

Photometric Report

CATALOG NUMBER: AR601-4-X-LP-X-X-T8

Monday, December 03, 2012

FILENAME: AR601-4-LP-T8 LTL#100229.IES

IESNA:LM-63-2002
 [TEST] LTL100229
 [MANUFAC] PRECISION ARCHITECTURAL LIGHTING
 [LUMCAT] AR601-4-X-LP-X-X-T8
 [LUMINAIRE] EXTRUDED ALUMINUM HOUSING WITH CAST ALUMINUM
 [MORE] END CAPS AND HIGH REFLECTANCE WHITE ENAMEL ALUMINUM
 [MORE] REFLECTORS WITH LINEAR PRISMATIC ACRYLIC LENS A
 [LAMP] ONE PHILIPS F32T8/TL830/XLL/ALTO RATED 2950 LUMENS EACH

SUMMARY DATA

EFFICIENCY (Total): 61.7 %
 EFFICIENCY (Downlight): 60.1 %
 EFFICIENCY (Uplight): 1.6 %
 CIE CLASSIFICATION: DIRECT
 SPACING CRITERION (0-Deg.): 1.23
 SPACING CRITERION (90-Deg.): 1.42
 LUMENS/LAMP: 2950
 NO. OF LAMPS: 1
 LUMINOUS OPENING: RECTANGULAR
 Width: 0.50 (Feet)
 Length: 4.00
 Height: 0.20
 INPUT WATTS: 32

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	444.6	15.1	24.4
0 - 40	740.6	25.1	40.7
0 - 60	1339.0	45.4	73.5
60 - 90	434.6	14.7	23.9
0 - 90	1773.6	60.1	97.4
90 - 180	47.9	1.6	2.6
0 - 180	1821.5	61.7	100.0

AVERAGE LUMINANCE

(Candelas / Square Meter)

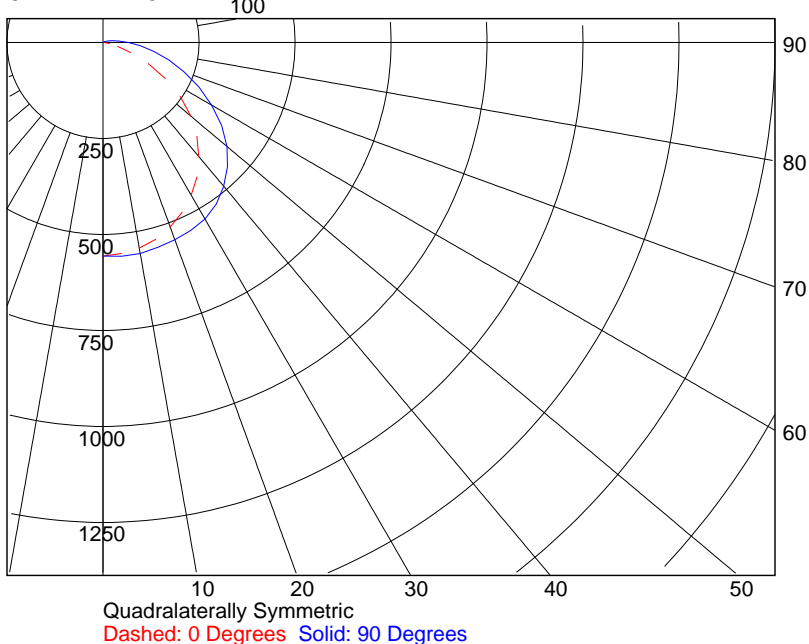
Angle	0	22.5	45	67.5	90
0	2994	2994	2994	2994	2994
45	2505	2354	2379	2443	2490
55	2149	1991	2109	2215	2254
65	1497	1496	1801	1873	1894
75	689	1039	1478	1486	1484
85	184	723	1160	1105	1079

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	.73	.73	.73	.73	.71	.71	.71	.71	.68	.68	.68	.64	.64	.64	.62	.62	.62	.60
1	.66	.63	.60	.57	.64	.61	.59	.56	.58	.56	.54	.56	.54	.52	.53	.52	.50	.49
2	.60	.54	.50	.46	.58	.53	.49	.45	.51	.47	.44	.48	.45	.43	.46	.44	.42	.40
3	.54	.48	.42	.38	.53	.46	.42	.38	.44	.40	.37	.42	.39	.36	.41	.38	.35	.34
4	.50	.42	.36	.32	.48	.41	.36	.32	.39	.35	.31	.38	.34	.31	.36	.33	.30	.29
5	.46	.37	.32	.28	.44	.37	.31	.27	.35	.30	.27	.34	.30	.26	.32	.29	.26	.25
6	.42	.34	.28	.24	.41	.33	.28	.24	.32	.27	.23	.30	.26	.23	.29	.26	.23	.21
7	.39	.30	.25	.21	.38	.30	.25	.21	.29	.24	.21	.28	.23	.20	.27	.23	.20	.19
8	.36	.28	.22	.19	.35	.27	.22	.19	.26	.22	.18	.25	.21	.18	.25	.21	.18	.17
9	.34	.25	.20	.17	.33	.25	.20	.17	.24	.20	.16	.23	.19	.16	.23	.19	.16	.15
10	.32	.23	.18	.15	.31	.23	.18	.15	.22	.18	.15	.22	.18	.15	.21	.17	.15	.14

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	556	556	556	556	556
5	552	555	556	558	559
10	544	549	553	556	558
15	531	538	545	551	553
20	511	522	532	542	547
25	488	502	517	534	540
30	459	475	499	523	531
35	427	446	477	504	514
40	388	411	448	477	489
45	346	371	412	446	458
50	299	324	371	410	421
55	245	273	327	367	377
60	187	219	283	317	327
65	130	168	238	270	276
70	77	123	194	222	225
75	39	87	155	175	178
80	17	59	119	134	135
85	5	38	87	97	97
90	1	23	61	66	66
95	0	13	40	43	41
100	0	6	24	26	25
105	0	3	14	16	16
110	0	1	7	9	9
115	0	0	3	4	5
120	0	0	1	2	3
125	0	0	0	1	1
130	0	0	0	0	0
135	0	0	0	0	0
140	0	0	0	0	0
145	0	0	0	0	0
150	0	0	0	0	0
155	0	0	0	0	0
160	0	0	0	0	0
165	0	0	0	0	0
170	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

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