

Photometric Report

CATALOG NUMBER: AR618-4-X-LP-X-X-T8

Monday, December 03, 2012

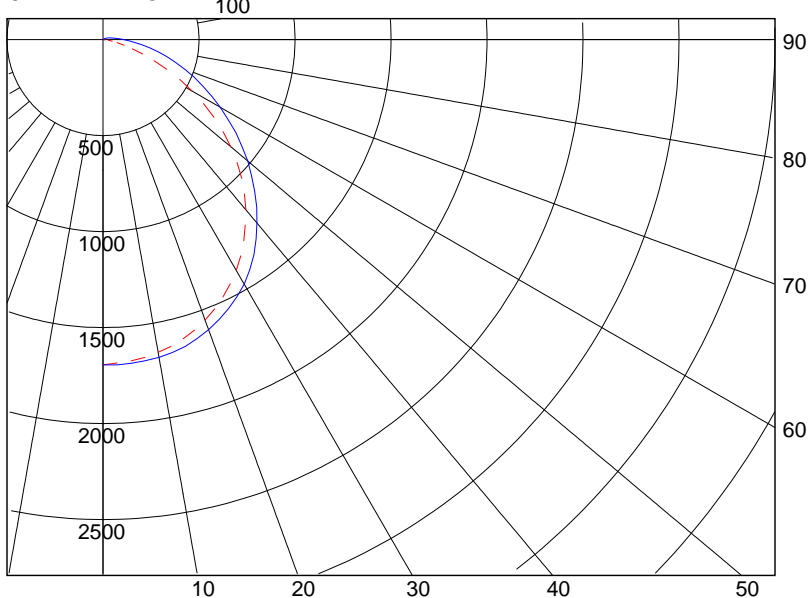
FILENAME: AR618-4-LP-T8 LTL#101079.IES

IESNA:LM-63-2002
 [TEST] LTL101079
 [MANUFAC] PRECISION ARCHITECTURAL LIGHTING
 [LUMCAT] AR618-4-X-LP-X-X-T8
 [LUMINAIRE] EXTRUDED ALUMINUM HOUSING WITH CAST ALUMINUM
 [MORE] END CAPS AND HIGH REFLECTANCE WHITE ENAMEL ALUMINUM
 [MORE] REFLECTOR WITH LINEAR PRISMATIC ACRYLIC LENS
 [LAMP] THREE PHILIPS F32T8/TL830/XLL/ALTO RATED 2950 LUMENS EACH

SUMMARY DATA

EFFICIENCY (Total): 53.9 %
 EFFICIENCY (Downlight): 52.8 %
 EFFICIENCY (Uplight): 1.1 %
 CIE CLASSIFICATION: DIRECT
 SPACING CRITERION (0-Deg.): 1.22
 SPACING CRITERION (90-Deg.): 1.28
 LUMENS/LAMP: 2950
 NO. OF LAMPS: 3
 LUMINOUS OPENING: RECTANGULAR
 Width: 0.42 (Feet)
 Length: 4.00
 Height: 0.15
 INPUT WATTS: 86.2

CANDELA PLOT



Quadrilaterally Symmetric
 Dashed: 0 Degrees Solid: 90 Degrees

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	1323.3	15.0	27.7
0 - 40	2159.4	24.4	45.3
0 - 60	3711.6	41.9	77.8
60 - 90	959.6	10.8	20.1
0 - 90	4671.2	52.8	97.9
90 - 180	100.3	1.1	2.1
0 - 180	4771.5	53.9	100.0

AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	10858	10858	10858	10858	10858
45	8920	8231	7819	7535	7464
55	7485	6765	6541	6322	6253
65	5124	4996	5258	5021	4925
75	2474	3349	4095	3769	3659
85	628	2149	3052	2561	2398

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	.64	.64	.64	.64	.62	.62	.62	.62	.59	.59	.59	.57	.57	.57	.54	.54	.54	.53
1	.58	.56	.53	.51	.57	.54	.52	.50	.52	.50	.48	.49	.48	.47	.47	.46	.45	.44
2	.53	.49	.45	.42	.52	.47	.44	.41	.45	.43	.40	.43	.41	.39	.42	.40	.38	.37
3	.48	.43	.38	.35	.47	.42	.38	.34	.40	.37	.34	.38	.35	.33	.37	.34	.32	.31
4	.44	.38	.33	.30	.43	.37	.33	.29	.36	.32	.29	.34	.31	.28	.33	.30	.28	.27
5	.41	.34	.29	.26	.40	.33	.29	.25	.32	.28	.25	.31	.27	.25	.30	.27	.24	.23
6	.38	.31	.26	.22	.37	.30	.26	.22	.29	.25	.22	.28	.24	.22	.27	.24	.21	.20
7	.35	.28	.23	.20	.34	.27	.23	.20	.26	.22	.19	.26	.22	.19	.25	.21	.19	.18
8	.33	.25	.21	.18	.32	.25	.21	.18	.24	.20	.17	.23	.20	.17	.23	.19	.17	.16
9	.30	.23	.19	.16	.30	.23	.19	.16	.22	.18	.16	.22	.18	.16	.21	.18	.15	.14
10	.29	.22	.17	.14	.28	.21	.17	.14	.21	.17	.14	.20	.17	.14	.19	.16	.14	.13

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	1695	1695	1695	1695	1695
2.5	1686	1692	1693	1697	1696
5	1679	1686	1689	1694	1693
7.5	1669	1677	1679	1687	1687
10	1654	1663	1669	1680	1680
12.5	1637	1646	1658	1667	1669
15	1613	1625	1641	1653	1655
17.5	1586	1599	1618	1634	1633
20	1554	1573	1593	1605	1607
22.5	1519	1540	1563	1576	1579
25	1479	1506	1525	1543	1546
27.5	1434	1463	1487	1507	1510
30	1388	1418	1444	1467	1471
32.5	1336	1369	1399	1420	1422
35	1279	1315	1349	1369	1369
37.5	1218	1259	1294	1311	1309
40	1158	1195	1233	1248	1247
42.5	1090	1133	1171	1185	1185
45	1021	1064	1104	1118	1118
47.5	947	989	1038	1049	1049
50	870	914	965	982	985
52.5	788	835	892	914	912
55	706	754	819	844	845
57.5	621	674	751	774	771
60	535	597	682	705	706
62.5	451	523	618	641	638
65	365	451	554	576	574
67.5	288	383	497	516	515
70	220	323	439	458	454
72.5	161	269	387	401	397
75	114	222	338	348	345
77.5	75	178	290	299	295
80	49	142	247	253	246
82.5	27	112	210	212	203
85	12	86	174	172	166
87.5	3	66	141	139	134
90	0	49	113	112	108
92.5	0	35	88	91	87
95	0	23	69	72	71
97.5	0	16	54	59	58
100	0	10	42	48	48
102.5	0	6	32	39	39
105	0	5	25	33	34
107.5	0	5	19	27	28
110	0	4	15	21	23
112.5	0	5	13	18	20
115	0	4	10	15	16
117.5	0	4	8	12	13
120	0	4	8	10	11
122.5	0	4	7	8	9
125	0	3	7	8	8
127.5	0	2	5	6	6
130	0	2	5	6	5
180	0	0	0	0	0

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