

Photometric Report

CATALOG NUMBER: AR611-4-X-LP-LP-X-X-T8

Monday, December 03, 2012

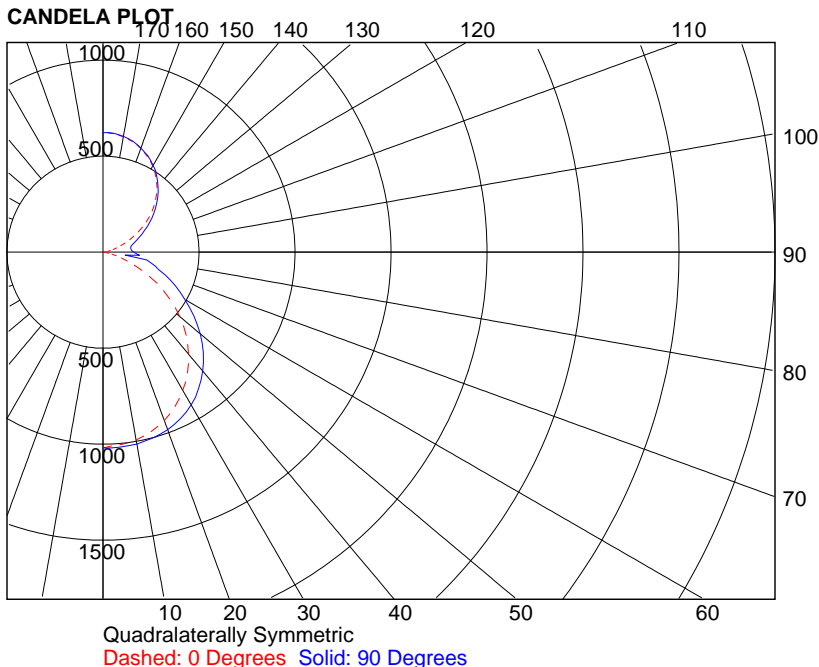
FILENAME: AR611-4-LP-LP-T8 LTL#100525.IES

IESNA:LM-63-2002
 [TEST] LTL100525
 [MANUFAC] PRECISION ARCHITECTURAL LIGHTING
 [LUMCAT] AR611-4-X-LP-LP-X-X-T8
 [LUMINAIRE] EXTRUDED ALUMINUM HOUSING WITH CAST ALUMINUM
 [MORE] END CAPS AND HIGH REFLECTANCE WHITE ENAMEL ALUMINUM
 [MORE] REFLECTOR WITH LINEAR PRISMATIC ACRYLIC LENS UP AND
 [MORE] LINEAR PRISMATIC ACRYLIC LENS DOWN
 [LAMP] THREE PHILIPS F32T8/TL830/XLL/ALTO RATED 2950 LUMENS EACH

SUMMARY DATA

EFFICIENCY (Total): 54.3 %
 EFFICIENCY (Downlight): 34.1 %
 EFFICIENCY (Uplight): 20.2 %
 CIE CLASSIFICATION: SEMI-DIRECT
 SPACING CRITERION (0-Deg.): 1.21
 SPACING CRITERION (90-Deg.): 1.33
 LUMENS/LAMP: 2950
 NO. OF LAMPS: 3
 LUMINOUS OPENING: RECTANGULAR
 Width: 0.50 (Feet)
 Length: 4.00
 Height: 0.20
 INPUT WATTS: 86.2

CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	801.7	9.1	16.7
0 - 40	1318.4	14.9	27.5
0 - 60	2312.8	26.1	48.2
60 - 90	702.8	7.9	14.6
0 - 90	3015.6	34.1	62.8
90 - 180	1786.9	20.2	37.2
0 - 180	4802.4	54.3	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	3441	3451
65	2564	2507	2821	2836	2850
75	1247	1709	2297	2328	2351
85	331	1217	2045	2104	2117

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	.60	.60	.60	.60	.56	.56	.56	.56	.49	.49	.49	.43	.43	.43	.37	.37	.37	.34
1	.54	.52	.49	.47	.51	.48	.46	.45	.42	.41	.39	.37	.36	.35	.32	.31	.30	.28
2	.49	.45	.41	.38	.46	.42	.39	.36	.37	.35	.32	.32	.30	.29	.28	.26	.25	.23
3	.45	.39	.35	.32	.42	.37	.33	.30	.33	.30	.27	.28	.26	.24	.25	.23	.21	.19
4	.41	.35	.30	.27	.38	.33	.29	.26	.29	.26	.23	.25	.23	.21	.22	.20	.18	.17
5	.38	.31	.26	.23	.35	.29	.25	.22	.26	.22	.20	.23	.20	.18	.20	.18	.16	.14
6	.35	.28	.23	.20	.32	.26	.22	.19	.23	.20	.17	.20	.18	.16	.18	.16	.14	.13
7	.32	.25	.21	.17	.30	.24	.20	.17	.21	.18	.15	.19	.16	.14	.16	.14	.12	.11
8	.30	.23	.18	.15	.28	.22	.18	.15	.19	.16	.14	.17	.14	.12	.15	.13	.11	.10
9	.28	.21	.17	.14	.26	.20	.16	.13	.18	.14	.12	.16	.13	.11	.14	.12	.10	.09
10	.26	.19	.15	.12	.24	.18	.14	.12	.16	.13	.11	.14	.12	.10	.13	.11	.09	.08

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
2.5	1010	1017	1017	1019	1020
5	1007	1012	1013	1017	1019
7.5	1001	1007	1010	1013	1016
10	993	998	1005	1010	1015
12.5	981	988	996	1005	1008
15	967	976	989	998	1002
17.5	951	963	976	988	994
20	933	946	963	978	984
22.5	911	927	946	965	971
25	887	906	929	950	956
27.5	860	882	908	931	938
30	831	856	888	909	918
32.5	801	826	863	887	896
35	767	794	834	861	867
37.5	731	762	803	831	840
40	694	726	771	801	808
42.5	653	689	737	768	775
45	612	650	701	731	739
47.5	568	607	662	693	701
50	524	564	622	654	662
52.5	475	517	579	611	619
55	424	470	535	570	578
57.5	374	423	489	528	534
60	325	374	448	486	492
62.5	273	327	410	445	453
65	223	281	373	408	416
67.5	177	242	336	373	379
70	135	204	303	338	345
72.5	100	172	271	305	303
75	71	143	242	274	282
77.5	48	118	214	247	256
80	31	96	191	224	231
82.5	18	80	162	205	117
85	8	65	154	185	191
87.5	3	53	140	170	173
90	1	46	130	158	161
92.5	2	43	123	148	152
95	8	46	121	143	147
97.5	16	51	120	141	146
100	26	60	122	143	146
102.5	38	72	128	147	151
105	55	89	140	159	161
107.5	74	108	151	169	172
110	98	129	177	184	189
112.5	124	153	185	200	205
115	154	177	205	220	225
117.5	182	203	228	242	243
120	212	229	251	261	266
122.5	243	256	274	285	288
125	274	282	299	308	311
127.5	304	309	321	331	333
130	333	335	347	354	356
132.5	361	361	370	377	379
135	388	387	394	401	403
137.5	413	412	417	423	425
140	437	435	440	445	447
142.5	459	457	460	465	466
145	479	479	481	486	487
147.5	500	499	499	505	507
150	518	518	517	522	523
152.5	534	534	533	538	538
155	549	550	548	552	553
157.5	563	564	562	564	565
160	575	577	575	577	577
162.5	586	587	586	588	588
165	596	597	596	597	598

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167.5	603	605	605	606	606
170	610	612	611	613	612
172.5	615	616	616	618	617
175	619	620	620	622	622
177.5	621	622	622	625	624
180	623	623	623	623	623