

Photometric Report

CATALOG NUMBER: EHB-OD-400W

Monday, October 12, 2009

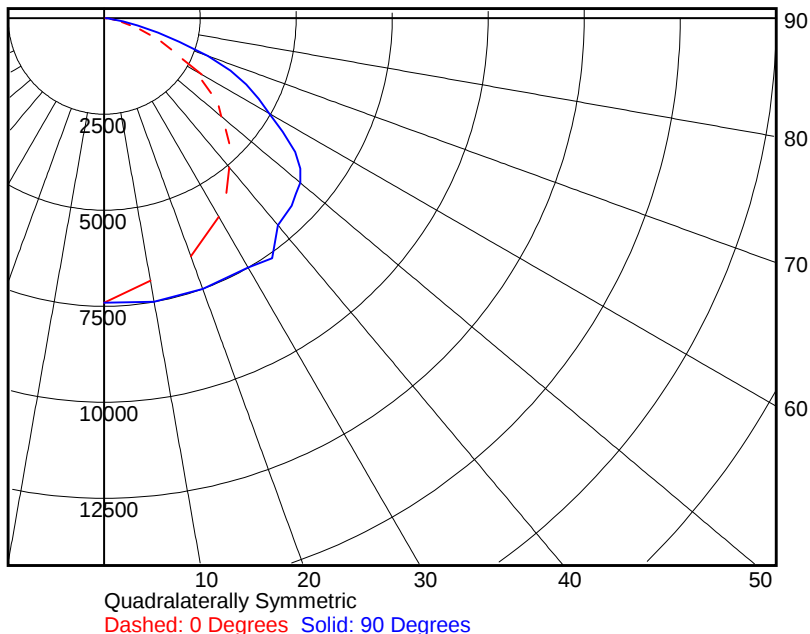
FILENAME: EHB-OD-400W.IES

EHB-OD-400W
IESNA:LM-63-2001
[TESTLAB] SALT
[MANUFAC] FULL SPECTRUM SOLUTIONS - JACKSON, MI, USA
[LUMINAIRE] 400W OPEN HIGH BAY
[LUMCAT] EHB-OD-400W
[LAMP] 1; 400W INDUCTION
[LAMPCAT] INDUCTION
[OTHER] HOUSING: EXTRUDED ALUMINUM
[MORE] REFL: ANODIZED ALUM
[MORE] LENS: NONE

SUMMARY DATA

EFFICIENCY (Total): 73.4 %
EFFICIENCY (Downlight): 73.4 %
EFFICIENCY (Uplight): 0.0 %
CIE CLASSIFICATION: DIRECT
SPACING CRITERION (0-Deg.): 1.21
SPACING CRITERION (90-Deg.): 1.53
LUMENS/LAMP: 33600
NO. OF LAMPS: 1
LUMINOUS OPENING: RECTANGULAR
Width: 1.15 (Meters)
Length: 0.32
Height: 0.13
INPUT WATTS: 440

CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	6187.3	18.4	25.1
0 - 40	10554.6	31.4	42.8
0 - 60	19663.2	58.5	79.7
60 - 90	4996.9	14.9	20.3
0 - 90	24660.1	73.4	100.0
90 - 180	0.0	0.0	0.0
0 - 180	24660.1	73.4	100.0

AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	15	25	35	45	60	90
0	20123	20123	20123	20123	20123	20123	20123
45	12589	14459	15667	17822	17935	18827	23852
55	10175	12091	14250	14407	16290	18636	24766
65	6650	9417	10391	12699	14238	15597	21110
75	2930	5017	6745	7527	7292	8340	10668
85	427	1116	1019	2267	685	849	1554

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	.87	.87	.87	.87	.85	.85	.85	.85	.82	.82	.82	.78	.78	.78	.75	.75	.75	.73
1	.80	.77	.74	.71	.78	.75	.72	.70	.72	.70	.67	.69	.67	.65	.66	.65	.63	.62
2	.73	.67	.62	.57	.71	.65	.61	.57	.63	.59	.55	.60	.57	.54	.58	.55	.53	.51
3	.66	.58	.52	.47	.64	.57	.51	.47	.55	.50	.46	.53	.49	.45	.51	.48	.45	.43
4	.60	.51	.45	.40	.59	.50	.44	.40	.49	.43	.39	.47	.42	.38	.45	.41	.38	.36
5	.55	.46	.39	.34	.54	.45	.39	.34	.43	.38	.33	.42	.37	.33	.40	.36	.33	.31
6	.51	.41	.34	.29	.49	.40	.34	.29	.39	.33	.29	.38	.33	.29	.36	.32	.29	.27
7	.47	.37	.30	.26	.46	.36	.30	.26	.35	.30	.26	.34	.29	.25	.33	.29	.25	.24
8	.44	.34	.27	.23	.43	.33	.27	.23	.32	.27	.23	.31	.26	.23	.30	.26	.22	.21
9	.41	.31	.25	.20	.40	.30	.24	.20	.29	.24	.20	.29	.24	.20	.28	.23	.20	.19
10	.38	.28	.22	.18	.37	.28	.22	.18	.27	.22	.18	.26	.22	.18	.26	.21	.18	.17

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

Photometric Viewer v3.4

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CANDELA TABLE

Vertical	Horizontal Angles											
Angle	0	5	15	20	25	30	35	40	45	50	60	75
0	7405	7405	7405	7405	7405	7405	7405	7405	7405	7405	7405	7405
10	6942	7029	7184	7335	7500	7500	7500	7500	7500	7500	7500	7500
20	6596	6780	7100	7379	7500	7500	7500	7500	7500	7500	7500	7500
30	5974	6270	6801	6824	7150	7177	7483	7584	7500	7500	7500	7500
35	5551	5917	6424	6354	6750	6720	7254	7365	7500	7500	7500	7500
40	5074	5477	5940	5809	6256	6408	6989	7009	7288	6895	7116	6764
45	4607	4966	5349	5238	5772	5712	6481	6115	6381	6078	6374	6555
47.5	4297	4691	5047	4966	5537	5672	6108	5641	5940	5904	6246	6411
50	3985	4442	4771	4724	5285	5312	5638	5268	5611	5725	6085	6229
52.5	3763	4140	4439	4435	5094	4899	5154	5030	5420	5507	5867	6051
55	3394	3763	4089	4247	4795	4432	4768	4808	5242	5252	5625	5652
57.5	3024	3407	3854	3935	4355	4069	4459	4536	4980	4996	5389	5161
60	2933	3014	3471	3572	3958	3733	4197	4338	4697	4539	4963	4543
62.5	2305	2617	3125	3101	3437	3427	4032	3995	4324	4123	4479	4257
65	1935	2228	2789	2611	3058	3084	3659	3498	3958	3552	3992	3777
67.5	1599	1845	2419	2140	2708	2712	3283	2930	3340	3058	3518	3152
70	1267	1525	2060	1818	2379	2288	2802	2443	2832	2544	2994	2483
72.5	974	1200	1640	1512	1996	1824	2244	1976	2386	1925	2376	1734
75	702	894	1230	1173	1640	1384	1781	1448	1646	1290	1687	1119
77.5	474	618	900	843	1213	974	1357	894	1230	743	1045	635
80	292	376	642	524	820	548	847	437	692	380	598	323
82.5	165	205	410	272	477	225	400	178	316	134	279	144
85	77	94	208	91	188	81	403	77	114	77	121	81
87.5	34	34	71	37	57	40	403	44	64	47	67	54
90	24	27	30	30	34	30	37	34	40	37	40	37

Vertical Horizontal Angles

<u>Angle</u>	<u>90</u>
0	7405
10	7500
20	7500
30	7500
35	<u>7624</u>
40	7032
45	6908
47.5	6774
50	6663
52.5	6441
55	6072
57.5	5510
60	4963
62.5	4539
65	4079
67.5	3565
70	2869
72.5	2050
75	1445
77.5	894
80	501
82.5	192
85	114
87.5	77
90	44

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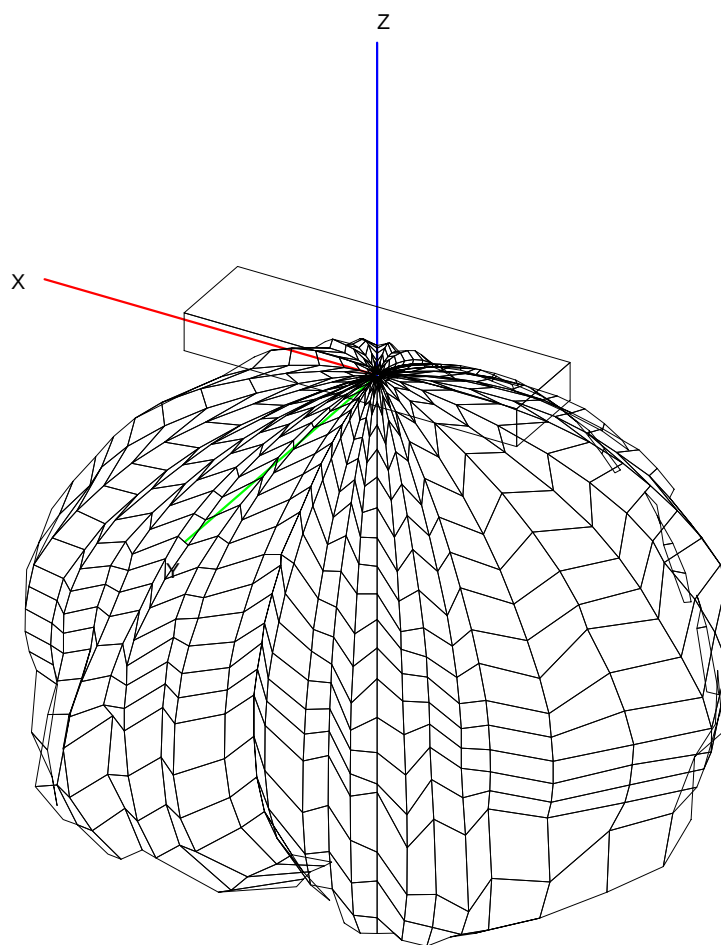
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