

Photometric Report

CATALOG NUMBER: AR620-4-X-LP/LP-X-X-T8

Monday, December 03, 2012

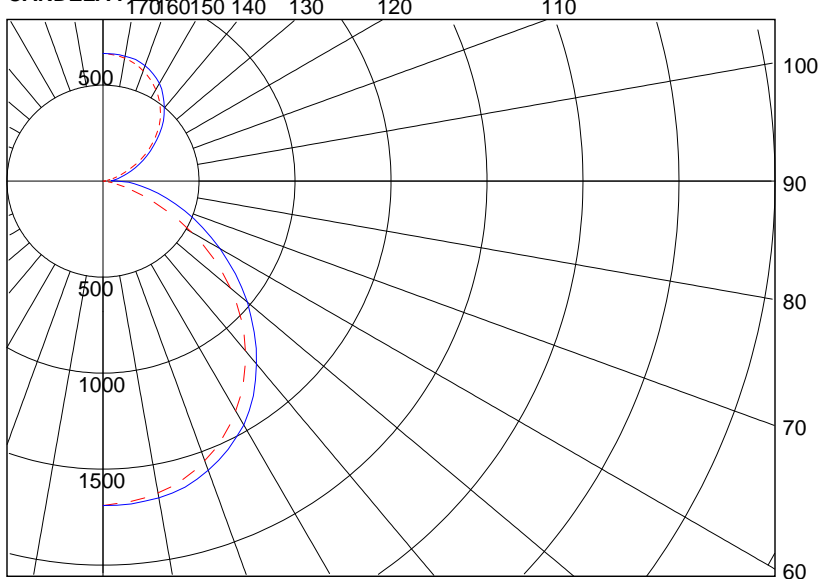
FILENAME: AR620-4-LP-LP-T8 LTL#101112.IES

IESNA:LM-63-2002
 [TEST] LTL01112
 [MANUFAC] PRECISION ARCHITECTURAL LIGHTING
 [LUMCAT] AR620-4-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] FOUR PHILIPS F32T8/TL830/XLL/ALTO RATED 2950 LUMENS EACH

SUMMARY DATA

EFFICIENCY (Total): 55.0 %
 EFFICIENCY (Downlight): 39.4 %
 EFFICIENCY (Uplight): 15.5 %
 CIE CLASSIFICATION: SEMI-DIRECT
 SPACING CRITERION (0-Deg.): 1.22
 SPACING CRITERION (90-Deg.): 1.28
 LUMENS/LAMP: 2950
 NO. OF LAMPS: 4
 LUMINOUS OPENING: RECTANGULAR
 Width: 0.42 (Feet)
 Length: 4.00
 Height: 0.15
 INPUT WATTS: 106

CANDELA PLOT



Quadrilaterally Symmetric
 Dashed: 0 Degrees Solid: 90 Degrees

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	1319.2	11.2	20.3
0 - 40	2152.7	18.2	33.2
0 - 60	3699.9	31.4	57.0
60 - 90	952.8	8.1	14.7
0 - 90	4652.7	39.4	71.7
90 - 180	1833.2	15.5	28.3
0 - 180	6486.0	55.0	100.0

AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	10826	10826	10826	10826	10826
45	8893	8207	7797	7515	7437
55	7463	6747	6524	6307	6231
65	5110	4974	5239	5003	4908
75	2474	3349	4083	3758	3648
85	628	2149	3052	2561	2384

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	.58	.58	.58	.58	.52	.52	.52	.47	.47	.47	.42	.42	.42	.39	
1	.56	.54	.51	.49	.53	.51	.49	.47	.46	.44	.43	.41	.40	.39	.37	.36	.35	.33	
2	.51	.47	.43	.40	.48	.45	.41	.39	.40	.38	.35	.36	.34	.32	.32	.31	.29	.27	
3	.47	.41	.37	.34	.44	.39	.35	.32	.35	.32	.30	.32	.29	.27	.29	.27	.25	.23	
4	.43	.37	.32	.28	.40	.35	.31	.27	.31	.28	.25	.28	.26	.23	.26	.23	.22	.20	
5	.39	.33	.28	.24	.37	.31	.27	.24	.28	.25	.22	.26	.23	.20	.23	.21	.19	.17	
6	.36	.29	.25	.21	.34	.28	.24	.21	.25	.22	.19	.23	.20	.18	.21	.18	.17	.15	
7	.34	.27	.22	.19	.32	.25	.21	.18	.23	.20	.17	.21	.18	.16	.19	.17	.15	.13	
8	.31	.24	.20	.17	.30	.23	.19	.16	.21	.18	.15	.19	.16	.14	.18	.15	.13	.12	
9	.29	.22	.18	.15	.28	.21	.17	.14	.19	.16	.14	.18	.15	.13	.16	.14	.12	.11	
10	.27	.20	.16	.13	.26	.20	.16	.13	.18	.15	.12	.16	.14	.12	.15	.13	.11	.10	

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

Photometric Report

CATALOG NUMBER: AR620-4-X-LP/LP-X-X-T8

Monday, December 03, 2012

FILENAME: AR620-4-LP-LP-T8 LTL#101112.IES

CANDELA TABLE

Vertical Angle	Horizontal Angles				
	<u>0</u>	<u>22.5</u>	<u>45</u>	<u>67.5</u>	<u>90</u>
0	1690	1690	1690	1690	1690
2.5	1680	1687	1688	1691	1690
5	1674	1680	1684	1689	1688
7.5	1664	1672	1674	1681	1681
10	1649	1658	1663	1674	1675
12.5	1632	1641	1653	1662	1664
15	1608	1619	1636	1649	1650
17.5	1581	1595	1613	1629	1628
20	1549	1568	1588	1600	1602
22.5	1515	1536	1558	1571	1574
25	1474	1501	1520	1538	1542
27.5	1430	1459	1482	1502	1504
30	1382	1414	1440	1463	1467
32.5	1332	1364	1394	1415	1418
35	1275	1311	1345	1365	1365
37.5	1215	1255	1290	1307	1305
40	1154	1191	1229	1244	1243
42.5	1087	1129	1167	1181	1182
45	1018	1061	1101	1115	1114
47.5	944	986	1034	1045	1046
50	867	911	962	979	982
52.5	786	832	889	911	910
55	704	752	817	842	842
57.5	618	672	748	771	769
60	533	595	680	703	704
62.5	449	521	617	639	636
65	364	449	552	574	572
67.5	288	382	495	514	513
70	220	322	438	457	453
72.5	160	269	386	400	396
75	114	222	337	347	344
77.5	75	178	289	298	294
80	48	141	246	253	245
82.5	27	112	209	211	202
85	12	86	174	172	165
87.5	3	65	141	139	134
90	0	29	72	73	72
92.5	1	18	42	44	44
95	6	26	54	55	54
97.5	14	39	67	69	67
100	23	54	82	83	80
102.5	37	70	100	99	96
105	54	91	119	118	113
107.5	74	113	139	138	134
110	100	136	161	162	157
112.5	129	163	185	187	183
115	160	189	211	212	208
117.5	194	219	240	240	236
120	228	248	268	268	264
122.5	261	279	295	295	293
125	294	308	323	326	321
127.5	326	341	353	357	353
130	355	370	381	387	383
132.5	386	401	411	416	416
135	414	429	439	444	445
137.5	440	455	466	471	471
140	466	480	492	497	497
142.5	488	501	515	522	521
145	511	523	536	544	544
147.5	532	543	558	567	569
150	550	562	576	586	587
152.5	568	578	592	601	603
155	584	592	605	614	616
157.5	598	606	618	627	630
160	611	617	629	638	640
162.5	624	629	638	647	648
165	634	639	644	653	656

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

Photometric Report

CATALOG NUMBER: AR620-4-X-LP/LP-X-X-T8

Monday, December 03, 2012

FILENAME: AR620-4-LP-LP-T8 LTL#101112.IES

167.5	643	647	650	656	658
170	650	653	655	661	660
172.5	656	657	659	663	663
175	659	662	662	665	664
177.5	662	663	663	665	664
180	665	665	665	665	665