

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-24-LS-8CS-BP2436S-DIM-UNV_40W_4000K_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #13374551.09

[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-BP2436S-DIM-UNV-40W-4000k

[LUMINAIRE] Formed white steel housing, semi specular 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	3436
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	38
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.32
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	2060	1940	2035
55	1874	1691	1816
65	1208	1078	1033
75	259	255	257
85	141	126	143

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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	1494.045	1494.045	1494.045	1494.045	1494.045
0.5	1495.575	1494.045	1494.045	1492.515	1495.575
1.0	1494.810	1492.515	1493.280	1492.515	1494.045
1.5	1494.045	1492.515	1493.280	1492.515	1494.045
2.0	1493.280	1490.985	1492.515	1490.985	1493.280
2.5	1492.515	1490.985	1490.985	1489.455	1492.515
3.0	1491.750	1490.220	1490.220	1488.690	1491.750
3.5	1490.220	1488.690	1489.455	1487.925	1490.985
4.0	1487.925	1487.160	1487.925	1487.160	1488.690
4.5	1486.395	1484.865	1485.630	1484.865	1486.395
5.0	1484.865	1483.335	1483.335	1482.570	1484.100
5.5	1482.570	1480.275	1481.040	1479.510	1481.805
6.0	1479.510	1477.980	1478.745	1476.450	1478.745
6.5	1476.450	1474.920	1476.450	1474.155	1475.685
7.0	1473.390	1471.860	1473.390	1471.095	1471.860
7.5	1470.330	1469.565	1470.330	1467.270	1468.035
8.0	1467.270	1465.740	1466.505	1464.210	1465.740
8.5	1464.210	1462.680	1462.680	1460.385	1461.150
9.0	1459.620	1458.090	1458.855	1455.795	1456.560
9.5	1455.795	1454.265	1455.030	1452.735	1452.735
10.0	1450.440	1449.675	1449.675	1447.380	1448.910
10.5	1446.615	1445.085	1447.380	1444.320	1443.555
11.0	1441.260	1442.790	1442.025	1442.790	1442.790
11.5	1436.670	1438.200	1437.435	1438.965	1439.730
12.0	1432.845	1434.375	1434.375	1433.610	1434.375
12.5	1427.490	1430.550	1429.020	1428.255	1429.785
13.0	1427.490	1425.960	1422.900	1422.900	1424.430
13.5	1422.135	1419.840	1416.780	1416.780	1419.840
14.0	1416.780	1413.720	1410.660	1411.425	1413.720
14.5	1412.190	1408.365	1404.540	1406.070	1409.130
15.0	1406.835	1403.775	1398.420	1400.715	1403.775
15.5	1407.600	1400.715	1394.595	1394.595	1399.185
16.0	1402.245	1392.300	1387.710	1393.830	1395.360
16.5	1397.655	1390.005	1383.885	1388.475	1393.065
17.0	1391.535	1385.415	1377.000	1383.120	1387.710
17.5	1386.180	1378.530	1370.115	1377.000	1382.355
18.0	1380.825	1373.175	1362.465	1370.115	1377.000
18.5	1374.705	1366.290	1355.580	1363.995	1371.645
19.0	1369.350	1360.170	1349.460	1357.875	1366.290
19.5	1362.465	1354.050	1342.575	1352.520	1360.935
20.0	1357.110	1347.165	1335.690	1346.400	1354.815
20.5	1350.990	1340.280	1328.805	1339.515	1349.460
21.0	1344.870	1333.395	1321.155	1332.630	1343.340
21.5	1338.750	1326.510	1314.270	1325.745	1337.220
22.0	1332.630	1318.860	1306.620	1318.860	1331.100
22.5	1326.510	1311.975	1298.970	1311.975	1324.980
23.0	1319.625	1304.325	1292.085	1305.090	1318.095
23.5	1313.505	1298.205	1284.435	1297.440	1311.975
24.0	1306.620	1290.555	1277.550	1289.790	1305.090
24.5	1299.735	1283.670	1269.900	1282.905	1298.205
25.0	1292.850	1275.255	1262.250	1275.255	1291.320
25.5	1285.965	1267.605	1254.600	1267.605	1284.435
26.0	1279.845	1259.190	1246.185	1259.190	1276.785
26.5	1272.195	1251.540	1237.770	1250.775	1269.900

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BP-24-LS-8CS-BP2436S-DIM-UNV_40W_4000K_.IES****CANDELA TABULATION - (Cont.)**

27.0	1264.545	1243.890	1230.120	1243.125	1262.250
27.5	1256.895	1235.475	1222.470	1235.475	1253.835
28.0	1249.245	1227.825	1214.055	1227.060	1246.185
28.5	1241.595	1219.410	1205.640	1218.645	1238.535
29.0	1233.945	1210.995	1197.225	1209.465	1230.885
29.5	1226.295	1202.580	1188.810	1201.050	1222.470
30.0	1217.880	1194.165	1180.395	1192.635	1214.055
30.5	1210.230	1184.985	1171.215	1183.455	1205.640
31.0	1202.580	1176.570	1162.800	1174.275	1197.225
31.5	1194.930	1168.155	1154.385	1165.095	1189.575
32.0	1186.515	1159.740	1145.205	1156.680	1181.160
32.5	1178.865	1150.560	1136.790	1147.500	1172.745
33.0	1169.685	1141.380	1127.610	1138.320	1163.565
33.5	1161.270	1132.200	1118.430	1129.140	1154.385
34.0	1153.620	1123.020	1108.485	1119.195	1145.970
34.5	1145.205	1113.840	1099.305	1110.015	1137.555
35.0	1135.260	1103.895	1090.125	1100.070	1128.375
35.5	1126.845	1094.715	1080.945	1090.890	1119.195
36.0	1117.665	1085.535	1071.765	1081.710	1109.250
36.5	1108.485	1075.590	1061.820	1071.765	1100.070
37.0	1099.305	1066.410	1051.875	1061.820	1090.890
37.5	1089.360	1056.465	1041.930	1051.875	1081.710
38.0	1079.415	1046.520	1031.985	1041.930	1071.765
38.5	1069.470	1035.810	1022.040	1031.985	1061.820
39.0	1060.290	1025.865	1012.095	1022.040	1052.640
39.5	1050.345	1015.920	1002.150	1011.330	1042.695
40.0	1039.635	1005.975	991.440	1000.620	1032.750
40.5	1029.690	996.030	981.495	990.675	1022.040
41.0	1019.745	985.320	970.785	979.965	1012.095
41.5	1009.800	974.610	960.075	969.255	1001.385
42.0	999.855	963.900	948.600	958.545	991.440
42.5	989.910	953.190	937.890	947.070	980.730
43.0	979.200	941.715	927.180	936.360	969.255
43.5	968.490	931.005	915.705	924.885	958.545
44.0	957.780	919.530	904.995	914.175	947.835
44.5	947.835	908.820	893.520	901.935	936.360
45.0	936.360	897.345	882.045	890.460	924.885
45.5	925.650	885.870	870.570	878.985	913.410
46.0	913.410	873.630	859.095	866.745	901.935
46.5	901.935	862.155	846.855	855.270	890.460
47.0	890.460	849.915	834.615	843.030	878.985
47.5	878.985	838.440	822.375	830.790	866.745
48.0	867.510	826.200	810.900	818.550	854.505
48.5	855.270	814.725	797.895	806.310	842.265
49.0	843.030	802.485	785.655	793.305	830.025
49.5	830.790	790.245	772.650	781.065	817.785
50.0	818.550	777.240	759.874	768.060	804.780
50.5	806.310	764.464	746.793	754.902	791.775
51.0	793.305	751.536	733.558	741.820	778.770
51.5	781.065	738.531	720.553	728.509	765.765
52.0	768.060	725.373	707.089	715.198	752.836
52.5	756.126	712.291	693.472	701.505	739.525
53.0	743.350	698.904	679.702	687.735	725.832
53.5	730.422	685.363	665.856	673.735	712.062
54.0	717.111	671.287	651.856	659.659	697.833
54.5	704.182	657.441	637.704	645.354	683.680

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55.0	691.024	643.288	623.322	630.819	669.604
55.5	677.713	629.289	608.710	616.054	655.069
56.0	663.561	614.907	594.099	601.213	639.846
56.5	649.485	600.295	579.258	586.296	624.316
57.0	635.256	585.531	564.034	570.843	608.634
57.5	620.797	570.613	548.734	555.313	592.492
58.0	606.033	555.160	533.128	539.478	575.662
58.5	590.350	539.631	517.216	523.336	558.450
59.0	574.209	523.642	501.151	506.965	540.472
59.5	557.914	507.577	485.010	489.982	521.959
60.0	541.084	491.130	468.562	472.693	503.370
60.5	523.566	474.606	451.962	455.022	484.168
61.0	504.900	457.623	435.132	437.197	464.202
61.5	485.469	440.104	417.996	418.837	443.776
62.0	465.273	421.974	400.554	400.324	422.509
62.5	444.159	403.614	382.882	381.123	400.860
63.0	422.586	384.642	365.134	361.845	378.445
63.5	399.942	365.593	347.233	342.261	354.960
64.0	376.686	346.086	329.332	322.524	330.862
64.5	352.818	326.272	311.125	302.404	306.229
65.0	328.261	306.076	292.995	282.055	280.525
65.5	303.781	285.880	275.017	261.783	256.351
66.0	278.307	265.531	257.269	241.281	236.002
66.5	251.608	245.182	239.674	221.085	218.178
67.0	225.445	224.833	222.385	201.807	200.736
67.5	200.277	205.020	205.555	184.059	183.906
68.0	176.179	185.818	189.031	168.300	166.923
68.5	153.994	167.535	173.119	153.688	150.093
69.0	134.028	150.705	157.743	139.765	133.645
69.5	116.815	135.252	142.902	126.148	116.662
70.0	102.280	121.099	129.055	113.143	100.062
70.5	90.423	108.171	116.127	100.750	87.133
71.0	81.166	96.007	104.116	88.663	79.254
71.5	74.205	84.685	93.330	77.188	72.751
72.0	68.238	74.664	83.691	67.932	67.090
72.5	62.959	66.172	74.970	61.276	62.041
73.0	58.216	59.364	67.090	56.227	57.451
73.5	53.932	53.703	59.899	51.790	53.320
74.0	49.954	48.960	53.397	47.812	49.495
74.5	46.359	45.058	47.506	44.217	46.053
75.0	43.069	41.616	42.381	41.004	42.840
75.5	40.086	38.556	37.867	38.020	39.856
76.0	37.255	35.725	34.042	35.266	37.179
76.5	34.731	33.124	30.982	32.742	34.654
77.0	32.359	30.753	28.381	30.447	32.283
77.5	30.064	28.534	26.239	28.305	30.064
78.0	27.999	26.469	24.327	26.316	27.922
78.5	26.010	24.556	22.491	24.403	26.010
79.0	24.097	22.720	20.884	22.644	24.097
79.5	22.338	21.037	19.354	20.961	22.414
80.0	20.655	19.507	17.901	19.431	20.731
80.5	19.125	17.977	16.600	17.977	19.201
81.0	17.671	16.600	15.300	16.524	17.671
81.5	16.218	15.300	14.076	15.223	16.218
82.0	14.917	13.999	12.928	13.923	14.917
82.5	13.617	12.775	11.857	12.699	13.617

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BP-24-LS-8CS-BP2436S-DIM-UNV_40W_4000K_.IES****CANDELA TABULATION - (Cont.)**

83.0	12.316	11.628	10.863	11.551	12.316
83.5	11.169	10.557	9.792	10.480	11.169
84.0	10.021	9.486	8.874	9.333	10.098
84.5	8.950	8.415	7.956	8.338	9.027
85.0	7.879	7.497	7.038	7.344	8.032
85.5	6.885	6.502	6.196	6.426	7.038
86.0	5.890	5.661	5.355	5.584	6.196
86.5	4.972	4.819	4.590	4.743	5.278
87.0	4.054	4.054	3.901	4.054	4.437
87.5	3.289	3.366	3.289	3.442	3.748
88.0	2.524	2.754	2.754	2.983	3.213
88.5	1.836	2.295	2.371	2.524	2.754
89.0	1.224	1.836	1.912	2.065	2.295
89.5	0.918	1.453	1.530	1.683	1.912
90.0	0.612	1.071	1.224	1.300	1.530
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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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-BP2436S-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-BP2436S-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-BP2436S-DIM-UNV_40W_4000K_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	536.36	N.A.	15.60
0-30	1124.04	N.A.	32.70
0-40	1815.91	N.A.	52.80
0-60	3081.29	N.A.	89.70
0-80	3426.87	N.A.	99.70
0-90	3435.96	N.A.	100.00
10-90	3295.46	N.A.	95.90
20-40	1279.55	N.A.	37.20
20-50	1972.47	N.A.	57.40
40-70	1558.54	N.A.	45.40
60-80	345.58	N.A.	10.10
70-80	52.42	N.A.	1.50
80-90	9.09	N.A.	0.30
90-110	0.03	N.A.	0.00
90-120	0.03	N.A.	0.00
90-130	0.03	N.A.	0.00
90-150	0.03	N.A.	0.00
90-180	0.03	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3436.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	140.50
10-20	395.86
20-30	587.68
30-40	691.87
40-50	692.92
50-60	572.47
60-70	293.16
70-80	52.42
80-90	9.09
90-100	0.03
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-BP2436S-DIM-UNV_40W_4000K_.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	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	85	82	79	77	83	80	78	75	77	75	73	74	72	71	71	70	69	67
2	78	73	68	64	76	71	67	63	68	65	62	66	63	61	64	61	59	58
3	72	65	59	55	70	63	58	54	61	57	53	59	55	52	57	54	51	50
4	66	58	52	47	64	57	51	47	55	50	46	53	49	45	51	48	45	43
5	61	52	45	41	59	51	45	41	49	44	40	48	43	40	47	43	39	38
6	56	47	40	36	55	46	40	36	45	39	35	44	39	35	42	38	35	33
7	52	43	36	32	51	42	36	32	41	35	32	40	35	31	39	34	31	30
8	49	39	33	29	48	38	33	28	37	32	28	37	32	28	36	31	28	27
9	46	36	30	26	45	35	30	26	35	29	26	34	29	25	33	29	25	24
10	43	33	27	23	42	33	27	23	32	27	23	31	27	23	31	26	23	22

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-24-LS-8CS-BP2436S-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	15.1	16.6	15.4	16.9	17.2	14.9	16.4	15.2	16.7	17.0
	3H	15.4	16.8	15.8	17.1	17.5	15.2	16.5	15.6	16.9	17.2
	4H	15.4	16.7	15.8	17.0	17.4	15.2	16.4	15.6	16.8	17.2
	6H	15.4	16.5	15.8	16.9	17.3	15.1	16.3	15.6	16.7	17.1
	8H	15.3	16.5	15.8	16.8	17.2	15.1	16.2	15.5	16.6	17.0
	12H	15.3	16.4	15.8	16.8	17.2	15.1	16.1	15.5	16.5	17.0

UGR Viewed Endwise

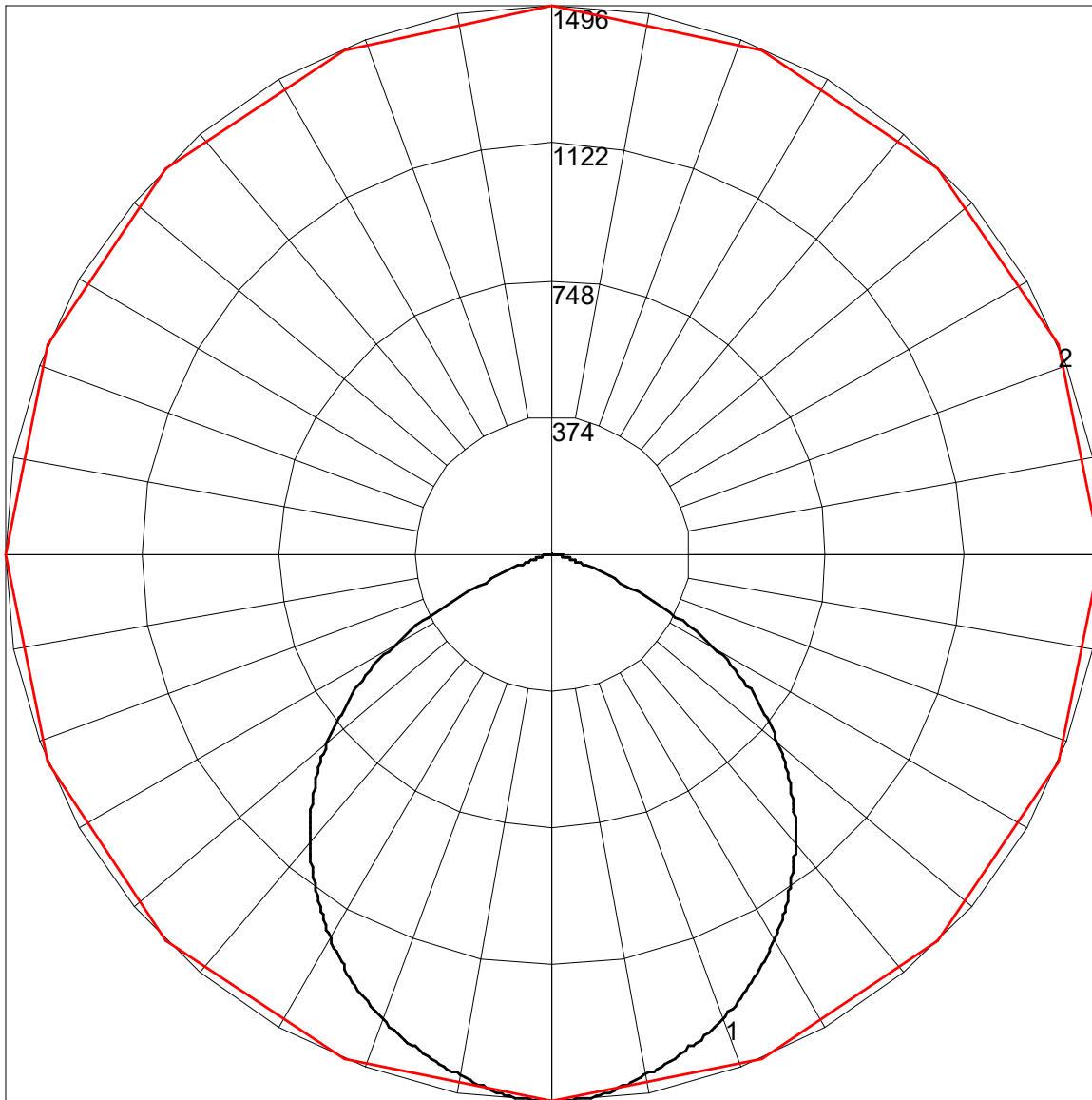
4H	2H	15.3	16.6	15.7	16.9	17.3	15.1	16.4	15.5	16.7	17.1
	3H	15.7	16.8	16.1	17.2	17.6	15.5	16.5	15.9	16.9	17.3
	4H	15.7	16.6	16.2	17.1	17.5	15.5	16.4	15.9	16.8	17.3
	6H	15.7	16.5	16.1	16.9	17.4	15.5	16.3	15.9	16.7	17.2
	8H	15.7	16.4	16.1	16.8	17.3	15.4	16.2	15.9	16.6	17.1
	12H	15.6	16.3	16.1	16.8	17.2	15.4	16.1	15.9	16.6	17.0

8H	4H	15.6	16.4	16.1	16.8	17.3	15.4	16.2	15.9	16.6	17.1
	6H	15.6	16.2	16.1	16.7	17.2	15.4	16.0	15.9	16.5	17.0
	8H	15.6	16.1	16.1	16.6	17.1	15.4	15.9	15.9	16.4	16.9
	12H	15.5	16.0	16.1	16.5	17.1	15.3	15.8	15.9	16.3	16.9

12H	4H	15.6	16.3	16.1	16.8	17.2	15.4	16.1	15.9	16.5	17.0
	6H	15.6	16.1	16.1	16.6	17.1	15.4	15.9	15.9	16.4	16.9
	8H	15.5	16.0	16.1	16.5	17.1	15.3	15.8	15.8	16.3	16.9

Maximum UGR = 17.6

POLAR GRAPH



Maximum Candela = 1495.575 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.)