

Photometric Report

CATALOG NUMBER: SI2-E5-4D1842T/

Tuesday, November 01, 2011

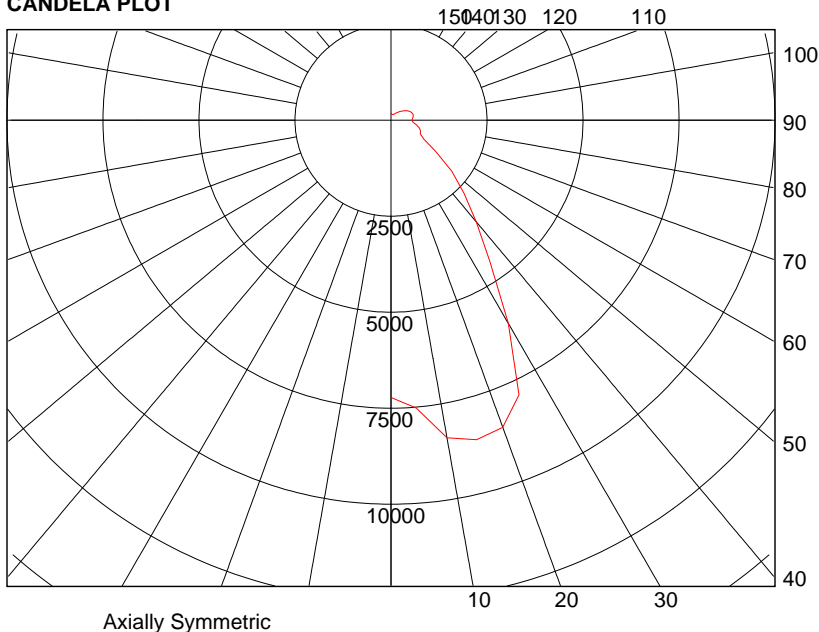
FILENAME: SI2-E5-4D1842T.IES

aESNA:LM-63-1995
 [TEST]BALLABS TEST NO. 12929.0 .90
 [MANUFAC] GUTH LIGHTING INC - ST. LOUIS, MISSOURI
 [LUMINAIRE] 8/42W 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=389
 [LUMCAT] SI2-E5-4D1842T/
 [LAMPCAT] CFM42W/GX24q/835

SUMMARY DATA

EFFICIENCY (Total): 70.0 %
 EFFICIENCY (Downlight): 59.5 %
 EFFICIENCY (Uplight): 10.5 %
 CIE CLASSIFICATION: SEMI-DIRECT
 SPACING CRITERION (0-Deg.): 1.13
 LUMENS/LAMP: 3200
 NO. OF LAMPS: 8
 LUMINOUS OPENING: VERTICAL CYLINDER
 Diameter: 2.09 (Feet)
 Height: 1.15
 INPUT WATTS: 389
 R - Task Efficacy (LPW): 32 (BF = 1)
 R - Category: Cylinder

CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	6652.1	26.0	37.1
0 - 40	9524.1	37.2	53.1
0 - 60	12927.8	50.5	72.1
60 - 90	2304.7	9.0	12.9
0 - 90	15232.5	59.5	84.9
90 - 180	2700.2	10.5	15.1
0 - 180	17932.7	70.0	100.0

AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0
0	22576
45	6992
55	3892
65	2494
75	2552
85	2316

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	.81	.81	.81	.81	.78	.78	.78	.78	.72	.72	.72	.67	.67	.67	.62	.62	.62	.60			
1	.74	.71	.68	.66	.71	.69	.66	.64	.64	.62	.60	.59	.58	.56	.55	.54	.53	.51			
2	.68	.63	.59	.56	.66	.61	.57	.54	.57	.54	.51	.53	.51	.49	.50	.48	.46	.44			
3	.63	.57	.52	.48	.61	.55	.51	.47	.52	.48	.45	.48	.45	.43	.45	.43	.41	.39			
4	.59	.51	.46	.42	.56	.50	.45	.41	.47	.43	.39	.44	.41	.38	.41	.39	.36	.35			
5	.55	.47	.41	.37	.53	.45	.40	.37	.43	.39	.35	.40	.37	.34	.38	.35	.33	.31			
6	.51	.43	.37	.33	.49	.42	.37	.33	.39	.35	.32	.37	.34	.31	.35	.32	.30	.28			
7	.48	.39	.34	.30	.46	.38	.33	.30	.36	.32	.29	.34	.31	.28	.33	.29	.27	.26			
8	.45	.36	.31	.27	.43	.35	.30	.27	.34	.29	.26	.32	.28	.25	.31	.27	.25	.23			
9	.42	.34	.28	.25	.41	.33	.28	.25	.31	.27	.24	.30	.26	.23	.28	.25	.23	.22			
10	.40	.31	.26	.23	.38	.31	.26	.23	.29	.25	.22	.28	.24	.22	.27	.23	.21	.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	7223
5	7525
10	8399
15	8614
20	8512
25	7890
30	6101
35	4488
40	3458
45	2684
50	2066
55	1425
60	986
65	841
70	819
75	761
80	666
85	579
90	545
95	566
100	590
105	595
110	576
115	541
120	491
125	433
130	375
135	320
140	269
145	229
150	194
155	169
160	158
165	152
170	151
175	166
180	183

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Photometric Viewer v3.5