

# Photometric Report

CATALOG NUMBER: AR623-4-X-PB-X-X-T8

Monday, December 03, 2012

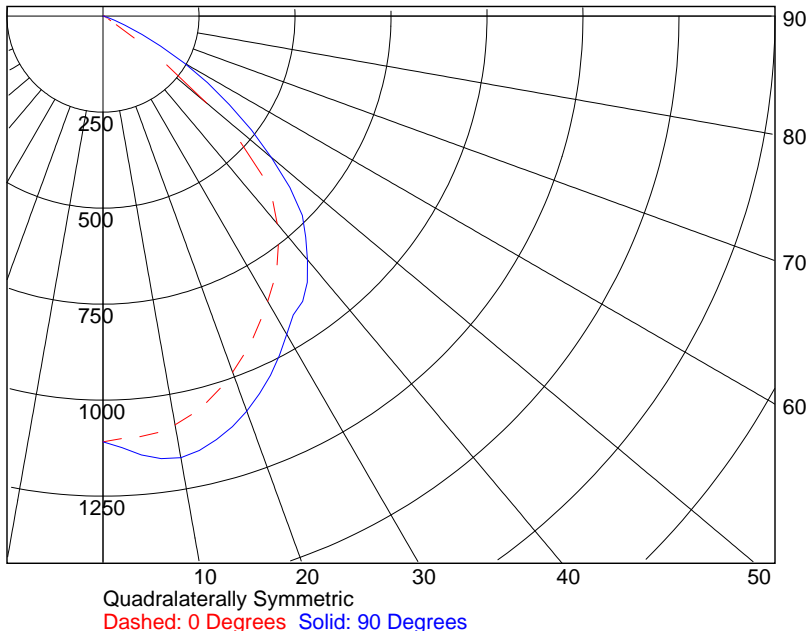
FILENAME: AR623-4-PB-T8 LTL#101247.IES

IESNA:LM-63-2002  
 [TEST] LTL101247  
 [MANUFAC] PRECISION ARCHITECTURAL LIGHTING  
 [LUMCAT] AR623-4-X-PB-X-X-T8  
 [LUMINAIRE] EXTRUDED ALUMINUM HOUSING WITH CAST ALUMINUM  
 [MORE] END CAPS AND SPECULAR ALUMINUM  
 [MORE] REFLECTOR AND SEMI-SPECULAR ALUMINUM PARABOLIC CROSS  
 [MORE] BAFFLE  
 [LAMP] TWO PHILIPS F32T8/TL830/XLL/ALTO RATED 2950 LUMENS EACH

## SUMMARY DATA

EFFICIENCY (Total): 37.9 %  
 EFFICIENCY (Downlight): 37.9 %  
 EFFICIENCY (Uplight): 0.0 %  
 CIE CLASSIFICATION: DIRECT  
 SPACING CRITERION (0-Deg.): 1.16  
 SPACING CRITERION (90-Deg.): 1.27  
 LUMENS/LAMP: 2950  
 NO. OF LAMPS: 2  
 LUMINOUS OPENING: RECTANGULAR  
     Width: 0.42 (Feet)  
     Length: 4.00  
     Height: 0.20  
 INPUT WATTS: 62

## CANDELA PLOT



## ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	883.0	15.0	39.5
0 - 40	1415.9	24.0	63.4
0 - 60	2168.0	36.7	97.1
60 - 90	65.3	1.1	2.9
0 - 90	2233.3	37.9	100.0
90 - 180	0.0	0.0	0.0
0 - 180	2233.3	37.9	100.0

## AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	7104	7104	7104	7104	7104
45	5059	4704	4373	4321	4507
55	1035	1341	2220	2502	2671
65	167	143	245	730	843
75	98	63	49	68	92
85	44	19	13	11	21

## COEFFICIENT OF UTILIZATION TABLE

Effective Floor Cavity Reflectance = 20%

Pcc ...	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	.45	.45	.45	.45	.44	.44	.44	.44	.42	.42	.42	.40	.40	.40	.39	.39	.39	.38
1	.42	.41	.40	.39	.41	.40	.39	.38	.39	.38	.37	.37	.36	.36	.36	.35	.35	.34
2	.39	.37	.35	.33	.39	.36	.35	.33	.35	.34	.32	.34	.33	.32	.33	.32	.31	.30
3	.37	.33	.31	.29	.36	.33	.31	.29	.32	.30	.28	.31	.29	.28	.30	.29	.27	.27
4	.34	.30	.28	.26	.33	.30	.27	.25	.29	.27	.25	.28	.26	.25	.27	.26	.24	.24
5	.32	.28	.25	.23	.31	.27	.24	.22	.26	.24	.22	.26	.24	.22	.25	.23	.22	.21
6	.29	.25	.22	.20	.29	.25	.22	.20	.24	.22	.20	.24	.21	.20	.23	.21	.20	.19
7	.27	.23	.20	.18	.27	.23	.20	.18	.22	.20	.18	.22	.19	.18	.21	.19	.18	.17
8	.26	.21	.18	.16	.25	.21	.18	.16	.20	.18	.16	.20	.18	.16	.20	.18	.16	.15
9	.24	.19	.17	.15	.24	.19	.17	.15	.19	.16	.15	.18	.16	.15	.18	.16	.15	.14
10	.23	.18	.15	.14	.22	.18	.15	.13	.18	.15	.13	.17	.15	.13	.17	.15	.13	.13

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

# Photometric Report

CATALOG NUMBER: AR623-4-X-PB-X-X-T8

Monday, December 03, 2012

FILENAME: AR623-4-PB-T8 LTL#101247.IES

## CANDELA TABLE

Vertical Angle	Horizontal Angles				
	<u>0</u>	<u>22.5</u>	<u>45</u>	<u>67.5</u>	<u>90</u>
0	1109	1109	1109	1109	1109
2.5	1101	1109	1115	1123	1125
5	1099	1114	1130	1144	1147
7.5	1094	1116	1144	1159	1162
10	1081	1114	1149	1166	<u>1168</u>
12.5	1063	1106	1147	1159	1158
15	1041	1094	1131	1142	1142
17.5	1016	1077	1106	1120	1121
20	987	1055	1077	1094	1095
22.5	956	1031	1045	1061	1064
25	924	1000	1010	1027	1032
27.5	891	965	973	989	996
30	858	926	933	947	957
32.5	825	887	892	907	922
35	790	845	848	870	907
37.5	750	801	803	842	874
40	706	753	756	804	829
42.5	655	702	712	752	781
45	586	638	662	696	734
47.5	486	549	595	633	660
50	352	429	510	548	573
52.5	209	286	410	458	487
55	99	159	304	371	402
57.5	41	70	203	288	322
60	23	33	118	210	245
62.5	16	20	60	148	169
65	12	14	29	96	112
67.5	10	10	15	55	62
70	7	7	9	30	32
72.5	5	6	7	14	20
75	5	5	5	7	10
77.5	3	3	4	5	6
80	2	2	2	3	4
82.5	2	2	2	3	3
85	1	1	1	1	2
87.5	1	1	1	0	1
90	0	0	0	0	0

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

---