

Photometric Report

CATALOG NUMBER: AR604-4-X-LP-X-X-T8

Monday, December 03, 2012

FILENAME: AR604-4-LP-T8 LTL#100237.IES

IESNA:LM-63-2002

[TEST] LTL100237

[MANUFAC] PRECISION ARCHITECTURAL LIGHTING

[LUMCAT] AR604-4-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] TWO PHILIPS F32T8/TL830/XLL/ALTO RATED 2950 LUMENS EACH

SUMMARY DATA

EFFICIENCY (Total): 52.3 %
 EFFICIENCY (Downlight): 1.4 %
 EFFICIENCY (Uplight): 50.9 %
 CIE CLASSIFICATION: INDIRECT
 LUMENS/LAMP: 2950
 NO. OF LAMPS: 2
 LUMINOUS OPENING: RECTANGULAR
 Width: 0.50 (Feet)
 Length: 4.00
 Height: 0.25
 INPUT WATTS: 64

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	0.0	0.0	0.0
0 - 40	0.0	0.0	0.0
0 - 60	1.1	0.0	0.0
60 - 90	82.3	1.4	2.7
0 - 90	83.4	1.4	2.7
90 - 180	3001.9	50.9	97.3
0 - 180	3085.3	52.3	100.0

AVERAGE LUMINANCE

(Candelas / Square Meter)

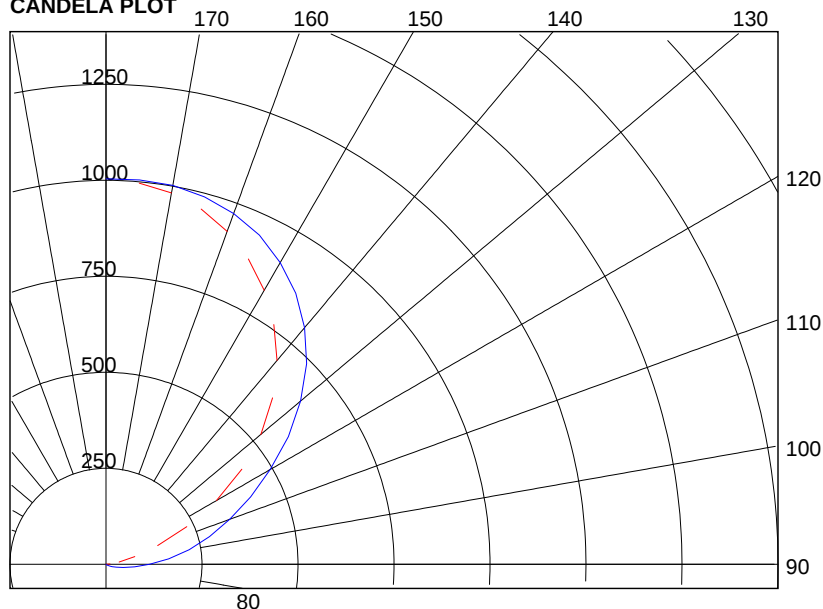
Angle	0	22.5	45	67.5	90
0	0	0	0	0	0
45	0	0	0	0	0
55	0	0	0	10	15
65	0	0	39	58	63
75	0	40	196	208	204
85	0	316	751	724	689

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	.50	.50	.50	.50	.43	.43	.43	.43	.30	.30	.30	.18	.18	.18	.07	.07	.07	.01
1	.45	.43	.41	.39	.39	.37	.35	.34	.25	.24	.23	.15	.14	.14	.05	.05	.05	.00
2	.41	.37	.34	.32	.35	.32	.30	.27	.22	.21	.19	.13	.12	.11	.04	.04	.04	.00
3	.37	.33	.29	.26	.32	.28	.25	.23	.19	.18	.16	.11	.10	.09	.04	.04	.03	.00
4	.34	.29	.25	.22	.29	.25	.22	.19	.17	.15	.13	.10	.09	.08	.03	.03	.03	.00
5	.31	.25	.22	.19	.27	.22	.19	.16	.15	.13	.11	.09	.08	.07	.03	.03	.02	.00
6	.29	.23	.19	.16	.24	.20	.16	.14	.14	.11	.10	.08	.07	.06	.03	.02	.02	.00
7	.26	.20	.16	.14	.22	.18	.14	.12	.12	.10	.08	.07	.06	.05	.02	.02	.02	.00
8	.24	.18	.15	.12	.21	.16	.13	.10	.11	.09	.07	.06	.05	.04	.02	.02	.01	.00
9	.22	.17	.13	.10	.19	.14	.11	.09	.10	.08	.06	.06	.05	.04	.02	.02	.01	.00
10	.21	.15	.12	.09	.18	.13	.10	.08	.09	.07	.06	.05	.04	.03	.02	.01	.01	.00

CANDELA PLOT



Quadralaterally Symmetric

Dashed: 0 Degrees Solid: 90 Degrees

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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	0	0	0	0	0
5	0	0	0	0	0
10	0	0	0	0	0
15	0	0	0	0	0
20	0	0	0	0	0
25	0	0	0	0	0
30	0	0	0	0	0
35	0	0	0	0	0
40	0	0	0	0	0
45	0	0	0	0	0
50	0	0	0	1	1
55	0	0	0	2	3
60	0	0	2	5	6
65	0	0	6	9	10
70	0	1	12	17	17
75	0	4	23	28	28
80	0	9	42	48	46
85	0	20	67	77	75
90	0	37	100	114	113
95	10	65	141	163	164
100	35	100	189	215	220
105	78	149	243	273	279
110	143	212	305	337	343
115	232	292	376	409	416
120	332	381	456	489	494
125	432	475	540	572	580
130	526	566	624	656	661
135	613	649	700	731	739
140	693	723	768	797	804
145	762	788	830	854	862
150	824	847	878	902	907
155	878	894	918	939	946
160	922	933	950	966	972
165	958	965	977	987	991
170	982	985	992	1000	1002
175	996	999	1000	1003	<u>1005</u>
180	1004	1004	1004	1004	1004

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