1.10  
 INPUT WATTS: 405  
 LUMEN - Task Efficacy (LPW): 37 (BF = 1)  
 LUMEN Category: Cylinder

## CANDELA PLOT



## ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	6442.6	24.8	27.4
0 - 40	9993.0	38.4	42.5
0 - 60	14788.5	56.9	62.9
60 - 90	3634.9	14.0	15.5
0 - 90	18423.4	70.9	78.4
90 - 180	5075.9	19.5	21.6
0 - 180	23499.3	90.4	100.0

## AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0
0	24559
45	9847
55	6141
65	3699
75	3958
85	4488

## 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	50	30	10	0
RCR																					
0	1.03	1.03	1.03	1.03	.98	.98	.98	.98	.90	.90	.90	.82	.82	.82	.74	.74	.74	.71	.71	.71	.71
1	.93	.89	.85	.81	.89	.85	.82	.78	.78	.75	.72	.71	.69	.67	.65	.63	.61	.61	.58	.58	.58
2	.86	.78	.72	.68	.81	.75	.70	.65	.69	.64	.61	.63	.60	.57	.58	.55	.53	.53	.50	.50	.50
3	.79	.70	.63	.57	.75	.67	.61	.56	.61	.56	.52	.56	.52	.49	.52	.48	.46	.46	.43	.43	.43
4	.72	.62	.55	.49	.69	.60	.53	.48	.55	.50	.45	.51	.46	.43	.47	.43	.40	.40	.38	.38	.38
5	.67	.56	.49	.43	.64	.54	.47	.42	.50	.44	.40	.46	.42	.38	.43	.39	.36	.36	.33	.33	.33
6	.62	.51	.44	.38	.59	.49	.42	.37	.46	.40	.36	.42	.37	.34	.39	.35	.32	.32	.30	.30	.30
7	.58	.47	.39	.34	.55	.45	.38	.33	.42	.36	.32	.39	.34	.30	.36	.32	.29	.29	.27	.27	.27
8	.54	.43	.36	.31	.52	.41	.35	.30	.39	.33	.29	.36	.31	.27	.34	.29	.26	.26	.24	.24	.24
9	.51	.39	.32	.28	.48	.38	.32	.27	.36	.30	.26	.33	.28	.25	.31	.27	.24	.24	.22	.22	.22
10	.48	.36	.30	.25	.45	.35	.29	.25	.33	.28	.24	.31	.26	.23	.29	.25	.22	.22	.20	.20	.20

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

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## CANDELA TABLE

Vertical Angle	Horizontal Angles
0	7775
5	7841
10	8089
15	8192
20	7864
25	7415
30	6806
35	5682
40	4640
45	3692
50	2817
55	2190
60	1535
65	1211
70	1136
75	1141
80	1121
85	1079
90	1024
95	974
100	940
105	902
110	862
115	829
120	800
125	769
130	742
135	716
140	692
145	676
150	664
155	659
160	666
165	664
170	652
175	664
180	715

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Photometric Viewer v3.5