

# Photometric Report

CATALOG NUMBER: AR622-4-X-PB-X-X-T8

Monday, December 03, 2012

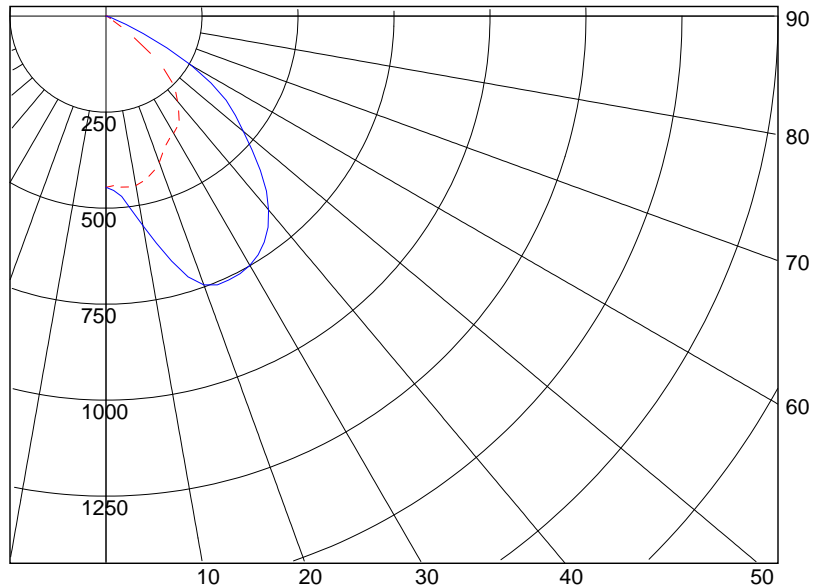
FILENAME: AR622-4-PB-T8 LTL#101246.IES

IESNA:LM-63-2002  
 [TEST] LTL101246  
 [MANUFAC] PRECISION ARCHITECTURAL LIGHTING  
 [LUMCAT] AR622-4-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] ONE PHILIPS F32T8/TL830/XLL/ALTO RATED 2950 LUMENS EACH

## SUMMARY DATA

EFFICIENCY (Total): 50.2 %  
 EFFICIENCY (Downlight): 50.2 %  
 EFFICIENCY (Uplight): 0.0 %  
 CIE CLASSIFICATION: DIRECT  
 SPACING CRITERION (0-Deg.): 1.18  
 SPACING CRITERION (90-Deg.): 1.92  
 LUMENS/LAMP: 2950  
 NO. OF LAMPS: 1  
 LUMINOUS OPENING: RECTANGULAR  
     Width: 0.42 (Feet)  
     Length: 4.00  
     Height: 0.20  
 INPUT WATTS: 33.2

## CANDELA PLOT



Quadralaterally Symmetric  
 Dashed: 0 Degrees Solid: 90 Degrees

## ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	489.9	16.6	33.1
0 - 40	857.5	29.1	57.9
0 - 60	1422.4	48.2	96.0
60 - 90	58.6	2.0	4.0
0 - 90	1481.0	50.2	100.0
90 - 180	0.0	0.0	0.0
0 - 180	1481.0	50.2	100.0

## AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	2856	2856	2856	2856	2856
45	2101	3205	3377	3385	3489
55	498	954	1824	2230	2540
65	103	105	205	687	808
75	39	38	39	60	75
85	0	0	0	0	11

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

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	446	446	446	446	446
2.5	442	447	450	452	454
5	447	454	463	469	471
7.5	449	463	482	502	509
10	448	469	512	546	554
12.5	441	475	546	593	605
15	432	480	577	643	660
17.5	420	486	608	691	712
20	406	490	635	725	745
22.5	386	488	657	742	<u>758</u>
25	370	487	670	743	<u>758</u>
27.5	359	491	672	736	756
30	352	498	665	729	749
32.5	344	509	651	716	737
35	332	513	633	696	718
37.5	311	507	612	669	693
40	289	490	585	635	658
42.5	269	468	553	594	618
45	243	435	511	545	568
47.5	204	381	461	494	516
50	151	303	399	440	466
52.5	93	203	329	385	425
55	48	113	250	331	382
57.5	22	51	170	270	324
60	13	23	101	207	256
62.5	9	14	52	144	179
65	7	10	24	90	108
67.5	6	7	12	51	56
70	5	6	8	25	28
72.5	3	4	6	12	16
75	2	3	4	7	8
77.5	1	2	3	4	6
80	1	1	2	3	3
82.5	1	1	1	2	2
85	0	0	0	0	1
87.5	0	0	0	0	0
90	0	0	0	0	0

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