

Photometric Report

CATALOG NUMBER: EHB-GC-250W

Monday, October 12, 2009

FILENAME: EHB-GC-250W.IES

IESNA91
[TEST] UM-TCAUP_ESLL
[MANUFAC] FULL SPECTRUM SOLUTIONS - JACKSON, MI, USA
[LUMINAIRE] 250W GUMDROP
[DISTRIBUTION] SC 1.7
[LUMCAT] EHB-GC-250W
[LAMP] 1; 250W INDUCTION
[LAMPCAT] INDUCTION
[OTHER] HOUSING: CAST BALLAST HOUSING ACRYLIC COVER
[MORE] REFL: ANODIZED ALUM
[MORE] LENS: PRISMATIC MOLDED ACRYLIC

SUMMARY DATA

EFFICIENCY (Total): 90.9 %
EFFICIENCY (Downlight): 84.7 %
EFFICIENCY (Uplight): 6.2 %
CIE CLASSIFICATION: DIRECT
SPACING CRITERION (0-Deg.): 1.71
LUMENS/LAMP: 21000
NO. OF LAMPS: 1
LUMINOUS OPENING: VERTICAL CYLINDER
Diameter: 2.10 (Feet)
Height: 1.30
INPUT WATTS: 263

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	4685.5	22.3	24.5
0 - 40	7985.9	38.0	41.8
0 - 60	15464.9	73.6	81.0
60 - 90	2320.3	11.0	12.2
0 - 90	17785.2	84.7	93.2
90 - 180	1305.4	6.2	6.8
0 - 180	19090.6	90.9	100.0

AVERAGE LUMINANCE

(Candelas / Square Meter)

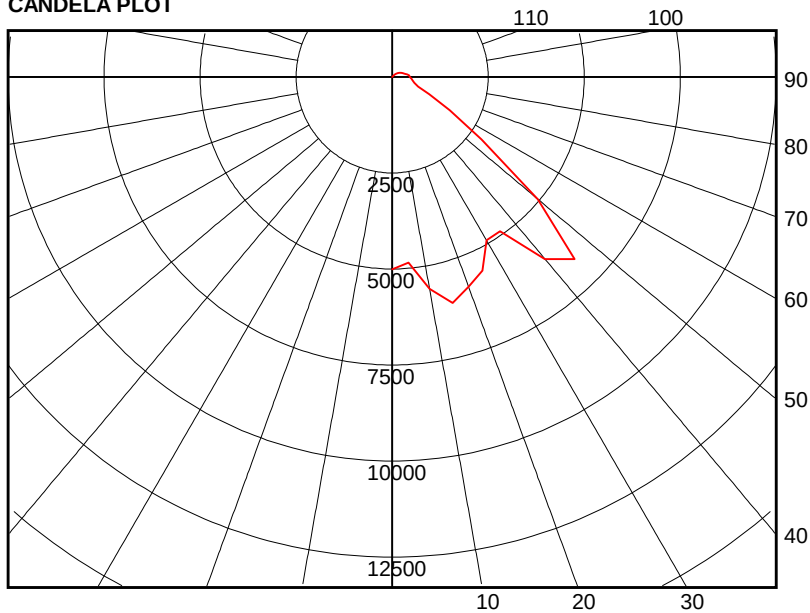
Angle	0
0	15572
45	16496
55	7232
65	2910
75	1810
85	1773

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	1.07	1.07	1.07	1.07	1.04	1.04	1.04	1.04	.98	.98	.98	.92	.92	.92	.87	.87	.87	.85
1	.98	.94	.90	.87	.95	.91	.88	.85	.86	.83	.81	.82	.79	.77	.77	.76	.74	.72
2	.90	.83	.77	.72	.87	.80	.75	.71	.76	.72	.68	.72	.69	.66	.69	.66	.63	.61
3	.82	.73	.66	.60	.79	.71	.65	.59	.68	.62	.58	.64	.60	.56	.61	.57	.54	.52
4	.75	.65	.57	.51	.73	.63	.56	.51	.60	.54	.49	.57	.52	.48	.55	.50	.47	.45
5	.69	.58	.50	.44	.67	.57	.49	.44	.54	.48	.43	.52	.46	.42	.49	.45	.41	.39
6	.64	.52	.44	.39	.62	.51	.43	.38	.49	.42	.37	.47	.41	.37	.45	.40	.36	.34
7	.59	.47	.39	.34	.57	.46	.39	.34	.44	.38	.33	.42	.36	.32	.41	.35	.32	.30
8	.55	.43	.35	.30	.53	.42	.35	.30	.40	.34	.29	.39	.33	.29	.37	.32	.28	.26
9	.51	.39	.32	.27	.49	.38	.31	.26	.37	.30	.26	.35	.30	.26	.34	.29	.25	.23
10	.48	.36	.29	.24	.46	.35	.28	.24	.34	.28	.23	.33	.27	.23	.31	.26	.23	.21

CANDELA PLOT



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

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CANDELA TABLE

Vertical Angle	Horizontal Angles <u>0</u>
0	5011
5	4857
10	5605
15	6090
20	5813
25	5563
30	4912
35	4899
40	6187
45	<u>6712</u>
50	4954
55	2837
60	1730
65	1065
70	720
75	594
80	540
85	498
90	462
95	441
100	399
105	336
110	294
115	252
120	210
125	168
130	126
135	84
140	21
145	0
150	0
155	0
160	0
165	0
170	0
175	0
180	0

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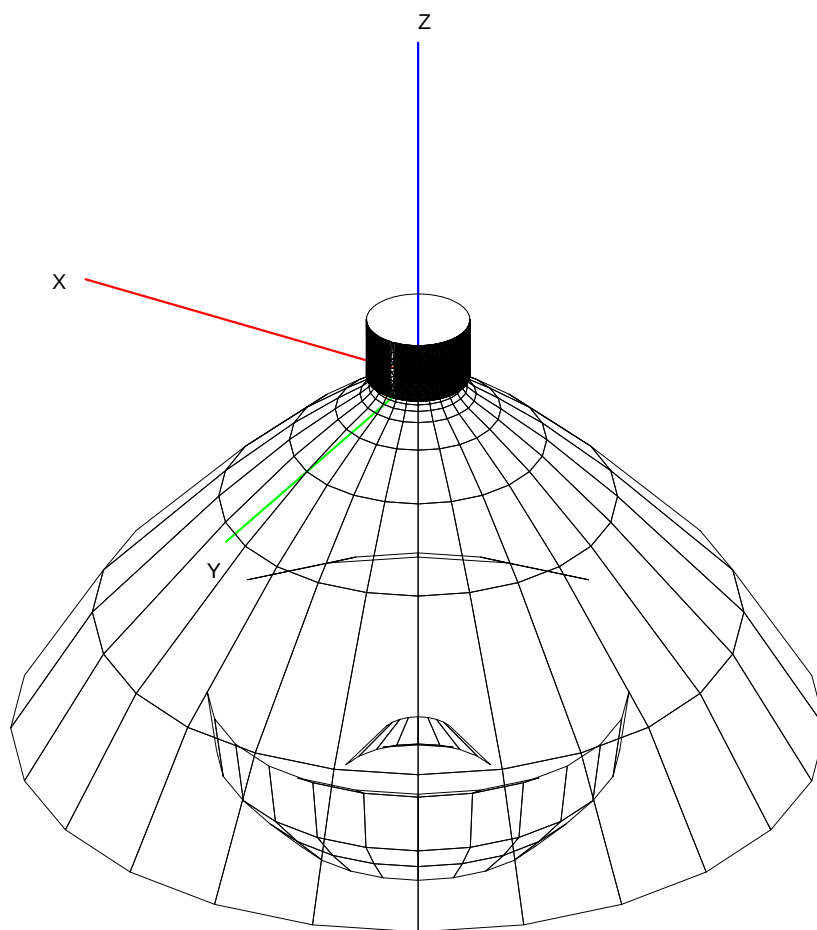
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