

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-24-LS-8CS-BP2436W-DIM-UNV_40W_4000K_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #13374551.10

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 11/15/2023

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.

[LUMCAT] BP-24-LS-8CS-BP2436W-DIM-UNV-40W-4000k

[LUMINAIRE] Formed white steel housing, white louver

[OTHER] This test was performed using the calibrated photodetector met

[MORE] hod of absolute photometry.

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor, Architectural, Classroom, Commercial, Office, Direct

[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3739
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	38
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.81 ft
Luminous Width (90-270)	1.81 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2081	1898	2034
55	1839	1632	1763
65	1402	1283	1270
75	872	894	872
85	756	756	764

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1715.446	1715.446	1715.446	1715.446	1715.446
0.5	1717.741	1713.917	1714.682	1713.152	1715.446
1.0	1717.741	1713.152	1713.917	1713.152	1715.446
1.5	1717.741	1712.387	1712.387	1712.387	1713.917
2.0	1716.211	1710.858	1710.858	1710.858	1712.387
2.5	1713.917	1709.328	1709.328	1708.563	1710.858
3.0	1710.858	1707.034	1707.798	1706.269	1708.563
3.5	1708.563	1703.974	1704.739	1703.974	1707.034
4.0	1706.269	1700.150	1701.680	1700.915	1703.974
4.5	1702.445	1697.091	1698.621	1697.091	1699.386
5.0	1698.621	1693.267	1694.032	1693.267	1695.562
5.5	1694.032	1689.443	1690.208	1688.678	1690.208
6.0	1689.443	1684.090	1685.619	1684.090	1686.384
6.5	1684.854	1678.736	1680.266	1678.736	1681.030
7.0	1679.501	1673.382	1674.147	1672.618	1675.677
7.5	1672.618	1668.794	1668.794	1666.499	1668.794
8.0	1666.499	1662.675	1662.675	1661.146	1663.440
8.5	1660.381	1655.792	1655.792	1653.498	1657.322
9.0	1654.262	1648.909	1648.909	1647.379	1651.203
9.5	1648.144	1642.790	1641.261	1640.496	1644.320
10.0	1640.496	1635.142	1634.378	1634.378	1636.672
10.5	1632.848	1628.259	1625.965	1625.965	1629.024
11.0	1625.200	1619.846	1617.552	1618.317	1621.376
11.5	1618.317	1612.963	1609.139	1610.669	1615.258
12.0	1609.904	1604.550	1600.726	1602.256	1607.610
12.5	1603.021	1596.138	1591.549	1593.843	1599.197
13.0	1595.373	1588.490	1582.371	1585.430	1591.549
13.5	1586.960	1580.077	1573.194	1576.253	1583.136
14.0	1578.547	1571.664	1562.486	1568.605	1575.488
14.5	1572.429	1562.486	1553.309	1559.427	1567.075
15.0	1564.781	1553.309	1543.366	1550.250	1558.662
15.5	1555.603	1544.131	1533.424	1541.072	1551.014
16.0	1547.190	1535.718	1524.246	1531.894	1542.602
16.5	1539.542	1526.541	1513.539	1522.717	1534.954
17.0	1531.130	1516.598	1502.832	1513.539	1527.306
17.5	1523.482	1507.421	1492.125	1505.126	1518.128
18.0	1514.304	1497.478	1482.182	1495.184	1508.950
18.5	1505.891	1489.066	1474.534	1486.006	1501.302
19.0	1497.478	1481.418	1464.592	1476.064	1492.890
19.5	1488.301	1471.475	1453.885	1469.181	1484.477
20.0	1479.888	1460.768	1445.472	1459.238	1476.064
20.5	1469.946	1450.826	1435.530	1451.590	1468.416
21.0	1461.533	1443.178	1424.822	1441.648	1463.062
21.5	1453.120	1434.000	1414.115	1431.706	1453.120
22.0	1443.942	1424.058	1403.408	1421.763	1443.942
22.5	1437.059	1412.586	1391.936	1411.056	1435.530
23.0	1430.941	1401.878	1383.523	1401.114	1425.587
23.5	1421.763	1393.466	1373.581	1389.642	1415.645
24.0	1411.056	1384.288	1362.874	1379.699	1406.467
24.5	1401.878	1373.581	1353.696	1370.522	1397.290
25.0	1394.230	1362.109	1342.989	1362.109	1386.582
25.5	1388.112	1351.402	1332.282	1351.402	1375.875
26.0	1378.170	1340.694	1320.810	1339.930	1365.933
26.5	1367.462	1332.282	1310.102	1329.222	1359.814

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BP-24-LS-8CS-BP2436W-DIM-UNV_40W_4000K_.IES****CANDELA TABULATION - (Cont.)**

27.0	1356.755	1321.574	1298.630	1317.750	1349.872
27.5	1346.813	1310.102	1287.158	1306.278	1339.165
28.0	1336.106	1298.630	1275.686	1294.806	1329.222
28.5	1325.398	1287.923	1264.214	1282.570	1318.515
29.0	1315.456	1276.451	1252.742	1271.098	1307.043
29.5	1304.749	1264.979	1241.270	1259.626	1296.336
30.0	1294.806	1254.272	1229.798	1248.154	1284.864
30.5	1284.099	1242.035	1217.562	1235.917	1274.157
31.0	1274.157	1231.328	1206.090	1224.445	1262.685
31.5	1263.450	1219.856	1193.853	1212.208	1251.213
32.0	1251.978	1208.384	1182.381	1199.971	1240.506
32.5	1241.270	1196.912	1170.909	1188.499	1229.034
33.0	1231.328	1184.675	1158.672	1176.262	1218.326
33.5	1220.621	1173.203	1146.435	1164.026	1206.854
34.0	1209.914	1161.731	1134.963	1152.554	1194.618
34.5	1198.442	1149.494	1122.726	1140.317	1182.381
35.0	1186.970	1138.022	1111.254	1128.080	1170.909
35.5	1175.498	1125.786	1099.018	1115.843	1159.437
36.0	1164.026	1113.549	1086.781	1103.606	1147.965
36.5	1152.554	1101.312	1074.544	1091.370	1136.493
37.0	1141.082	1089.840	1063.072	1079.133	1124.256
37.5	1128.845	1077.603	1050.835	1066.896	1112.019
38.0	1117.373	1065.366	1038.598	1054.659	1100.547
38.5	1105.136	1053.130	1025.597	1042.422	1088.310
39.0	1093.664	1040.893	1013.360	1030.186	1076.838
39.5	1081.427	1028.656	1001.123	1017.949	1064.602
40.0	1068.426	1017.184	988.886	1004.947	1052.365
40.5	1056.189	1004.182	976.650	991.946	1040.128
41.0	1044.717	991.946	963.648	979.709	1027.126
41.5	1032.480	979.709	950.646	966.707	1014.890
42.0	1021.008	967.472	938.410	954.470	1001.888
42.5	1008.771	954.470	926.173	941.469	988.886
43.0	995.770	942.234	913.171	929.232	976.650
43.5	983.533	929.232	900.170	916.230	963.648
44.0	971.296	916.230	887.933	903.229	950.646
44.5	959.059	903.994	874.931	890.227	937.645
45.0	946.058	890.992	862.694	877.226	924.643
45.5	933.056	877.990	849.693	864.224	910.877
46.0	920.054	864.989	836.691	851.222	897.875
46.5	907.818	851.987	823.690	838.221	884.874
47.0	894.051	838.986	810.688	824.454	871.872
47.5	881.050	825.984	798.451	811.453	858.106
48.0	867.283	812.982	785.450	797.686	845.104
48.5	853.517	799.981	772.448	784.685	831.338
49.0	840.515	786.214	759.140	771.683	817.571
49.5	827.514	773.213	745.986	758.146	804.570
50.0	813.747	760.594	732.908	744.839	790.038
50.5	799.981	747.439	719.906	731.455	776.272
51.0	786.979	734.361	706.522	718.147	762.429
51.5	773.213	720.977	693.291	704.687	748.433
52.0	759.599	707.899	680.060	691.150	734.973
52.5	746.062	694.591	666.982	677.766	720.824
53.0	732.220	681.284	654.210	664.229	706.446
53.5	718.683	667.976	641.055	650.768	692.297
54.0	705.222	654.592	627.977	637.461	678.301
54.5	691.456	641.132	614.976	624.230	664.229

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55.0	677.919	627.977	601.898	610.693	650.080
55.5	663.617	614.746	588.972	597.232	635.625
56.0	649.468	601.286	576.277	583.695	621.629
56.5	635.319	587.902	563.352	570.082	607.481
57.0	621.324	574.518	550.503	556.698	593.638
57.5	607.098	560.981	537.731	543.314	579.412
58.0	592.796	547.903	524.959	530.006	564.958
58.5	578.418	534.672	512.034	516.699	550.427
59.0	564.040	521.441	499.108	503.391	535.742
59.5	550.044	508.057	486.260	490.237	521.211
60.0	536.048	494.902	473.488	476.776	506.680
60.5	521.823	481.824	460.639	463.316	491.766
61.0	507.521	468.746	448.173	449.626	476.394
61.5	493.143	455.591	435.554	436.318	460.945
62.0	478.612	442.360	422.934	422.934	445.267
62.5	463.775	428.976	410.239	409.474	429.359
63.0	448.555	415.516	397.772	395.860	413.145
63.5	432.341	402.132	385.383	382.171	396.855
64.0	415.592	388.595	372.993	368.328	380.564
64.5	398.231	374.828	360.680	354.638	363.433
65.0	381.023	361.062	348.519	341.024	344.925
65.5	363.662	347.066	336.436	327.334	326.493
66.0	345.460	332.994	324.581	313.339	311.197
66.5	327.105	318.845	312.727	299.037	298.425
67.0	308.214	304.849	300.872	285.270	286.418
67.5	288.406	290.853	289.094	272.575	274.946
68.0	269.210	277.164	277.622	260.950	263.397
68.5	251.084	264.085	266.456	250.472	252.078
69.0	234.488	251.543	255.367	240.071	240.453
69.5	220.262	239.612	244.507	230.205	227.222
70.0	209.249	228.446	233.876	220.339	213.303
70.5	200.454	217.586	223.398	210.396	201.295
71.0	192.577	207.261	213.532	200.148	192.118
71.5	185.846	197.624	204.202	190.206	185.540
72.0	179.652	188.447	195.253	181.028	179.422
72.5	173.533	179.728	186.535	173.457	173.533
73.0	167.721	171.621	178.275	166.803	167.721
73.5	161.908	164.432	170.550	160.990	161.985
74.0	156.172	158.008	163.132	155.484	156.249
74.5	150.589	151.813	155.790	149.977	150.666
75.0	145.083	146.000	148.677	144.471	145.006
75.5	139.576	140.417	141.947	139.117	139.576
76.0	134.146	134.834	135.676	133.687	134.222
76.5	128.563	129.404	129.710	128.410	128.869
77.0	123.209	124.051	123.898	123.056	123.515
77.5	117.856	118.620	118.315	117.779	118.238
78.0	112.502	113.343	112.884	112.502	113.037
78.5	107.148	108.066	107.607	107.378	107.913
79.0	101.871	102.866	102.407	102.177	102.713
79.5	96.671	97.741	97.206	97.053	97.512
80.0	91.547	92.617	92.005	91.852	92.388
80.5	86.422	87.493	86.881	86.805	87.340
81.0	81.375	82.369	81.757	81.681	82.292
81.5	76.327	77.398	76.709	76.709	77.245
82.0	71.356	72.427	71.662	71.662	72.197
82.5	66.461	67.455	66.614	66.691	67.073

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BP-24-LS-8CS-BP2436W-DIM-UNV_40W_4000K_.IES****CANDELA TABULATION - (Cont.)**

83.0	61.566	62.484	61.719	61.796	62.102
83.5	56.748	57.513	56.748	56.901	57.207
84.0	51.930	52.618	51.930	52.006	52.389
84.5	47.112	47.800	47.112	47.188	47.571
85.0	42.370	43.058	42.370	42.446	42.829
85.5	37.628	38.316	37.705	37.781	38.164
86.0	33.039	33.651	33.116	33.116	33.575
86.5	28.451	29.139	28.680	28.680	28.986
87.0	24.015	25.009	24.550	24.474	24.627
87.5	19.579	21.338	21.108	21.032	20.956
88.0	15.296	17.973	17.820	18.202	18.432
88.5	11.090	14.684	15.067	15.755	16.061
89.0	7.266	11.931	12.696	13.384	13.843
89.5	4.512	9.636	10.478	11.090	11.625
90.0	2.524	7.419	8.183	8.795	9.484
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BP-24-LS-8CS-BP2436W-DIM-UNV_40W_4000K_.IES****CANDELA TABULATION - (Cont.)**

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BP-24-LS-8CS-BP2436W-DIM-UNV_40W_4000K_.IES****CANDELA TABULATION - (Cont.)**

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BP-24-LS-8CS-BP2436W-DIM-UNV_40W_4000K_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	596.72	N.A.	16.00
0-30	1224.25	N.A.	32.70
0-40	1936.14	N.A.	51.80
0-60	3182.1	N.A.	85.10
0-80	3689.64	N.A.	98.70
0-90	3738.38	N.A.	100.00
10-90	3578.55	N.A.	95.70
20-40	1339.42	N.A.	35.80
20-50	2026.2	N.A.	54.20
40-70	1595.82	N.A.	42.70
60-80	507.55	N.A.	13.60
70-80	157.68	N.A.	4.20
80-90	48.73	N.A.	1.30
90-110	0.21	N.A.	0.00
90-120	0.21	N.A.	0.00
90-130	0.21	N.A.	0.00
90-150	0.21	N.A.	0.00
90-180	0.21	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3738.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	159.83
10-20	436.89
20-30	627.53
30-40	711.89
40-50	686.78
50-60	559.17
60-70	349.87
70-80	157.68
80-90	48.73
90-100	0.21
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-24-LS-8CS-BP2436W-DIM-UNV_40W_4000K_.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	91	91	91	91	89	89	89	89	85	85	85	81	81	81	78	78	78	76
1	84	81	78	75	82	79	76	74	76	74	72	73	71	69	70	69	67	66
2	77	71	67	63	75	70	65	62	67	64	60	65	62	59	62	60	58	56
3	71	63	58	53	69	62	57	52	60	55	52	58	54	51	56	53	50	48
4	65	57	50	45	63	56	50	45	54	49	45	52	48	44	50	47	43	42
5	60	51	44	40	59	50	44	39	48	43	39	47	42	39	46	41	38	37
6	56	46	40	35	54	45	39	35	44	39	34	43	38	34	42	37	34	32
7	52	42	36	31	51	41	35	31	40	35	31	39	34	31	38	34	30	29
8	48	38	32	28	47	38	32	28	37	32	28	36	31	28	35	31	27	26
9	45	35	29	25	44	35	29	25	34	29	25	33	28	25	33	28	25	24
10	43	33	27	23	42	32	27	23	32	26	23	31	26	23	30	26	23	21

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-24-LS-8CS-BP2436W-DIM-UNV_40W_4000K_.IES

UGR TABLE - CORRECTED

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	14.6	16.2	15.0	16.5	16.8	14.4	15.9	14.7	16.2	16.6
	3H	15.7	17.1	16.0	17.4	17.7	15.4	16.8	15.8	17.2	17.5
	4H	16.0	17.3	16.4	17.6	18.0	15.8	17.1	16.2	17.4	17.8
	6H	16.3	17.5	16.7	17.8	18.2	16.1	17.3	16.5	17.7	18.1
	8H	16.4	17.5	16.8	17.9	18.3	16.2	17.3	16.6	17.7	18.1
	12H	16.4	17.5	16.9	17.9	18.3	16.3	17.4	16.7	17.8	18.2

UGR Viewed Endwise

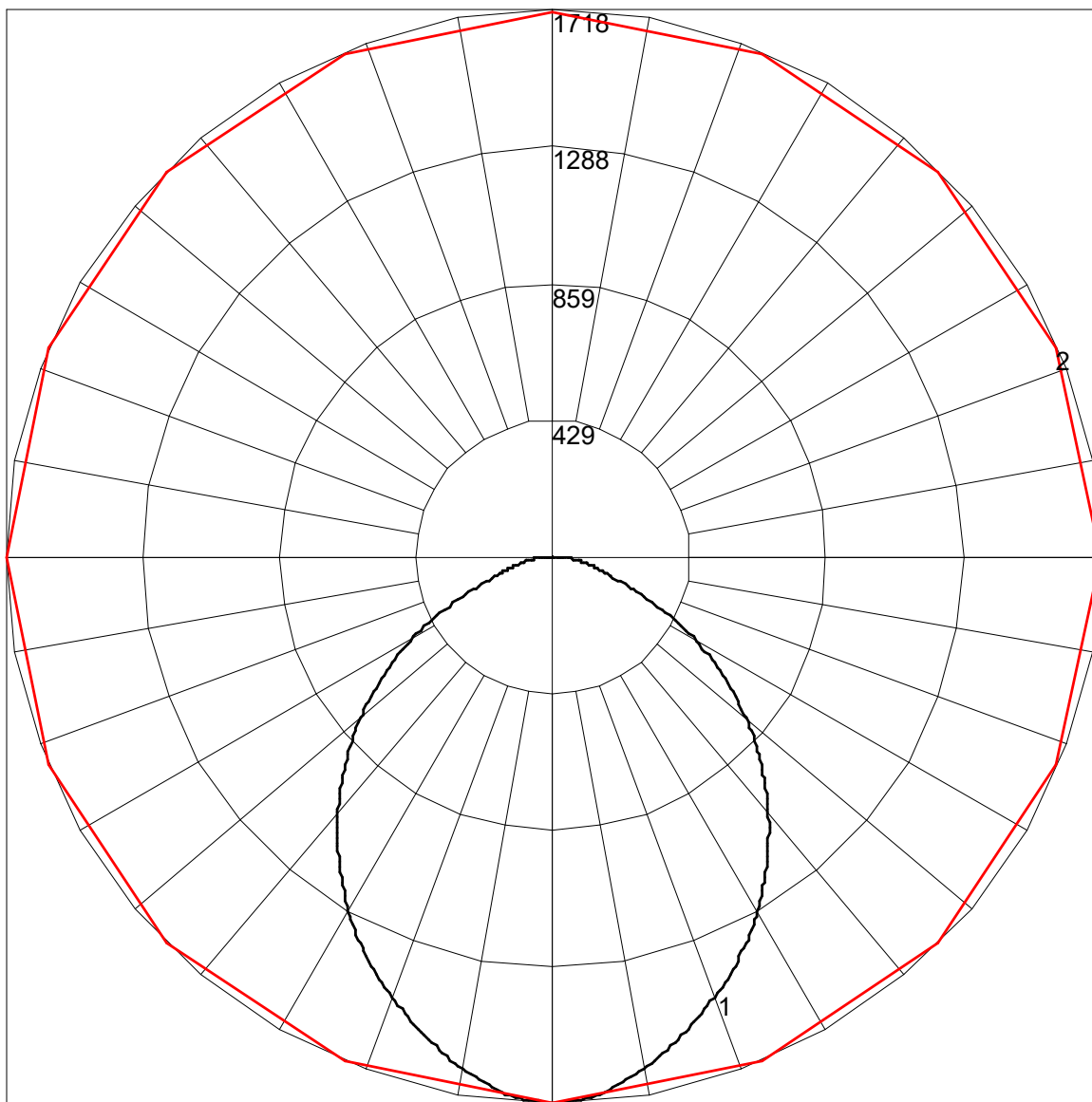
4H	2H	15.0	16.3	15.4	16.7	17.0	14.8	16.1	15.2	16.5	16.8
	3H	16.2	17.3	16.6	17.7	18.1	16.0	17.1	16.5	17.5	17.9
	4H	16.7	17.7	17.1	18.1	18.5	16.5	17.5	16.9	17.9	18.3
	6H	17.1	17.9	17.5	18.4	18.8	16.9	17.8	17.4	18.2	18.7
	8H	17.2	18.0	17.7	18.5	18.9	17.1	17.9	17.5	18.3	18.8
	12H	17.3	18.0	17.8	18.5	19.0	17.2	17.9	17.7	18.4	18.9
8H	4H	16.8	17.6	17.3	18.1	18.5	16.7	17.5	17.2	17.9	18.4
	6H	17.3	18.0	17.8	18.5	19.0	17.2	17.9	17.7	18.4	18.8
	8H	17.6	18.1	18.1	18.7	19.1	17.4	18.0	17.9	18.5	19.0
	12H	17.8	18.3	18.3	18.8	19.3	17.6	18.2	18.1	18.6	19.2
12H	4H	16.9	17.6	17.3	18.0	18.5	16.7	17.4	17.2	17.9	18.4
	6H	17.4	18.0	17.9	18.4	19.0	17.3	17.8	17.8	18.3	18.9
	8H	17.6	18.2	18.2	18.7	19.2	17.5	18.0	18.0	18.5	19.1

Maximum UGR = 19.3

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-24-LS-8CS-BP2436W-DIM-UNV_40W_4000K_.IES

POLAR GRAPH



Maximum Candela = 1717.741 Located At Horizontal Angle = 0, Vertical Angle = .5

1 - Vertical Plane Through Horizontal Angles (90 - 270)

2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)