

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-22-LS-8CS-BP2244W-DIM-UNV_40W_4000K_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #13374551.06

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 11/15/2023

[MANUFAC] WILLIAMS INDOOR

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

[LUMCAT] BP-22-LS-8CS-BP2244W-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	3314
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	38
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.08
Spacing Criterion (90-270)	1.08
Spacing Criterion (Diagonal)	1.14
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.81 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	3779	3441	3773
55	3073	2827	3067
65	1864	2021	1877
75	1649	1644	1679
85	1360	1379	1442

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-22-LS-8CS-BP2244W-DIM-UNV_40W_4000K_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1711.379	1711.379	1711.379	1711.379	1711.379
0.5	1714.733	1713.056	1711.379	1709.702	1706.348
1.0	1713.894	1712.217	1710.540	1708.863	1706.348
1.5	1712.217	1712.217	1709.702	1708.025	1704.671
2.0	1712.217	1709.702	1708.025	1706.348	1703.832
2.5	1708.863	1708.025	1706.348	1704.671	1701.317
3.0	1706.348	1706.348	1704.671	1702.155	1698.801
3.5	1703.832	1702.994	1701.317	1699.640	1695.447
4.0	1700.478	1699.640	1697.963	1696.286	1692.093
4.5	1696.286	1696.286	1694.609	1692.932	1689.578
5.0	1692.093	1692.093	1690.416	1688.739	1686.224
5.5	1687.901	1687.062	1685.385	1683.708	1679.516
6.0	1681.193	1681.193	1680.354	1678.677	1674.485
6.5	1676.162	1676.162	1674.485	1672.808	1669.454
7.0	1670.292	1669.454	1668.615	1666.938	1661.907
7.5	1661.907	1661.907	1661.907	1659.392	1655.199
8.0	1654.361	1654.361	1655.199	1651.845	1648.491
8.5	1645.137	1645.976	1646.814	1644.299	1640.945
9.0	1635.914	1637.591	1638.429	1635.914	1631.721
9.5	1626.690	1629.206	1629.206	1627.529	1624.175
10.0	1616.628	1619.144	1619.982	1618.305	1614.951
10.5	1609.082	1609.920	1609.920	1609.082	1606.566
11.0	1599.858	1599.020	1599.020	1599.858	1597.343
11.5	1590.635	1590.635	1588.119	1590.635	1588.119
12.0	1580.573	1580.573	1576.380	1579.734	1578.896
12.5	1572.188	1570.511	1565.480	1570.511	1569.672
13.0	1562.964	1560.449	1552.902	1560.449	1562.126
13.5	1553.741	1550.387	1541.163	1550.387	1552.064
14.0	1544.517	1539.486	1529.424	1540.325	1542.840
14.5	1536.132	1529.424	1517.685	1531.101	1534.455
15.0	1526.070	1519.362	1505.108	1520.201	1525.232
15.5	1516.847	1509.300	1493.369	1510.139	1515.170
16.0	1507.623	1498.400	1480.791	1499.238	1505.946
16.5	1497.561	1487.499	1469.052	1488.338	1496.723
17.0	1488.338	1476.599	1456.475	1478.276	1487.499
17.5	1479.114	1465.698	1443.897	1466.537	1477.437
18.0	1468.214	1454.798	1432.158	1455.636	1467.375
18.5	1458.990	1443.897	1420.419	1443.897	1458.152
19.0	1448.928	1432.158	1407.842	1432.997	1446.413
19.5	1438.028	1420.419	1395.264	1421.258	1437.189
20.0	1427.966	1409.519	1384.364	1409.519	1427.127
20.5	1418.742	1397.780	1371.786	1397.780	1417.065
21.0	1408.680	1386.041	1359.209	1386.879	1407.003
21.5	1398.618	1374.302	1347.470	1374.302	1396.103
22.0	1387.718	1362.563	1335.731	1361.724	1386.041
22.5	1377.656	1350.824	1323.153	1349.147	1375.140
23.0	1365.917	1338.246	1310.576	1337.408	1365.078
23.5	1355.016	1325.669	1298.837	1324.830	1355.016
24.0	1344.954	1313.930	1287.098	1313.091	1344.116
24.5	1334.054	1301.352	1274.520	1300.514	1332.377
25.0	1322.315	1289.613	1261.943	1287.936	1322.315
25.5	1312.253	1277.036	1250.204	1276.197	1311.414
26.0	1301.352	1264.458	1237.626	1264.458	1300.514
26.5	1290.452	1252.719	1225.887	1251.881	1288.775

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BP-22-LS-8CS-BP2244W-DIM-UNV_40W_4000K_.IES****CANDELA TABULATION - (Cont.)**

27.0	1279.551	1240.142	1213.310	1239.303	1277.874
27.5	1267.812	1227.564	1201.571	1227.564	1266.974
28.0	1256.912	1215.825	1188.993	1214.148	1255.235
28.5	1246.011	1202.409	1176.416	1202.409	1244.334
29.0	1234.272	1190.670	1164.677	1189.832	1231.757
29.5	1222.533	1178.931	1152.099	1177.254	1220.856
30.0	1211.633	1165.515	1139.522	1165.515	1209.956
30.5	1199.894	1153.776	1126.944	1152.099	1197.378
31.0	1188.155	1141.199	1114.367	1139.522	1186.478
31.5	1175.577	1128.621	1101.789	1126.944	1173.900
32.0	1163.838	1115.205	1089.212	1114.367	1163.000
32.5	1151.261	1103.466	1075.796	1100.951	1150.422
33.0	1139.522	1090.050	1063.218	1088.373	1137.845
33.5	1126.106	1076.634	1049.802	1074.957	1125.267
34.0	1113.528	1064.057	1037.225	1062.380	1112.690
34.5	1100.951	1050.641	1023.809	1048.964	1100.112
35.0	1087.535	1037.225	1010.393	1035.548	1086.696
35.5	1074.119	1022.970	996.977	1022.132	1074.119
36.0	1061.541	1009.554	983.561	1007.877	1060.703
36.5	1048.125	996.138	970.145	994.461	1046.448
37.0	1034.709	982.722	956.729	981.045	1033.871
37.5	1020.455	968.468	942.474	966.791	1020.455
38.0	1007.039	955.052	929.058	953.375	1006.200
38.5	994.461	941.636	915.642	939.120	992.784
39.0	980.207	927.381	902.226	925.704	978.530
39.5	966.791	913.127	888.810	911.450	965.114
40.0	953.375	899.711	875.394	898.034	950.859
40.5	939.120	886.295	861.978	884.618	937.443
41.0	926.543	872.040	848.562	871.202	924.027
41.5	912.288	858.624	834.978	856.947	910.611
42.0	898.872	845.208	821.982	843.531	896.357
42.5	884.618	832.044	808.733	830.283	882.941
43.0	871.202	818.544	795.653	816.615	869.525
43.5	857.786	805.799	782.824	803.618	856.109
44.0	843.531	792.383	770.078	790.370	842.693
44.5	830.450	778.715	756.662	776.870	828.690
45.0	816.699	766.054	743.666	763.874	815.357
45.5	803.199	753.308	730.837	750.290	801.941
46.0	789.783	739.976	718.427	737.461	788.525
46.5	776.032	727.483	705.598	724.296	774.606
47.0	762.616	713.815	692.936	711.048	761.106
47.5	748.445	700.651	680.778	698.135	747.020
48.0	734.694	688.409	668.536	685.474	733.268
48.5	720.523	675.496	655.707	672.812	719.098
49.0	706.856	661.996	643.800	660.151	705.011
49.5	693.188	649.251	631.139	647.070	691.092
50.0	679.688	636.925	618.813	634.158	678.263
50.5	665.601	624.515	606.906	621.077	664.092
51.0	651.515	611.267	594.413	607.829	650.005
51.5	638.434	598.018	582.171	595.251	635.667
52.0	626.108	584.770	570.180	582.758	621.748
52.5	611.770	572.612	557.603	569.928	607.577
53.0	597.347	559.280	545.109	556.680	593.239
53.5	582.841	546.199	532.699	543.432	580.494
54.0	568.168	532.951	520.373	530.351	566.323
54.5	553.326	519.954	508.047	517.019	551.985

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BP-22-LS-8CS-BP2244W-DIM-UNV_40W_4000K_.IES****CANDELA TABULATION - (Cont.)**

55.0	538.820	506.622	495.554	503.687	537.730
55.5	523.643	493.373	483.228	490.690	523.224
56.0	508.215	480.125	470.902	477.526	507.963
56.5	492.367	466.793	458.492	464.445	491.948
57.0	475.933	453.377	446.417	451.281	474.843
57.5	458.240	439.877	434.091	437.949	456.731
58.0	439.290	425.958	422.017	424.365	437.529
58.5	421.095	411.955	409.775	410.278	416.483
59.0	400.635	397.784	397.784	395.940	395.185
59.5	378.247	382.943	385.710	381.014	376.570
60.0	354.602	367.682	373.636	366.005	360.136
60.5	331.878	352.589	361.729	350.409	345.210
61.0	313.096	337.077	349.906	335.400	330.117
61.5	298.422	321.816	338.083	321.146	313.767
62.0	285.174	306.975	326.596	308.400	296.745
62.5	274.693	293.140	315.108	296.326	281.149
63.0	267.062	281.065	303.872	284.503	269.913
63.5	260.187	269.997	292.804	272.177	261.864
64.0	253.562	259.600	281.820	260.103	255.072
64.5	247.190	250.376	271.255	249.370	248.531
65.0	240.817	242.746	261.109	241.236	242.410
65.5	234.780	235.702	251.298	234.696	236.373
66.0	228.743	228.827	241.823	228.491	230.671
66.5	222.873	222.622	232.851	222.538	225.053
67.0	216.836	216.668	224.383	216.752	219.184
67.5	211.050	210.799	216.417	210.967	213.398
68.0	205.181	205.097	208.787	205.265	207.864
68.5	199.479	199.395	201.743	199.731	202.079
69.0	194.029	193.777	195.035	194.113	196.377
69.5	188.495	188.327	188.663	188.663	190.759
70.0	182.877	182.793	182.709	183.128	185.392
70.5	177.427	177.259	176.924	177.846	180.026
71.0	171.976	171.809	171.306	172.479	174.576
71.5	166.610	166.526	165.939	167.113	169.209
72.0	161.327	161.160	160.740	161.831	163.927
72.5	156.129	155.793	155.542	156.548	158.560
73.0	150.930	150.511	150.343	151.349	153.362
73.5	145.647	145.396	145.228	146.234	148.163
74.0	140.616	140.197	140.113	141.120	143.048
74.5	135.585	134.999	135.082	136.005	137.933
75.0	130.471	130.051	130.051	130.890	132.818
75.5	125.440	125.020	125.104	125.943	127.704
76.0	120.492	119.989	120.157	120.996	122.673
76.5	115.461	115.126	115.210	116.048	117.642
77.0	110.598	110.263	110.347	111.185	112.694
77.5	105.651	105.316	105.483	106.322	107.747
78.0	100.704	100.536	100.704	101.459	102.884
78.5	95.841	95.757	95.924	96.679	98.021
79.0	90.977	91.061	91.145	91.900	93.157
79.5	86.198	86.366	86.449	87.204	88.378
80.0	81.502	81.670	81.754	82.508	83.598
80.5	76.807	77.058	77.142	77.897	78.903
81.0	72.111	72.446	72.530	73.201	74.207
81.5	67.415	67.835	67.919	68.589	69.512
82.0	62.804	63.223	63.391	64.061	64.900
82.5	58.192	58.695	58.779	59.534	60.288

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BP-22-LS-8CS-BP2244W-DIM-UNV_40W_4000K_.IES****CANDELA TABULATION - (Cont.)**

83.0	53.748	54.167	54.335	55.006	55.844
83.5	49.304	49.723	49.891	50.478	51.400
84.0	44.860	45.363	45.447	46.034	47.040
84.5	40.583	40.919	41.087	41.673	42.680
85.0	36.223	36.642	36.726	37.313	38.403
85.5	31.947	32.282	32.450	32.953	34.127
86.0	27.671	28.090	28.257	28.677	29.934
86.5	23.562	23.981	24.149	24.568	25.826
87.0	19.453	19.956	20.040	20.543	21.885
87.5	15.512	16.099	16.267	16.686	18.028
88.0	11.655	12.661	12.829	13.248	14.255
88.5	7.966	9.643	9.978	10.481	11.404
89.0	4.612	6.876	7.463	8.385	9.307
89.5	1.929	4.696	5.450	6.373	7.211
90.0	0.755	3.102	3.606	4.360	5.283
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BP-22-LS-8CS-BP2244W-DIM-UNV_40W_4000K_.IES****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-22-LS-8CS-BP2244W-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-22-LS-8CS-BP2244W-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-22-LS-8CS-BP2244W-DIM-UNV_40W_4000K_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	585.55	N.A.	17.70
0-30	1179.31	N.A.	35.60
0-40	1829.8	N.A.	55.20
0-60	2879.65	N.A.	86.90
0-80	3271.56	N.A.	98.70
0-90	3313.48	N.A.	100.00
10-90	3154.45	N.A.	95.20
20-40	1244.25	N.A.	37.60
20-50	1839.94	N.A.	55.50
40-70	1303.25	N.A.	39.30
60-80	391.91	N.A.	11.80
70-80	138.50	N.A.	4.20
80-90	41.92	N.A.	1.30
90-110	0.10	N.A.	0.00
90-120	0.10	N.A.	0.00
90-130	0.10	N.A.	0.00
90-150	0.10	N.A.	0.00
90-180	0.10	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3313.57	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	159.03
10-20	426.52
20-30	593.76
30-40	650.49
40-50	595.69
50-60	454.15
60-70	253.41
70-80	138.50
80-90	41.92
90-100	0.10
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-22-LS-8CS-BP2244W-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	100	100	100	100	97	97	97	97	93	93	93	89	89	89	86	86	86	84
1	92	89	86	83	90	87	84	82	83	81	79	80	78	77	77	76	74	73
2	85	79	74	70	83	77	73	69	74	70	67	72	68	66	69	67	64	62
3	78	70	64	59	76	69	63	59	67	62	58	64	60	57	62	59	56	54
4	72	63	56	51	70	62	56	51	60	55	50	58	53	50	56	52	49	47
5	67	57	50	45	65	56	50	45	54	49	44	53	48	44	51	47	43	42
6	62	52	45	40	61	51	45	40	50	44	39	48	43	39	47	42	39	37
7	58	47	41	36	57	47	40	36	46	40	35	44	39	35	43	39	35	33
8	54	44	37	32	53	43	37	32	42	36	32	41	36	32	40	35	32	30
9	51	40	34	29	50	40	34	29	39	33	29	38	33	29	37	32	29	27
10	48	37	31	27	47	37	31	27	36	31	27	35	30	27	35	30	26	25

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-22-LS-8CS-BP2244W-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	15.6	17.1	16.0	17.5	17.8	15.6	17.1	16.0	17.4	17.7
	3H	16.7	18.0	17.0	18.3	18.7	16.7	18.0	17.0	18.3	18.7
	4H	17.1	18.4	17.5	18.7	19.1	17.1	18.4	17.5	18.7	19.1
	6H	17.5	18.6	17.9	19.0	19.4	17.5	18.7	17.9	19.0	19.4
	8H	17.6	18.7	18.0	19.1	19.5	17.6	18.7	18.1	19.1	19.5
	12H	17.7	18.8	18.1	19.1	19.6	17.7	18.8	18.2	19.2	19.6

UGR Viewed Endwise

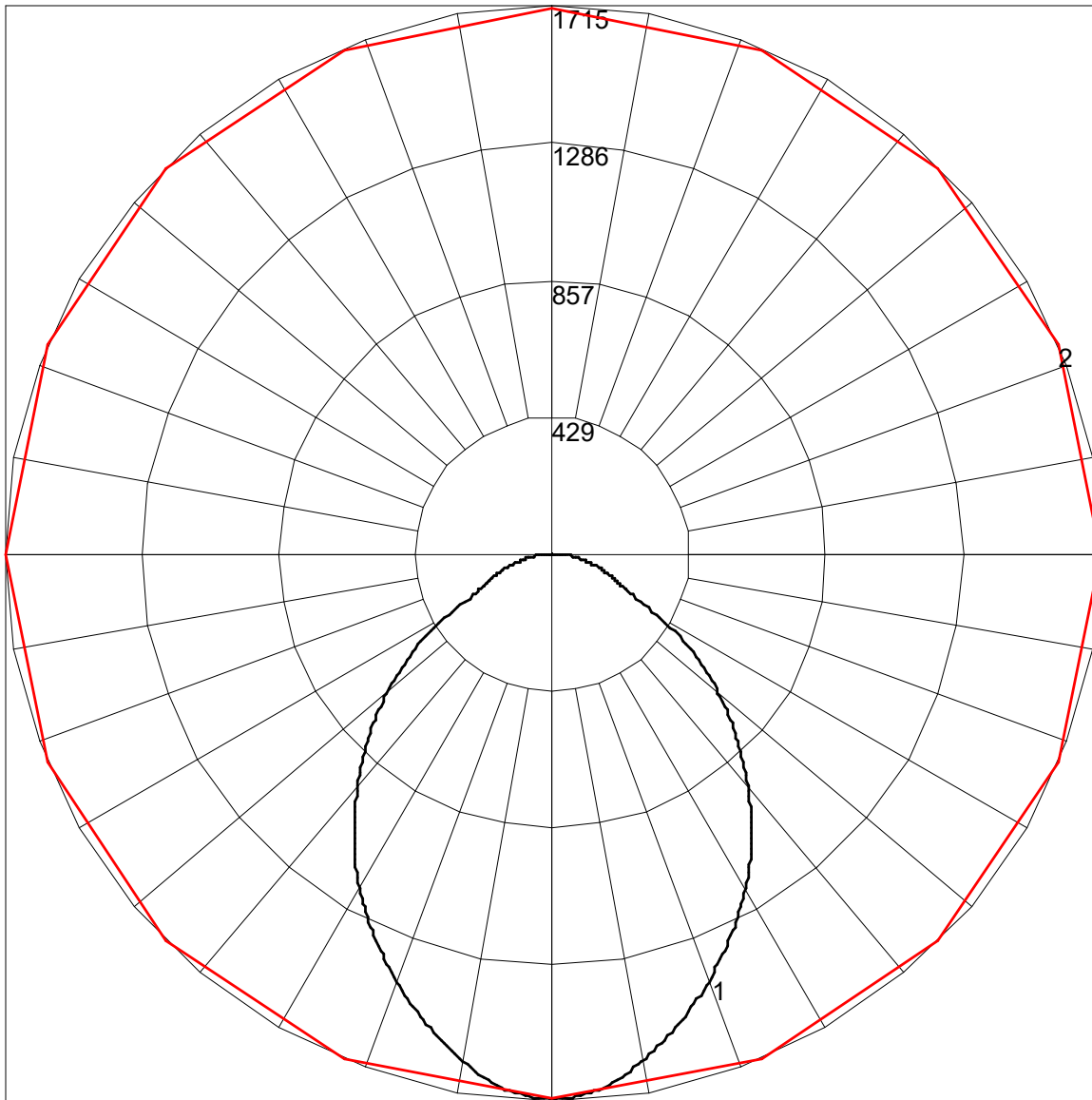
4H	2H	16.0	17.2	16.4	17.6	18.0	16.0	17.2	16.4	17.6	18.0
	3H	17.2	18.3	17.7	18.7	19.1	17.2	18.3	17.7	18.7	19.1
	4H	17.8	18.8	18.3	19.2	19.6	17.9	18.8	18.3	19.2	19.6
	6H	18.3	19.2	18.8	19.6	20.1	18.4	19.2	18.8	19.6	20.1
	8H	18.5	19.3	19.0	19.7	20.2	18.5	19.3	19.0	19.8	20.2
	12H	18.6	19.3	19.1	19.8	20.3	18.7	19.4	19.2	19.9	20.3
8H	4H	18.0	18.8	18.5	19.3	19.7	18.1	18.8	18.5	19.3	19.7
	6H	18.7	19.3	19.2	19.8	20.3	18.7	19.3	19.2	19.8	20.3
	8H	18.9	19.5	19.4	20.0	20.5	18.9	19.5	19.5	20.0	20.5
	12H	19.1	19.6	19.6	20.1	20.7	19.2	19.7	19.7	20.2	20.7
12H	4H	18.1	18.7	18.5	19.2	19.7	18.1	18.8	18.6	19.2	19.7
	6H	18.7	19.3	19.2	19.8	20.3	18.7	19.3	19.3	19.8	20.3
	8H	19.0	19.5	19.5	20.0	20.6	19.0	19.6	19.5	20.0	20.6

Maximum UGR = 20.7

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-22-LS-8CS-BP2244W-DIM-UNV_40W_4000K_.IES

POLAR GRAPH



Maximum Candela = 1714.733 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.)