

Photometric Report

CATALOG NUMBER: AR601-4-X-BW-X-X-T8

Monday, December 03, 2012

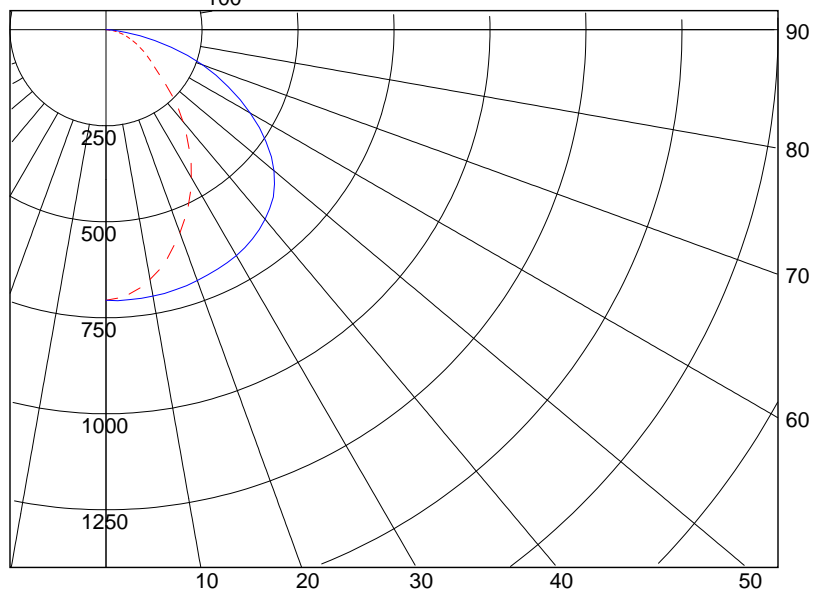
FILENAME: AR601-4-BW-T8 LTL#100743.IES

IESNA:LM-63-2002
 [TEST] LTL100743
 [MANUFAC] PRECISION ARCHITECTURAL LIGHTING
 [LUMCAT] AR601-4-X-BW-X-X-T8
 [LUMINAIRE] EXTRUDED ALUMINUM HOUSING WITH CAST ALUMINUM
 [MORE] END CAPS AND HIGH REFLECTANCE WHITE ENAMEL ALUMINUM
 [MORE] REFLECTORS WITH WHITE ALUMINUM RADIAL BAFFLE
 [LAMP] ONE PHILIPS F32T8/TL830/XLL/ALTO RATED 2950 LUMENS EACH

SUMMARY DATA

EFFICIENCY (Total): 63.0 %
 EFFICIENCY (Downlight): 61.9 %
 EFFICIENCY (Uplight): 1.1 %
 CIE CLASSIFICATION: DIRECT
 SPACING CRITERION (0-Deg.): 0.99
 SPACING CRITERION (90-Deg.): 1.45
 LUMENS/LAMP: 2950
 NO. OF LAMPS: 1
 LUMINOUS OPENING: RECTANGULAR
 Width: 0.50 (Feet)
 Length: 4.00
 Height: 0.20
 INPUT WATTS: 32

CANDELA PLOT



Quadrilaterally Symmetric
 Dashed: 0 Degrees Solid: 90 Degrees

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	523.2	17.7	28.2
0 - 40	841.0	28.5	45.3
0 - 60	1440.9	48.8	77.5
60 - 90	384.6	13.0	20.7
0 - 90	1825.5	61.9	98.2
90 - 180	32.9	1.1	1.8
0 - 180	1858.3	63.0	100.0

AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90
0	3790	3790	3790	3790	3790
45	1772	1807	2325	2962	3350
55	1247	1279	2000	2673	3037
65	1013	994	1602	2146	2407
75	804	782	1122	1494	1469
85	405	547	748	744	270

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	.75	.75	.75	.75	.73	.73	.73	.73	.69	.69	.69	.66	.66	.66	.63	.63	.63	.62
1	.68	.65	.62	.60	.66	.64	.61	.59	.61	.59	.57	.58	.56	.55	.56	.54	.53	.52
2	.62	.57	.52	.49	.60	.56	.52	.48	.53	.50	.47	.51	.48	.46	.49	.47	.44	.43
3	.57	.50	.45	.41	.55	.49	.44	.40	.47	.43	.39	.45	.42	.39	.43	.40	.38	.36
4	.52	.44	.39	.35	.50	.43	.38	.34	.42	.37	.34	.40	.36	.33	.39	.35	.33	.31
5	.48	.40	.34	.30	.46	.39	.34	.30	.37	.33	.29	.36	.32	.29	.35	.31	.28	.27
6	.44	.36	.30	.26	.43	.35	.30	.26	.34	.29	.26	.33	.29	.25	.32	.28	.25	.24
7	.41	.33	.27	.23	.40	.32	.27	.23	.31	.26	.23	.30	.26	.23	.29	.25	.22	.21
8	.38	.30	.24	.21	.37	.29	.24	.21	.28	.24	.20	.27	.23	.20	.27	.23	.20	.19
9	.36	.27	.22	.19	.35	.27	.22	.19	.26	.22	.18	.25	.21	.18	.25	.21	.18	.17
10	.33	.25	.20	.17	.33	.25	.20	.17	.24	.20	.17	.23	.19	.17	.23	.19	.17	.15

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	704	704	704	704	704
2.5	700	702	702	705	<u>706</u>
5	691	696	698	703	705
7.5	678	684	692	701	705
10	660	669	683	698	704
12.5	641	652	671	693	703
15	616	629	656	686	701
17.5	589	607	640	680	699
20	563	582	622	671	695
22.5	535	556	603	662	691
25	507	529	583	652	687
27.5	477	502	561	642	684
30	444	473	539	631	679
32.5	412	442	519	619	672
35	377	410	495	606	665
37.5	345	378	473	591	656
40	312	347	450	576	644
42.5	279	316	426	559	631
45	244	285	403	540	616
47.5	211	254	379	521	595
50	182	226	355	498	571
52.5	159	199	332	473	543
55	142	175	310	443	509
57.5	127	155	288	410	474
60	113	139	264	376	434
62.5	100	125	239	344	394
65	88	111	212	309	351
67.5	76	98	184	274	310
70	66	88	161	243	268
72.5	56	77	139	209	223
75	46	66	118	176	176
77.5	36	53	97	141	130
80	27	45	81	113	90
82.5	19	37	66	85	52
85	10	29	56	66	24
87.5	4	23	47	52	8
90	1	19	40	46	3
92.5	0	14	34	40	1
95	0	10	29	35	0
97.5	0	7	24	29	0
100	0	7	21	25	0
102.5	0	5	18	21	0
105	0	3	13	16	0
107.5	0	2	10	12	0
110	0	1	8	9	0
112.5	0	0	6	7	0
115	0	0	5	5	0
117.5	0	0	4	5	0
120	0	0	2	3	0
122.5	0	0	2	2	0
125	0	0	1	2	0
127.5	0	0	0	1	0
130	0	0	0	1	0
132.5	0	0	0	0	0
135	0	0	0	0	0
137.5	0	0	0	0	0
140	0	0	0	0	0
142.5	0	0	0	0	0
145	0	0	0	0	0
147.5	0	0	0	0	0
150	0	0	0	0	0
152.5	0	0	0	0	0
155	0	0	0	0	0
157.5	0	0	0	0	0
160	0	0	0	0	0
162.5	0	0	0	0	0
165	0	0	0	0	0

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167.5	0	0	0	0	0
170	0	0	0	0	0
172.5	0	0	0	0	0
175	0	0	0	0	0
177.5	0	0	0	0	0
180	0	0	0	0	0