

Photometric Report

CATALOG NUMBER: EHB-ED-100W

Monday, October 12, 2009

FILENAME: EHB-ED-100W.IES

EHB-ED-100W
IESNA:LM-63-2001
[MANUFAC] FULL SPECTRUM SOLUTIONS - JACKSON, MI, USA
[LUMINAIRE] 100W IP65 HIGH BAY
[LUMCAT] EHB-ED-100W
[LAMP] 1; 100W INDUCTION
[LAMPCAT] INDUCTION
[OTHER] HOUSING: EXTRUDED ALUMINUM
[MORE] REFL: ANODIZED ALUM
[MORE] LENS: TEMPERED GLASS

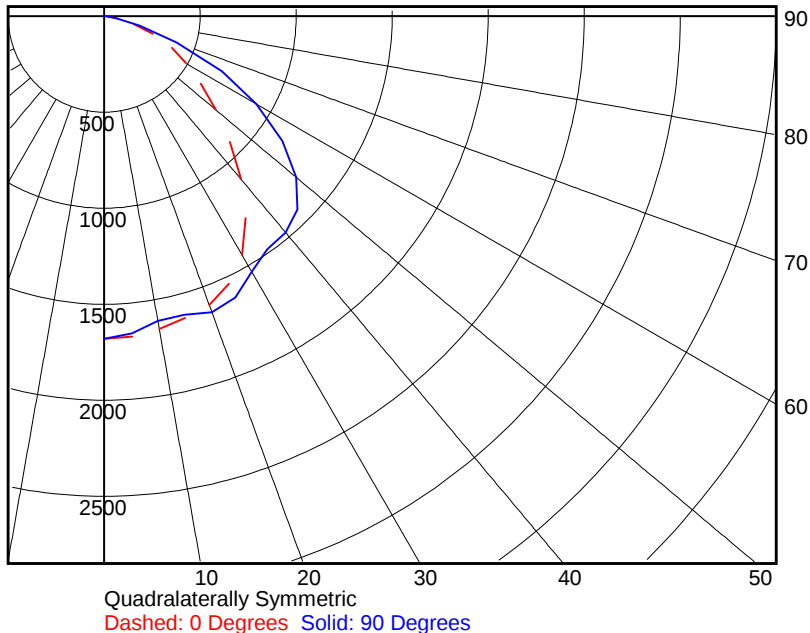
SUMMARY DATA

EFFICIENCY (Total): 60.6 %
EFFICIENCY (Downlight): 60.6 %
EFFICIENCY (Uplight): 0.0 %
CIE CLASSIFICATION: DIRECT
SPACING CRITERION (0-Deg.): 1.25
SPACING CRITERION (90-Deg.): 1.36
LUMENS/LAMP: 8400
NO. OF LAMPS: 1
LUMINOUS OPENING: RECTANGULAR
Width: 0.45 (Meters)
Length: 0.32
Height: 0.13
INPUT WATTS: 105

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	1370.7	16.3	26.9
0 - 40	2310.3	27.5	45.3
0 - 60	4207.8	50.1	82.6
60 - 90	886.5	10.6	17.4
0 - 90	5094.4	60.6	100.0
90 - 180	0.0	0.0	0.0
0 - 180	5094.4	60.6	100.0

CANDELA PLOT



AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	45	90
0	11667	11667	11667
45	6471	9502	10849
55	4705	8061	9705
65	3415	5960	6869
75	1711	2330	2494
85	237	202	187

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	.72	.72	.72	.72	.71	.71	.71	.71	.67	.67	.67	.65	.65	.65	.62	.62	.62	.61
1	.66	.64	.61	.59	.65	.62	.60	.58	.60	.58	.56	.57	.56	.55	.55	.54	.53	.52
2	.61	.56	.52	.48	.59	.55	.51	.48	.52	.49	.47	.50	.48	.46	.49	.47	.45	.43
3	.55	.49	.44	.40	.54	.48	.44	.40	.46	.42	.39	.45	.41	.39	.43	.40	.38	.37
4	.50	.43	.38	.34	.49	.43	.38	.34	.41	.37	.33	.40	.36	.33	.38	.35	.32	.31
5	.46	.39	.33	.29	.45	.38	.33	.29	.37	.32	.29	.35	.32	.28	.34	.31	.28	.27
6	.43	.35	.29	.25	.42	.34	.29	.25	.33	.28	.25	.32	.28	.25	.31	.27	.25	.23
7	.40	.31	.26	.22	.39	.31	.26	.22	.30	.25	.22	.29	.25	.22	.28	.25	.22	.21
8	.37	.29	.23	.20	.36	.28	.23	.20	.27	.23	.20	.27	.23	.20	.26	.22	.19	.18
9	.34	.26	.21	.18	.33	.26	.21	.18	.25	.21	.18	.24	.20	.18	.24	.20	.17	.16
10	.32	.24	.19	.16	.31	.24	.19	.16	.23	.19	.16	.23	.19	.16	.22	.18	.16	.15

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

Photometric Viewer v3.4

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CANDELA TABLE

Vertical Angle	Horizontal Angles		
	0	45	90
0	1680	1680	1680
5	1675	1680	1658
10	1654	1646	1610
15	1628	1634	1610
20	1601	1667	1641
25	1537	1687	1616
30	1436	1665	1538
35	1284	1620	1481
40	1108	1550	1471
45	927	1443	1424
50	759	1297	1305
55	614	1133	1132
60	492	953	916
65	389	745	677
70	270	475	401
75	160	246	193
80	68	86	60
85	17	17	10
90	2	2	1

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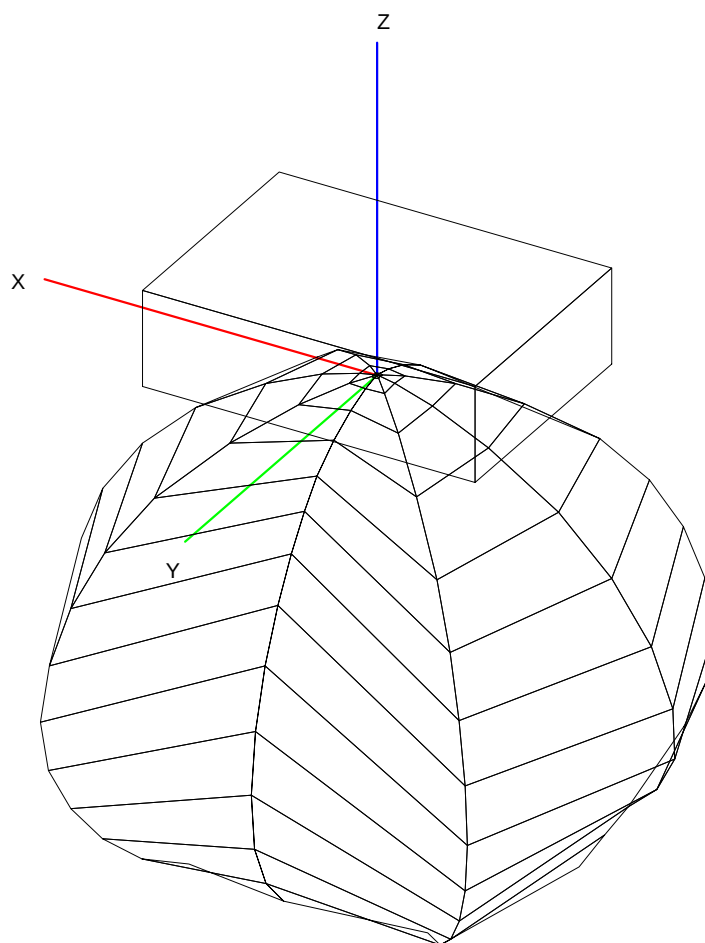
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