

Photometric Report

CATALOG NUMBER: AR618-4-BW-T8

Monday, December 03, 2012

FILENAME: AR618-4-BW-T8 LTL#101080.IES

IESNA:LM-63-2002
[TEST] LTL 01080
[TESTLAB] LUMINAIRE TESTING LABORATORY
[ISSUEDATE] 01/18/2011
[MANUFAC] PRECISION ARCHITECTURAL LIGHTING
[LUMCAT] AR618-4-BW-T8
[LUMINAIRE] ROUND LINEAR EXTRUDED ALUMINUM
[MORE] HOUSING WITH WHITE ENAMEL REFLECTORENAMEL
[MORE] AND WHITE COATED RADIAL BAFFLE;
[MORE] LUMINOUS OPENING 110 DEGREES
[LAMP] THREE 32 WATT T8
[LAMPCAT] OSRAM/SYLVANIA FO32/830/ECO
[BALLAST] MAGNETEK UNIVERSAL 748-L-SLH-TC-P & 749-L-SLH-TC-P

SUMMARY DATA

EFFICIENCY (Total): 56.9 %
EFFICIENCY (Downlight): 55.8 %
EFFICIENCY (Uplight): 1.2 %
CIE CLASSIFICATION: DIRECT
SPACING CRITERION (0-Deg.): 0.96
SPACING CRITERION (90-Deg.): 1.29
LUMENS/LAMP: 2950
NO. OF LAMPS: 3
LUMINOUS OPENING: RECTANGULAR
Width: 0.42 (Feet)
Length: 4.00
Height: 0.15
INPUT WATTS: 104

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	1603.2	18.1	31.8
0 - 40	2516.1	28.4	49.9
0 - 60	4046.1	45.7	80.3
60 - 90	888.4	10.0	17.6
0 - 90	4934.5	55.8	97.9
90 - 180	104.6	1.2	2.1
0 - 180	5039.1	56.9	100.0

AVERAGE LUMINANCE

(Candelas / Square Meter)

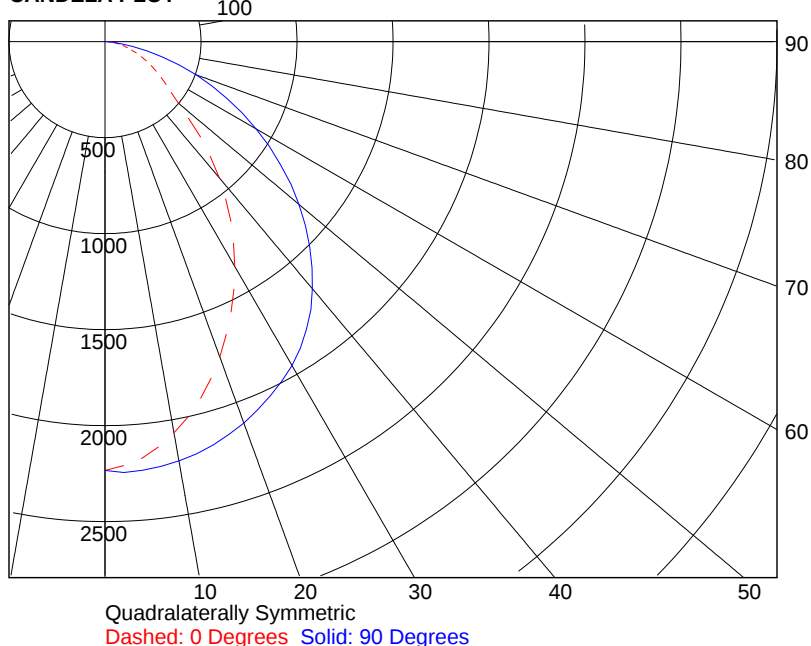
Angle	0	22.5	45	67.5	90
0	14313	14313	14313	14313	14313
45	6139	6413	7819	9195	10065
55	4120	4501	6240	7518	8247
65	3326	3417	4766	5766	6026
75	2629	2611	3577	4067	3303
85	1518	1997	2624	2470	692

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	.68	.68	.68	.68	.66	.66	.66	.66	.63	.63	.63	.60	.60	.60	.57	.57	.57	.56
1	.62	.59	.57	.55	.60	.58	.56	.54	.55	.53	.52	.53	.51	.50	.51	.49	.48	.47
2	.57	.52	.48	.45	.55	.51	.48	.45	.49	.46	.43	.47	.44	.42	.45	.43	.41	.40
3	.52	.46	.42	.38	.50	.45	.41	.38	.43	.40	.37	.42	.39	.36	.40	.38	.35	.34
4	.48	.41	.37	.33	.46	.40	.36	.33	.39	.35	.32	.37	.34	.31	.36	.33	.31	.30
5	.44	.37	.32	.29	.43	.36	.32	.28	.35	.31	.28	.34	.30	.28	.33	.30	.27	.26
6	.41	.34	.29	.25	.40	.33	.28	.25	.32	.28	.25	.31	.27	.25	.30	.27	.24	.23
7	.38	.31	.26	.23	.37	.30	.26	.22	.29	.25	.22	.28	.25	.22	.27	.24	.22	.21
8	.36	.28	.23	.20	.35	.28	.23	.20	.27	.23	.20	.26	.22	.20	.25	.22	.20	.19
9	.33	.26	.21	.18	.32	.26	.21	.18	.25	.21	.18	.24	.21	.18	.23	.20	.18	.17
10	.31	.24	.20	.17	.31	.24	.20	.17	.23	.19	.17	.22	.19	.16	.22	.19	.16	.15

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>	<u>22.5</u>	<u>45</u>	<u>67.5</u>	<u>90</u>
0	2234	2234	2234	2234	2234
2.5	2210	2221	2228	2238	2246
5	2180	2194	2210	2229	2241
7.5	2130	2155	2183	2215	2232
10	2069	2102	2144	2192	2218
12.5	2002	2039	2099	2165	2199
15	1923	1970	2044	2131	2175
17.5	1838	1891	1984	2089	2145
20	1748	1807	1914	2044	2114
22.5	1651	1716	1840	1993	2076
25	1552	1624	1764	1940	2037
27.5	1454	1527	1684	1883	1994
30	1351	1431	1604	1826	1948
32.5	1245	1334	1523	1763	1893
35	1142	1231	1442	1693	1829
37.5	1032	1131	1358	1616	1761
40	927	1027	1275	1536	1680
42.5	811	928	1189	1452	1596
45	703	829	1104	1364	1508
47.5	590	731	1022	1273	1415
50	499	648	941	1186	1318
52.5	435	568	859	1095	1221
55	389	501	781	1004	1115
57.5	347	445	705	914	1014
60	308	394	634	827	907
62.5	272	349	568	743	806
65	237	308	503	661	702
67.5	204	270	441	585	604
70	174	236	387	518	507
72.5	145	202	339	445	406
75	121	173	295	375	311
77.5	96	144	251	308	224
80	73	121	211	250	145
82.5	51	100	177	201	87
85	29	80	150	166	48
87.5	10	63	129	140	19
90	0	50	113	126	7
92.5	0	40	99	117	5
95	0	31	84	105	4
97.5	0	23	72	90	3
100	0	17	61	75	3
102.5	0	13	51	63	2
105	0	9	42	51	2
107.5	0	6	34	41	2
110	0	5	26	32	2
112.5	0	4	21	24	2
115	0	3	15	18	1
117.5	0	2	11	13	0
120	0	2	8	9	0
122.5	0	0	5	7	0
125	0	0	4	5	0
180	0	0	0	0	0

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