

# Photometric Report

CATALOG NUMBER: AR602-4-X-LP-X-X-T8

Monday, December 03, 2012

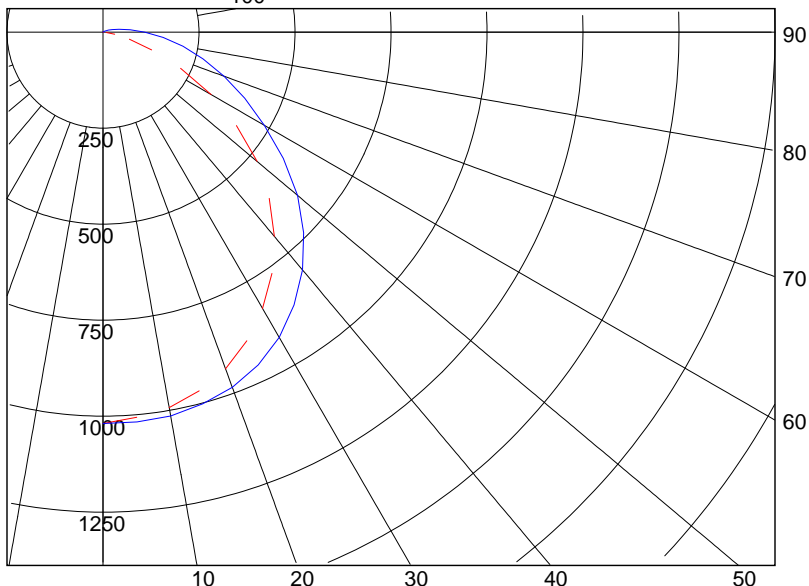
FILENAME: AR602-4-LP-T8 LTL#100235.IES

IESNA:LM-63-2002  
 [TEST] LTL100235  
 [MANUFAC] PRECISION ARCHITECTURAL LIGHTING  
 [LUMCAT] AR602-4-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 ACYRLIC LENS  
 [LAMP] ONE PHILIPS F32T8/TL830/XLL/ALTO RATED 2950 LUMENS EACH

## SUMMARY DATA

EFFICIENCY (Total): 52.0 %  
 EFFICIENCY (Downlight): 50.6 %  
 EFFICIENCY (Uplight): 1.3 %  
 CIE CLASSIFICATION: DIRECT  
 SPACING CRITERION (0-Deg.): 1.21  
 SPACING CRITERION (90-Deg.): 1.33  
 LUMENS/LAMP: 2950  
 NO. OF LAMPS: 2  
 LUMINOUS OPENING: RECTANGULAR  
     Width: 0.50 (Feet)  
     Length: 4.00  
     Height: 0.20  
 INPUT WATTS: 64

## CANDELA PLOT



Quadrilaterally Symmetric  
 Dashed: 0 Degrees    Solid: 90 Degrees

## ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	801.2	13.6	26.1
0 - 40	1317.3	22.3	42.9
0 - 60	2309.9	39.2	75.3
60 - 90	678.0	11.5	22.1
0 - 90	2987.9	50.6	97.4
90 - 180	79.2	1.3	2.6
0 - 180	3067.2	52.0	100.0

## AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	5484	5484	5484	5484	5484
45	4440	4125	4045	4009	4017
55	3715	3434	3450	3424	3423
65	2564	2507	2786	2784	2793
75	1247	1698	2243	2241	2250
85	331	1147	1796	1764	1744

## 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	.62	.62	.62	.62	.60	.60	.60	.60	.57	.57	.57	.54	.54	.54	.52	.52	.52	.51
1	.56	.53	.51	.49	.54	.52	.50	.48	.49	.48	.46	.47	.46	.44	.45	.44	.43	.42
2	.51	.46	.43	.39	.49	.45	.42	.39	.43	.40	.38	.41	.39	.37	.39	.37	.36	.34
3	.46	.41	.36	.33	.45	.40	.36	.32	.38	.34	.32	.36	.33	.31	.35	.32	.30	.29
4	.42	.36	.31	.28	.41	.35	.31	.28	.34	.30	.27	.32	.29	.26	.31	.28	.26	.25
5	.39	.32	.27	.24	.38	.31	.27	.24	.30	.26	.23	.29	.26	.23	.28	.25	.23	.21
6	.36	.29	.24	.21	.35	.28	.24	.21	.27	.23	.20	.26	.23	.20	.25	.22	.20	.19
7	.33	.26	.22	.18	.32	.26	.21	.18	.25	.21	.18	.24	.20	.18	.23	.20	.18	.17
8	.31	.24	.19	.16	.30	.23	.19	.16	.23	.19	.16	.22	.18	.16	.21	.18	.16	.15
9	.29	.22	.18	.15	.28	.22	.17	.15	.21	.17	.15	.20	.17	.14	.20	.17	.14	.13
10	.27	.20	.16	.13	.26	.20	.16	.13	.19	.16	.13	.19	.15	.13	.18	.15	.13	.12

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	1019	1019	1019	1019	1019
5	1007	1012	1013	1017	1019
10	993	998	1005	1010	1015
15	967	976	989	998	1002
20	933	946	963	978	984
25	887	906	929	950	956
30	831	856	888	909	918
35	767	794	834	861	867
40	694	726	771	801	808
45	612	650	701	731	739
50	524	564	622	654	661
55	424	470	535	568	573
60	325	374	447	480	485
65	223	281	368	401	407
70	135	204	298	329	335
75	71	142	236	264	270
80	31	95	182	207	212
85	8	61	135	155	157
90	1	36	96	110	109
95	0	20	65	72	71
100	0	8	39	44	42
105	0	3	22	26	25
110	0	1	11	15	15
115	1	1	5	8	9
120	0	0	3	5	6
125	0	0	2	3	4
130	0	0	0	1	1
135	0	0	0	0	1
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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