

Photometric Report

CATALOG NUMBER: AR608-4-X-BW-X-X-T8

Monday, December 03, 2012

FILENAME: AR608-4-BW-T8 LTL#100891.IES

IESNA:LM-63-2002
 [TEST] LTL100891
 [MANUFAC] PRECISION ARCHITECTURAL LIGHTING
 [LUMCAT] AR608-4-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] TWO PHILIPS F32T8/TL830/XLL/ALTO RATED 2950 LUMENS EACH

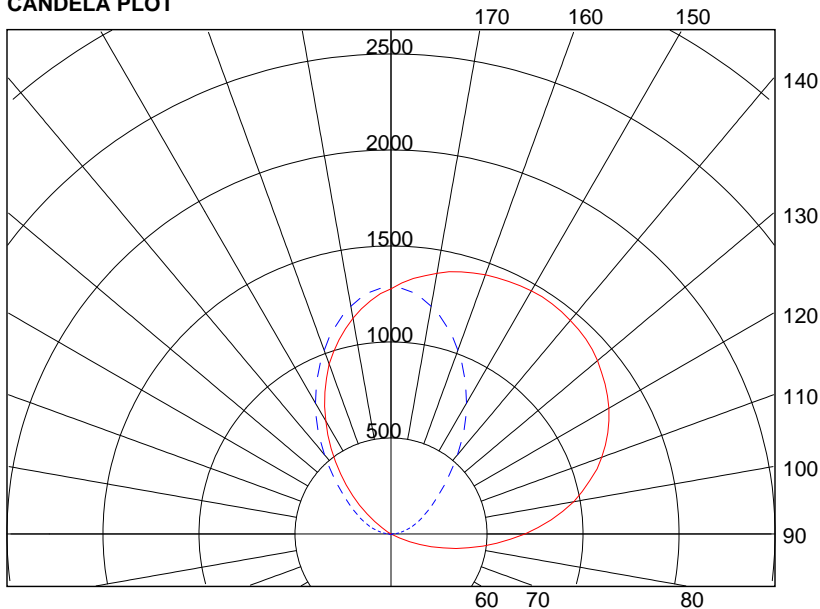
SUMMARY DATA

EFFICIENCY (Total): 59.4 %
 EFFICIENCY (Downlight): 4.7 %
 EFFICIENCY (Uplight): 54.6 %
 CIE CLASSIFICATION: INDIRECT
 LUMENS/LAMP: 2950
 NO. OF LAMPS: 2
 LUMINOUS OPENING: RECTANGULAR
 Width: 0.50 (Feet)
 Length: 4.00
 Height: 0.20
 INPUT WATTS: 64

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	0.2	0.0	0.0
0 - 40	1.8	0.0	0.1
0 - 60	21.4	0.4	0.6
60 - 90	258.3	4.4	7.4
0 - 90	279.6	4.7	8.0
90 - 180	3223.8	54.6	92.0
0 - 180	3503.4	59.4	100.0

CANDELA PLOT



Bilaterally Symmetric
 Solid: 180-0 Degrees Dashed: 90-270 Degrees

AVERAGE LUMINANCE

(Candelas / Square Meter)

Angle	0	22.5	45	67.5	90	112.5	135	157.5	180
0	0	0	0	0	0	0	0	0	0
45	0	125	124	41	15	10	0	0	0
55	16	404	302	90	22	17	0	0	0
65	560	1044	617	176	39	26	0	0	0
75	4923	3284	1273	358	55	40	9	0	0
85	21712	8716	2868	818	73	64	75	88	0

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	.50	.50	.50	.50	.36	.36	.36	.22	.22	.22	.10	.10	.10	.05
1	.51	.49	.46	.44	.44	.42	.40	.38	.29	.28	.27	.18	.17	.16	.07	.07	.07	.02
2	.46	.42	.38	.35	.40	.36	.33	.30	.25	.23	.21	.15	.14	.13	.06	.05	.05	.01
3	.42	.37	.32	.29	.36	.32	.28	.25	.22	.20	.18	.13	.12	.11	.05	.05	.04	.00
4	.38	.32	.28	.24	.33	.28	.24	.21	.19	.17	.15	.12	.10	.09	.05	.04	.03	.00
5	.35	.28	.24	.20	.30	.25	.21	.18	.17	.15	.13	.10	.09	.08	.04	.03	.03	.00
6	.32	.25	.21	.17	.28	.22	.18	.15	.15	.13	.11	.09	.08	.07	.04	.03	.02	.00
7	.30	.23	.18	.15	.25	.20	.16	.13	.14	.11	.09	.08	.07	.06	.03	.03	.02	.00
8	.27	.20	.16	.13	.23	.18	.14	.11	.12	.10	.08	.08	.06	.05	.03	.02	.02	.00
9	.25	.18	.14	.11	.22	.16	.12	.10	.11	.09	.07	.07	.05	.04	.03	.02	.02	.00
10	.24	.17	.13	.10	.20	.15	.11	.09	.10	.08	.06	.06	.05	.04	.03	.02	.01	.00

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CANDELA TABLE

Vertical Angle	Horizontal Angles								
	0	22.5	45	67.5	90	112.5	135	157.5	180
0	0	0	0	0	0	0	0	0	0
2.5	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
7.5	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
12.5	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0
17.5	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
22.5	0	0	0	0	0	0	0	0	0
25	0	0	1	1	0	0	0	0	0
27.5	0	2	3	3	1	0	0	0	0
30	0	3	3	3	1	0	0	0	0
32.5	0	4	5	5	2	0	0	0	0
35	0	5	6	5	2	1	0	0	0
37.5	0	7	8	6	2	1	0	0	0
40	0	10	12	6	2	1	0	0	0
42.5	0	14	17	7	3	2	0	0	0
45	0	20	22	7	3	2	0	0	0
47.5	0	26	27	8	3	2	0	0	0
50	0	35	33	10	3	2	0	0	0
52.5	1	44	39	12	4	3	0	0	0
55	2	55	47	15	4	3	0	0	0
57.5	3	67	55	17	4	3	0	0	0
60	4	79	65	21	5	3	0	0	0
62.5	7	89	72	22	5	4	0	0	0
65	49	117	81	25	6	4	0	0	0
67.5	106	155	91	29	6	4	0	0	0
70	160	195	105	34	7	5	0	0	0
72.5	220	235	119	38	7	5	1	0	0
75	281	275	134	42	7	5	1	0	0
77.5	347	319	150	48	7	5	1	0	0
80	411	364	170	54	7	5	1	1	0
82.5	483	414	192	63	7	5	4	3	0
85	553	463	215	72	7	6	6	5	0
87.5	625	513	239	81	6	7	7	6	0
90	698	566	265	95	7	9	11	7	0
92.5	767	617	294	109	16	14	17	11	0
95	837	669	322	123	27	20	22	15	0
97.5	902	719	351	137	40	25	26	18	0
100	967	767	382	153	55	35	35	23	0
102.5	1020	812	411	168	68	42	42	29	0
105	1071	858	443	185	85	53	51	36	0
107.5	1126	906	479	205	102	66	61	43	0
110	1168	945	510	225	119	78	70	51	2
112.5	1209	986	549	244	138	93	83	60	2
115	1246	1024	590	265	158	111	96	69	2
117.5	1279	1061	630	288	180	129	111	77	4
120	1310	1094	676	315	203	151	132	83	5
122.5	1337	1127	721	348	231	176	158	101	22
125	1361	1159	764	392	260	206	187	129	58
127.5	1382	1189	809	444	293	240	222	166	108
130	1404	1217	850	502	331	280	257	206	162
132.5	1422	1243	892	559	376	319	297	248	222
135	1435	1266	936	615	424	368	339	296	282
137.5	1445	1288	974	672	479	417	386	346	346
140	1453	1307	1011	729	539	470	435	401	407
142.5	1459	1325	1044	781	600	524	488	459	475
145	1463	1341	1080	833	663	581	545	524	543
147.5	1465	1352	1114	884	726	639	601	586	612
150	1462	1362	1144	937	786	701	666	651	678
152.5	1457	1367	1172	983	846	760	723	716	748
155	1451	1374	1200	1028	905	824	787	783	816
157.5	1444	1377	1223	1075	963	887	849	848	878
160	1437	1380	1246	1115	1018	949	912	913	941
162.5	1425	1379	1264	1157	1072	1007	970	972	995
165	1413	1374	1279	1190	1119	1061	1025	1023	1047

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167.5	1399	1366	1291	1222	1166	1114	1082	1074	1095
170	1379	1354	1299	1247	1204	1162	1132	1127	1142
172.5	1357	1339	1301	1268	1237	1202	1175	1169	1183
175	1335	1320	1298	1280	1264	1235	1213	1208	1219
177.5	1309	1299	1287	1284	1280	1261	1245	1243	1253
180	1276	1276	1276	1276	1276	1276	1276	1276	1276