

Photometric Report

CATALOG NUMBER: AR604-4-X-BW-X-X-T8

Monday, December 03, 2012

FILENAME: AR604-4-BW-T8 LTL#101556.IES

IESNA:LM-63-2002
 [TEST] LTL1001556
 [MANUFAC] PRECISION ARCHITECTURAL LIGHTING
 [LUMCAT] AR604-4-X-BW-X-X-T8
 [LUMINAIRE] EXTRUDED ALUMINUM HOUSING WITH CAST ALUMINUM
 [MORE] END CAPS AND HIGH REFLECTANCE WHITE ENAMEL ALUMINUM
 [MORE] REFLECTOR WITH WHITE ALUMINUM RADIAL BAFFLE
 [LAMP] TWO PHILIPS F32T8/TL830/XLL/ALTO RATED 2950 LUMENS EACH

SUMMARY DATA

EFFICIENCY (Total): 65.1 %
 EFFICIENCY (Downlight): 1.4 %
 EFFICIENCY (Uplight): 63.7 %
 CIE CLASSIFICATION: INDIRECT
 SPACING CRITERION (0-Deg.): 0.62
 SPACING CRITERION (90-Deg.): 0.09
 LUMENS/LAMP: 2950
 NO. OF LAMPS: 2
 LUMINOUS OPENING: RECTANGULAR
 Width: 0.39 (Feet)
 Length: 4.00
 Height: 0.20
 INPUT WATTS: 64

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	1.0	0.0	0.0
0 - 40	1.2	0.0	0.0
0 - 60	2.9	0.0	0.1
60 - 90	80.1	1.4	2.1
0 - 90	83.0	1.4	2.2
90 - 180	3758.0	63.7	97.8
0 - 180	3841.0	65.1	100.0

AVERAGE LUMINANCE

(Candelas / Square Meter)

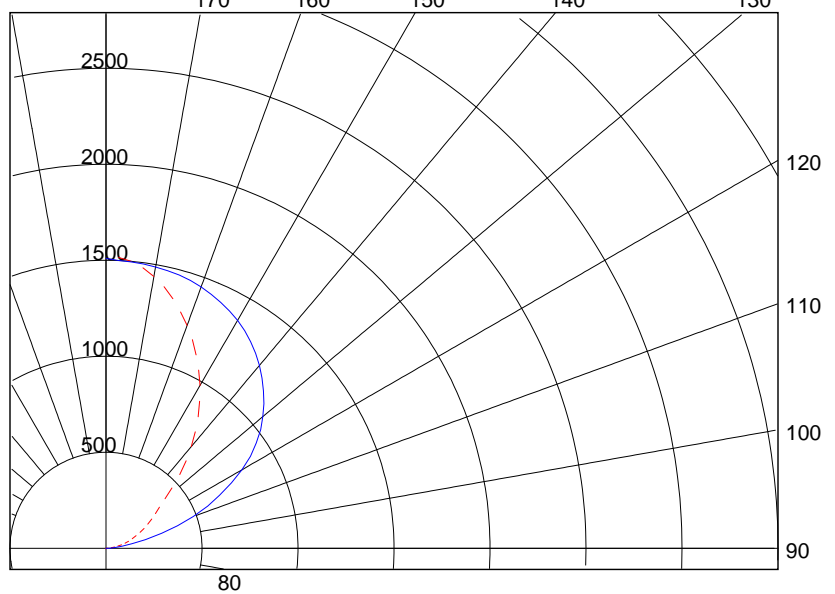
Angle	0	22.5	45	67.5	90
0	14	14	14	14	14
45	0	0	0	0	0
55	0	0	16	22	0
65	0	11	108	113	0
75	0	100	371	382	0
85	0	555	1016	1008	35

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	50	30	10	0
RCR																					
0	.62	.62	.62	.62	.53	.53	.53	.53	.37	.37	.37	.22	.22	.22	.08	.08	.08	.01			
1	.56	.54	.51	.49	.48	.46	.44	.42	.32	.30	.29	.18	.18	.17	.06	.06	.06	.00			
2	.51	.47	.43	.40	.44	.40	.37	.34	.28	.26	.24	.16	.15	.14	.05	.05	.05	.00			
3	.47	.41	.36	.33	.40	.35	.31	.28	.24	.22	.20	.14	.13	.12	.05	.04	.04	.00			
4	.42	.36	.31	.27	.36	.31	.27	.24	.21	.19	.17	.12	.11	.10	.04	.04	.03	.00			
5	.39	.32	.27	.23	.33	.27	.23	.20	.19	.16	.14	.11	.10	.09	.04	.03	.03	.00			
6	.36	.28	.23	.20	.30	.24	.20	.17	.17	.14	.12	.10	.08	.07	.03	.03	.02	.00			
7	.33	.25	.21	.17	.28	.22	.18	.15	.15	.13	.11	.09	.07	.06	.03	.03	.02	.00			
8	.30	.23	.18	.15	.26	.20	.16	.13	.14	.11	.09	.08	.07	.06	.03	.02	.02	.00			
9	.28	.21	.16	.13	.24	.18	.14	.11	.12	.10	.08	.07	.06	.05	.03	.02	.02	.00			
10	.26	.19	.14	.12	.22	.16	.13	.10	.11	.09	.07	.07	.05	.04	.02	.02	.01	.00			

CANDELA PLOT



Quadrilaterally Symmetric
 Dashed: 0 Degrees Solid: 90 Degrees

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

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CANDELA TABLE

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	2	2	2	2	2
2.5	3	3	2	1	1
5	3	3	2	1	0
7.5	3	3	1	1	0
10	3	3	1	1	0
12.5	2	2	1	0	0
15	2	2	1	0	0
17.5	1	1	1	0	0
20	1	1	1	0	0
22.5	2	2	2	1	0
25	2	2	1	1	0
27.5	1	2	1	1	0
30	1	1	1	0	0
32.5	1	1	1	0	0
35	1	1	0	0	0
37.5	0	1	0	0	0
40	0	0	0	0	0
42.5	0	0	0	0	0
45	0	0	0	0	0
47.5	0	0	0	1	0
50	0	0	1	2	0
52.5	0	0	2	2	0
55	0	0	2	3	0
57.5	0	0	4	5	0
60	0	1	6	7	0
62.5	0	1	9	10	0
65	0	1	12	14	0
67.5	0	2	17	19	0
70	0	3	21	25	0
72.5	0	5	27	34	0
75	0	7	35	41	0
77.5	0	10	42	51	0
80	0	14	51	61	0
82.5	0	19	60	72	1
85	0	26	71	84	3
87.5	0	34	82	97	3
90	0	43	95	105	5
92.5	11	54	109	121	21
95	27	68	126	143	53
97.5	46	83	149	173	87
100	63	100	178	215	138
102.5	82	121	216	271	210
105	103	143	251	336	300
107.5	123	168	287	407	391
110	145	194	329	468	484
112.5	170	223	374	527	574
115	196	253	422	589	653
117.5	223	286	471	655	736
120	251	320	519	720	817
122.5	283	358	567	781	892
125	314	402	619	837	955
127.5	351	449	669	892	1015
130	402	503	724	943	1066
132.5	465	560	776	995	1115
135	543	625	832	1045	1160
137.5	617	693	889	1095	1202
140	692	759	946	1141	1243
142.5	764	829	999	1184	1280
145	836	896	1054	1227	1313
147.5	907	963	1107	1264	1344
150	979	1027	1157	1300	1370
152.5	1046	1089	1208	1332	1393
155	1111	1148	1254	1361	1413
157.5	1176	1206	1300	1391	1431
160	1235	1261	1342	1414	1449
162.5	1290	1314	1379	1436	1463
165	1346	1362	1413	1455	1473

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167.5	1396	1405	1445	1469	1481
170	1437	1440	1470	1481	1487
172.5	1473	1469	1489	1490	1493
175	1500	1490	1502	1498	1497
177.5	1516	1502	1511	1502	1500
180	1510	1510	1510	1510	1510