

Photometric Report

CATALOG NUMBER: AR609-4-X-LP/LP-X-X-T8

Monday, December 03, 2012

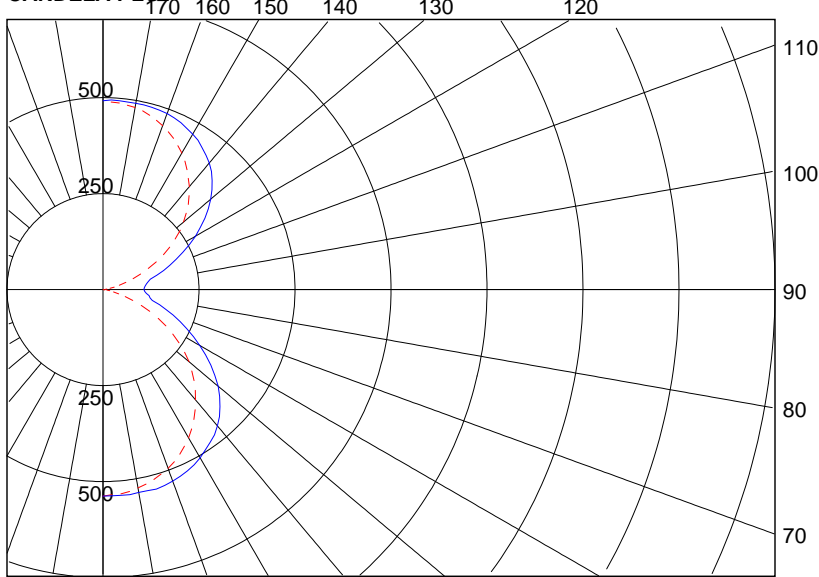
FILENAME: AR609-4-LP-LP-T8 LTL#100750.IES

IESNA:LM-63-2002
 [TEST] LTL100750
 [MANUFAC] PRECISION ARCHITECTURAL LIGHTING
 [LUMCAT] AR609-4-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] ONE PHILIPS F32T8/TL830/XLL/ALTO RATED 2950 LUMENS EACH

SUMMARY DATA

EFFICIENCY (Total): 110.6 %
 EFFICIENCY (Downlight): 57.0 %
 EFFICIENCY (Uplight): 53.6 %
 CIE CLASSIFICATION: GENERAL DIFFUSE
 SPACING CRITERION (0-Deg.): 1.23
 SPACING CRITERION (90-Deg.): 1.39
 LUMENS/LAMP: 2950
 NO. OF LAMPS: 1
 LUMINOUS OPENING: RECTANGULAR
 Width: 0.50 (Feet)
 Length: 4.00
 Height: 0.20
 INPUT WATTS: 33

CANDELA PLOT



Quadralaterally Symmetric
 Dashed: 0 Degrees Solid: 90 Degrees

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	429.5	14.6	13.2
0 - 40	713.1	24.2	21.8
0 - 60	1279.8	43.4	39.2
60 - 90	402.8	13.7	12.3
0 - 90	1682.6	57.0	51.6
90 - 180	1581.0	53.6	48.4
0 - 180	3263.6	110.6	100.0

AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	2893	2893	2893	2893	2893
45	2430	2259	2260	2310	2342
55	2116	1936	1982	2029	2047
65	1540	1446	1616	1639	1650
75	739	949	1229	1256	1273
85	184	635	1222	1275	1256

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	1.19	1.19	1.19	1.19	1.10	1.10	1.10	1.10	.93	.93	.93	.78	.78	.78	.64	.64	.64	.57	
1	1.08	1.03	.98	.94	.99	.95	.91	.87	.80	.77	.75	.67	.65	.63	.55	.53	.52	.46	
2	.98	.89	.82	.76	.90	.83	.76	.71	.70	.65	.61	.59	.55	.52	.48	.46	.43	.38	
3	.89	.78	.70	.63	.82	.72	.65	.59	.62	.56	.51	.52	.47	.44	.42	.39	.37	.32	
4	.81	.69	.60	.53	.75	.64	.56	.50	.55	.48	.43	.46	.41	.37	.38	.34	.31	.27	
5	.75	.61	.52	.45	.69	.57	.49	.43	.49	.42	.37	.41	.36	.32	.34	.30	.27	.24	
6	.69	.55	.46	.39	.63	.51	.43	.37	.44	.37	.32	.37	.32	.28	.31	.27	.24	.20	
7	.63	.49	.40	.34	.58	.46	.38	.32	.40	.33	.28	.34	.28	.25	.28	.24	.21	.18	
8	.59	.45	.36	.30	.54	.42	.34	.28	.36	.30	.25	.31	.26	.22	.25	.22	.19	.16	
9	.55	.41	.32	.27	.50	.38	.31	.25	.33	.27	.22	.28	.23	.20	.23	.20	.17	.14	
10	.51	.37	.29	.24	.47	.35	.28	.23	.30	.24	.20	.26	.21	.18	.22	.18	.15	.13	

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	538	538	538	538	538
2.5	535	537	537	538	538
5	534	536	536	536	538
7.5	530	533	534	538	538
10	524	527	532	535	537
12.5	519	524	528	535	537
15	512	519	526	534	538
17.5	504	511	521	531	535
20	495	503	515	527	531
22.5	485	493	509	521	526
25	473	482	502	515	521
27.5	460	472	492	509	514
30	446	459	481	499	506
32.5	430	444	469	488	495
35	413	430	457	478	486
37.5	394	413	443	466	477
40	375	395	427	454	464
42.5	356	376	409	439	449
45	335	356	391	421	431
47.5	314	335	372	404	412
50	292	313	352	382	391
52.5	268	289	330	360	367
55	242	265	307	336	343
57.5	215	240	284	311	317
60	189	214	260	287	291
62.5	162	187	237	261	266
65	134	162	214	236	241
67.5	108	139	191	212	217
70	82	116	169	189	194
72.5	61	96	147	168	172
75	42	80	129	148	153
77.5	28	64	112	132	131
80	18	51	99	122	125
82.5	10	39	93	117	121
85	5	34	92	112	113
87.5	2	33	91	109	109
90	0	32	90	106	107
92.5	2	34	91	108	108
95	6	35	91	111	111
97.5	10	40	92	115	114
100	19	52	97	118	120
102.5	30	65	110	124	126
105	44	80	126	142	145
107.5	63	96	144	161	166
110	83	116	164	181	185
112.5	106	136	184	203	206
115	130	158	206	226	229
117.5	156	181	229	249	254
120	182	205	250	273	278
122.5	206	229	271	296	301
125	229	252	292	317	324
127.5	254	274	312	339	346
130	273	295	331	359	366
132.5	294	315	349	376	385
135	314	332	365	394	402
137.5	332	350	381	407	418
140	350	367	398	421	431
142.5	365	381	409	433	441
145	381	396	422	443	450
147.5	397	410	435	452	461
150	410	422	444	462	467
152.5	422	432	451	467	473
155	435	443	461	474	479
157.5	445	452	467	479	484
160	454	460	473	483	488
162.5	463	467	477	487	490
165	470	475	480	490	492

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167.5	477	480	484	490	493
170	481	485	487	491	493
172.5	484	488	489	492	493
175	488	490	492	494	494
177.5	489	491	492	494	494
180	492	492	492	492	492