

Photometric Report

CATALOG NUMBER: AR612-4-X-LP/LP-X-X-T8

Monday, December 03, 2012

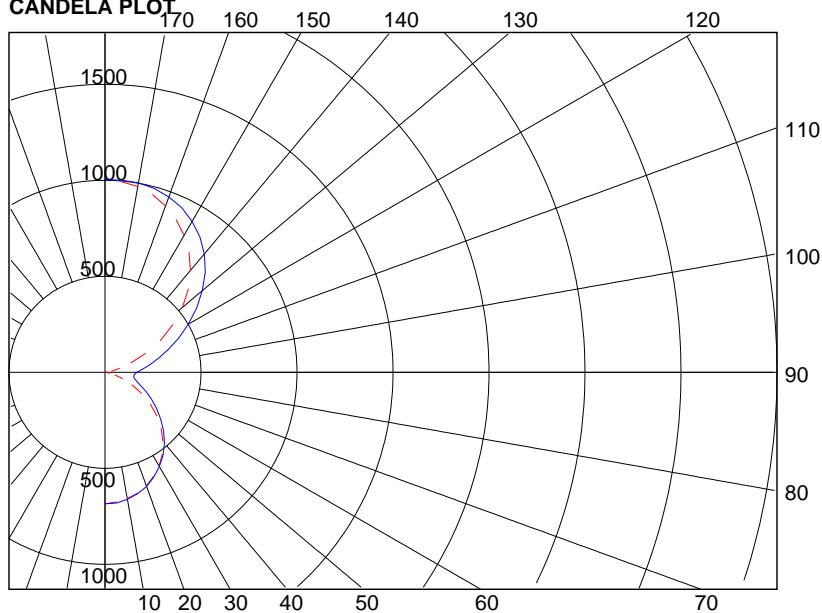
FILENAME: AR612-4-LP-LP-T8 LTL#100526.IES

IESNA:LM-63-2002
 [TEST] LTL100526
 [MANUFAC] PRECISION ARCHITECTURAL LIGHTING
 [LUMCAT] AR612-4-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): 55.9 %
 EFFICIENCY (Downlight): 21.6 %
 EFFICIENCY (Uplight): 34.3 %
 CIE CLASSIFICATION: SEMI-INDIRECT
 SPACING CRITERION (0-Deg.): 1.22
 SPACING CRITERION (90-Deg.): 1.23
 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



Quadralaterally Symmetric
 Dashed: 0 Degrees Solid: 90 Degrees

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	524.9	5.9	10.6
0 - 40	850.5	9.6	17.2
0 - 60	1453.5	16.4	29.4
60 - 90	453.8	5.1	9.2
0 - 90	1907.3	21.6	38.6
90 - 180	3036.2	34.3	61.4
0 - 180	4943.4	55.9	100.0

AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	3689	3689	3689	3689	3689
45	3001	2627	2439	2356	2342
55	2518	2168	2024	1961	1952
65	1777	1621	1616	1600	1611
75	935	1072	1353	1391	1406
85	258	847	1634	1689	1681

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	.58	.58	.58	.58	.53	.53	.53	.53	.43	.43	.43	.34	.34	.34	.25	.25	.25	.22
1	.53	.50	.48	.46	.48	.46	.44	.42	.37	.36	.35	.29	.28	.27	.22	.21	.21	.17
2	.48	.44	.40	.37	.43	.40	.37	.34	.32	.30	.28	.26	.24	.23	.19	.18	.17	.14
3	.44	.38	.34	.31	.40	.35	.31	.29	.29	.26	.24	.23	.21	.19	.17	.16	.15	.12
4	.40	.34	.30	.26	.36	.31	.27	.24	.25	.23	.20	.20	.18	.16	.15	.14	.13	.10
5	.37	.30	.26	.22	.33	.28	.24	.21	.23	.20	.17	.18	.16	.14	.14	.12	.11	.09
6	.34	.27	.23	.19	.31	.25	.21	.18	.20	.17	.15	.16	.14	.12	.12	.11	.10	.08
7	.31	.24	.20	.17	.28	.22	.18	.16	.18	.15	.13	.15	.13	.11	.11	.10	.09	.07
8	.29	.22	.18	.15	.26	.20	.17	.14	.17	.14	.12	.14	.11	.10	.10	.09	.08	.06
9	.27	.20	.16	.13	.24	.19	.15	.12	.15	.13	.11	.12	.10	.09	.10	.08	.07	.06
10	.25	.18	.14	.12	.23	.17	.13	.11	.14	.11	.09	.11	.09	.08	.09	.07	.06	.05

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	686	686	686	686	686
5	677	682	682	682	684
10	668	672	671	671	671
15	652	656	655	655	655
20	629	631	630	631	633
25	598	600	597	600	601
30	562	563	563	566	567
35	520	520	520	524	526
40	469	469	473	479	481
45	414	414	422	430	431
50	353	356	369	377	379
55	288	297	314	325	327
60	219	238	261	275	279
65	155	182	214	230	235
70	96	132	173	193	196
75	53	90	142	164	169
80	24	60	126	149	152
85	7	45	123	149	152
90	1	48	133	162	165
95	10	69	160	193	198
100	35	103	199	243	241
105	78	152	250	284	292
110	143	213	312	347	353
115	232	292	380	417	424
120	332	381	457	494	500
125	432	475	540	575	583
130	526	566	624	656	662
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

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