

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-22-LS-8CS-BP2244S-DIM-UNV\_40W\_4000K\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #13374551.05

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 11/15/2023

[MANUFAC] WILLIAMS INDOOR

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

[LUMCAT] BP-22-LS-8CS-BP2244S-DIM-UNV-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	2982
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	38
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.26
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	3914	3615	3883
55	3405	2926	3357
65	929	1099	959
75	383	328	384
85	223	205	233

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BP-22-LS-8CS-BP2244S-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>
<b>0.0</b>	1437.684	1437.684	1437.684	1437.684	1437.684
<b>0.5</b>	1438.523	1439.361	1437.684	1437.684	1435.170
<b>1.0</b>	1438.523	1438.523	1437.684	1436.846	1436.008
<b>1.5</b>	1437.684	1438.523	1437.684	1436.008	1434.331
<b>2.0</b>	1437.684	1437.684	1436.008	1436.008	1433.493
<b>2.5</b>	1436.008	1436.846	1436.008	1435.170	1432.655
<b>3.0</b>	1435.170	1436.008	1434.331	1433.493	1431.816
<b>3.5</b>	1434.331	1435.170	1433.493	1432.655	1430.978
<b>4.0</b>	1432.655	1433.493	1432.655	1431.816	1429.301
<b>4.5</b>	1430.978	1431.816	1430.140	1430.140	1427.625
<b>5.0</b>	1430.140	1430.140	1429.301	1428.463	1425.948
<b>5.5</b>	1427.625	1428.463	1427.625	1425.948	1423.433
<b>6.0</b>	1425.110	1425.948	1424.272	1423.433	1420.918
<b>6.5</b>	1422.595	1423.433	1422.595	1420.918	1417.565
<b>7.0</b>	1419.242	1420.080	1419.242	1417.565	1414.212
<b>7.5</b>	1415.050	1416.727	1416.727	1413.374	1410.021
<b>8.0</b>	1410.021	1412.535	1413.374	1410.021	1405.829
<b>8.5</b>	1404.991	1407.506	1409.182	1404.991	1401.638
<b>9.0</b>	1400.799	1403.314	1404.991	1400.799	1396.608
<b>9.5</b>	1394.931	1398.284	1399.961	1395.769	1391.578
<b>10.0</b>	1389.901	1393.255	1394.931	1389.901	1386.548
<b>10.5</b>	1384.872	1387.386	1389.063	1384.872	1381.518
<b>11.0</b>	1379.003	1382.357	1383.195	1379.842	1375.650
<b>11.5</b>	1373.974	1376.489	1377.327	1373.974	1370.620
<b>12.0</b>	1368.106	1370.620	1370.620	1368.106	1364.752
<b>12.5</b>	1363.076	1364.752	1363.076	1363.076	1359.723
<b>13.0</b>	1357.208	1359.723	1355.531	1358.046	1354.693
<b>13.5</b>	1353.016	1353.854	1348.825	1351.340	1348.825
<b>14.0</b>	1347.148	1347.986	1341.280	1345.471	1342.957
<b>14.5</b>	1342.957	1342.118	1333.735	1340.442	1337.927
<b>15.0</b>	1337.088	1336.250	1326.191	1334.574	1332.897
<b>15.5</b>	1331.220	1330.382	1318.646	1327.867	1327.867
<b>16.0</b>	1327.029	1324.514	1311.101	1321.999	1321.999
<b>16.5</b>	1321.161	1317.808	1303.556	1316.131	1316.969
<b>17.0</b>	1315.293	1311.939	1296.012	1309.425	1310.263
<b>17.5</b>	1310.263	1305.233	1288.467	1302.718	1305.233
<b>18.0</b>	1305.233	1298.527	1280.922	1296.850	1299.365
<b>18.5</b>	1299.365	1292.659	1274.216	1290.144	1293.497
<b>19.0</b>	1293.497	1285.114	1265.833	1283.437	1287.629
<b>19.5</b>	1286.790	1278.407	1259.127	1275.893	1281.761
<b>20.0</b>	1281.761	1271.701	1250.744	1268.348	1275.893
<b>20.5</b>	1275.054	1264.156	1244.037	1261.641	1270.024
<b>21.0</b>	1269.186	1256.612	1236.492	1254.935	1263.318
<b>21.5</b>	1262.480	1249.905	1228.109	1246.552	1257.450
<b>22.0</b>	1256.612	1241.522	1221.403	1239.846	1250.744
<b>22.5</b>	1249.905	1233.978	1213.858	1231.463	1244.037
<b>23.0</b>	1243.199	1226.433	1205.475	1223.918	1237.331
<b>23.5</b>	1236.492	1218.888	1197.931	1216.373	1230.624
<b>24.0</b>	1229.786	1211.343	1190.386	1207.990	1224.756
<b>24.5</b>	1223.080	1202.960	1182.003	1200.446	1218.050
<b>25.0</b>	1217.212	1195.416	1174.458	1192.901	1210.505
<b>25.5</b>	1209.667	1187.871	1166.914	1185.356	1203.799
<b>26.0</b>	1202.960	1179.488	1158.531	1176.135	1196.254
<b>26.5</b>	1195.416	1171.105	1150.986	1168.590	1189.548

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BP-22-LS-8CS-BP2244S-DIM-UNV\_40W\_4000K\_.IES****CANDELA TABULATION - (Cont.)**

27.0	1188.709	1162.722	1143.441	1160.207	1182.003
27.5	1181.165	1155.177	1134.220	1151.824	1175.297
28.0	1173.620	1146.794	1126.675	1143.441	1167.752
28.5	1166.075	1138.411	1118.292	1135.058	1160.207
29.0	1158.531	1130.028	1110.747	1126.675	1152.662
29.5	1150.986	1121.645	1101.526	1118.292	1145.118
30.0	1142.603	1112.424	1093.143	1109.909	1136.735
30.5	1135.896	1104.041	1084.760	1100.688	1129.190
31.0	1127.513	1095.658	1075.539	1092.305	1121.645
31.5	1119.130	1086.437	1067.156	1083.084	1113.262
32.0	1110.747	1077.215	1058.773	1073.862	1104.879
32.5	1102.364	1067.994	1048.713	1064.641	1096.496
33.0	1093.981	1057.935	1039.492	1055.420	1087.275
33.5	1085.598	1048.713	1030.271	1046.198	1078.892
34.0	1075.539	1038.654	1021.049	1036.139	1069.671
34.5	1066.318	1028.594	1010.990	1026.079	1059.611
35.0	1057.096	1018.534	1000.930	1016.020	1050.390
35.5	1047.875	1008.475	990.871	1005.960	1040.330
36.0	1037.815	998.415	980.811	995.062	1031.109
36.5	1027.756	987.517	969.913	984.164	1020.211
37.0	1017.696	976.619	959.015	974.105	1010.990
37.5	1006.798	966.560	948.117	963.207	1000.092
38.0	996.739	954.824	937.219	951.470	990.032
38.5	985.841	944.764	926.321	941.411	979.134
39.0	975.781	933.866	916.262	930.513	969.075
39.5	964.883	922.968	904.526	918.777	959.015
40.0	953.985	911.232	893.628	907.879	948.117
40.5	943.087	900.334	882.730	896.981	937.219
41.0	933.028	889.436	870.994	886.083	926.321
41.5	922.130	877.700	860.096	874.347	915.424
42.0	911.232	866.802	848.360	863.449	904.526
42.5	900.334	855.904	837.629	852.551	894.466
43.0	889.436	844.168	826.312	840.815	882.730
43.5	879.377	832.851	815.163	829.498	872.670
44.0	868.479	821.785	804.014	818.432	861.772
44.5	857.581	809.965	792.696	806.948	850.874
45.0	845.845	798.816	781.379	795.631	839.138
45.5	835.450	786.912	769.643	784.146	828.576
46.0	824.384	775.344	757.823	772.326	817.175
46.5	812.564	763.691	745.836	760.338	805.942
47.0	801.666	751.955	733.596	748.853	794.373
47.5	790.182	739.884	721.692	736.866	782.721
48.0	778.110	727.309	709.537	724.291	770.482
48.5	765.955	715.405	696.795	712.052	758.913
49.0	754.051	702.747	684.137	699.645	747.093
49.5	741.895	690.089	671.394	686.903	735.105
50.0	729.237	677.430	658.065	674.161	723.034
50.5	716.830	664.185	644.988	660.832	710.711
51.0	704.340	651.024	631.156	647.671	698.388
51.5	692.017	637.779	617.240	634.258	685.813
52.0	678.939	624.031	603.157	620.761	672.736
52.5	665.359	610.282	588.906	606.845	659.742
53.0	652.281	595.947	574.152	592.762	646.665
53.5	639.288	581.193	559.481	578.176	632.665
54.0	625.456	566.188	544.308	563.338	618.749
54.5	611.456	551.182	528.716	548.248	603.995

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BP-22-LS-8CS-BP2244S-DIM-UNV\_40W\_4000K\_.IES****CANDELA TABULATION - (Cont.)**

55.0	597.037	535.422	512.956	532.572	588.487
55.5	582.032	519.243	496.860	516.560	571.469
56.0	565.433	502.729	480.346	499.962	553.362
56.5	547.242	485.543	463.412	482.945	533.410
57.0	526.201	467.688	446.059	464.837	510.776
57.5	502.896	449.161	428.036	445.808	486.382
58.0	476.490	429.545	409.761	426.024	462.825
58.5	447.988	409.007	391.067	405.067	434.407
59.0	416.300	387.546	371.702	383.103	403.558
59.5	380.924	365.080	351.918	360.301	372.038
60.0	343.452	341.272	331.631	336.745	341.104
60.5	305.309	316.374	311.093	312.099	312.602
61.0	270.100	290.806	290.555	286.950	284.016
61.5	239.083	264.735	270.184	261.969	255.011
62.0	212.677	239.251	249.813	238.245	227.179
62.5	191.132	215.275	230.113	216.617	201.695
63.0	172.857	192.977	210.916	195.743	180.486
63.5	156.846	172.690	192.306	175.372	163.217
64.0	142.846	154.499	174.534	156.259	148.379
64.5	130.691	138.655	157.684	139.493	135.302
65.0	120.045	125.074	142.008	125.494	123.817
65.5	110.572	113.338	127.673	113.841	113.757
66.0	102.189	103.362	114.596	103.782	104.871
66.5	94.728	94.728	102.776	94.979	96.991
67.0	87.854	87.099	92.129	87.351	89.866
67.5	81.734	80.309	82.656	80.477	83.411
68.0	76.118	74.273	74.357	74.273	77.543
68.5	70.920	68.824	67.232	68.657	72.094
69.0	66.226	63.878	61.112	63.711	67.148
69.5	61.867	59.352	55.915	59.184	62.705
70.0	57.843	55.328	51.388	55.076	58.513
70.5	54.154	51.555	47.615	51.220	54.657
71.0	50.633	48.118	44.262	47.783	51.220
71.5	47.448	44.933	41.161	44.598	47.867
72.0	44.430	41.999	38.478	41.664	44.765
72.5	41.747	39.232	35.963	38.897	41.915
73.0	39.065	36.718	33.616	36.382	39.316
73.5	36.634	34.370	31.520	34.035	36.801
74.0	34.370	32.191	29.508	31.855	34.538
74.5	32.275	30.179	27.664	29.843	32.358
75.0	30.263	28.251	25.987	27.999	30.346
75.5	28.335	26.490	24.395	26.239	28.418
76.0	26.574	24.730	22.886	24.562	26.658
76.5	24.981	23.137	21.460	22.969	24.981
77.0	23.389	21.712	20.119	21.460	23.389
77.5	21.880	20.287	18.862	20.119	21.880
78.0	20.455	18.946	17.688	18.778	20.455
78.5	19.113	17.688	16.598	17.520	19.113
79.0	17.772	16.515	15.509	16.263	17.772
79.5	16.598	15.341	14.503	15.173	16.598
80.0	15.509	14.251	13.497	14.167	15.425
80.5	14.335	13.245	12.574	13.077	14.251
81.0	13.245	12.323	11.652	12.155	13.245
81.5	12.155	11.317	10.730	11.233	12.239
82.0	11.233	10.395	9.976	10.311	11.233
82.5	10.311	9.557	9.137	9.389	10.311

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-22-LS-8CS-BP2244S-DIM-UNV\_40W\_4000K\_.IES

## CANDELA TABULATION - (Cont.)

83.0	9.305	8.634	8.383	8.551	9.389
83.5	8.467	7.880	7.545	7.796	8.551
84.0	7.545	7.042	6.790	7.042	7.796
84.5	6.706	6.287	6.120	6.287	6.958
85.0	5.952	5.617	5.449	5.533	6.203
85.5	5.114	4.862	4.778	4.862	5.533
86.0	4.359	4.191	4.108	4.191	4.778
86.5	3.605	3.521	3.521	3.605	4.108
87.0	3.018	2.934	2.934	2.934	3.605
87.5	2.347	2.347	2.347	2.431	2.934
88.0	1.677	1.928	1.928	1.928	2.347
88.5	1.174	1.425	1.509	1.509	1.844
89.0	0.838	1.090	1.174	1.257	1.509
89.5	0.503	0.838	0.922	1.006	1.257
90.0	0.251	0.587	0.671	0.754	1.006
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-BP2244S-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-BP2244S-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-BP2244S-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-BP2244S-DIM-UNV\_40W\_4000K\_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	510.87	N.A.	17.10
0-30	1060.85	N.A.	35.60
0-40	1698.87	N.A.	57.00
0-60	2793.18	N.A.	93.70
0-80	2975.11	N.A.	99.80
0-90	2981.87	N.A.	100.00
10-90	2846.64	N.A.	95.50
20-40	1188.00	N.A.	39.80
20-50	1807.3	N.A.	60.60
40-70	1244.43	N.A.	41.70
60-80	181.94	N.A.	6.10
70-80	31.81	N.A.	1.10
80-90	6.76	N.A.	0.20
90-110	0.02	N.A.	0.00
90-120	0.02	N.A.	0.00
90-130	0.02	N.A.	0.00
90-150	0.02	N.A.	0.00
90-180	0.02	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2981.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	135.23
10-20	375.64
20-30	549.98
30-40	638.02
40-50	619.30
50-60	475.01
60-70	150.13
70-80	31.81
80-90	6.76
90-100	0.02
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-BP2244S-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	93	90	87	85	91	88	86	83	85	83	81	82	80	78	79	77	76	74
2	86	81	76	72	84	79	75	71	76	73	70	74	71	68	71	69	67	65
3	80	72	66	62	78	71	66	61	69	64	60	66	62	59	64	61	58	57
4	74	65	58	54	72	64	58	53	62	57	53	60	55	52	58	54	51	50
5	68	59	52	47	66	58	51	47	56	50	46	54	50	46	53	49	45	44
6	63	53	46	42	62	52	46	41	51	45	41	50	45	41	48	44	40	39
7	59	48	42	37	57	48	41	37	47	41	37	45	40	36	44	40	36	35
8	55	44	38	33	54	44	38	33	43	37	33	42	37	33	41	36	33	31
9	51	41	34	30	50	40	34	30	39	34	30	39	33	30	38	33	30	28
10	48	38	32	27	47	37	31	27	37	31	27	36	31	27	35	30	27	26

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-22-LS-8CS-BP2244S-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

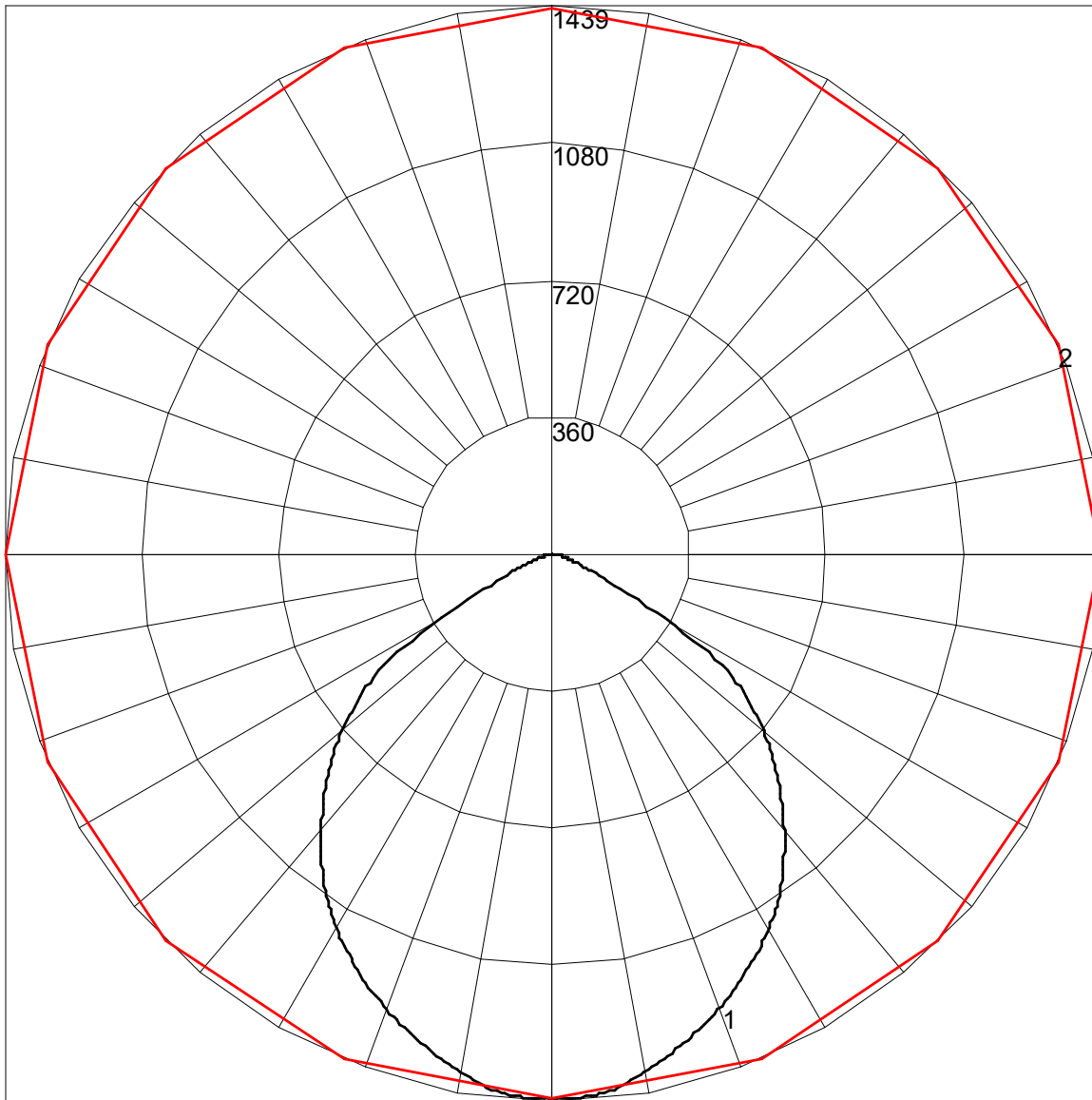
X=2H	Y=2H	16.2	17.7	16.6	18.0	18.3	16.1	17.6	16.5	17.9	18.2
	3H	16.3	17.6	16.6	17.9	18.3	16.2	17.5	16.6	17.8	18.2
	4H	16.2	17.4	16.6	17.8	18.2	16.2	17.4	16.6	17.7	18.1
	6H	16.2	17.3	16.6	17.7	18.1	16.1	17.2	16.5	17.6	18.0
	8H	16.2	17.2	16.6	17.6	18.0	16.1	17.1	16.5	17.5	17.9
	12H	16.1	17.1	16.6	17.5	18.0	16.1	17.1	16.5	17.4	17.9

### UGR Viewed Endwise

4H	2H	16.2	17.4	16.6	17.8	18.2	16.1	17.3	16.5	17.7	18.1
	3H	16.3	17.3	16.7	17.7	18.1	16.2	17.2	16.6	17.6	18.0
	4H	16.3	17.1	16.7	17.6	18.0	16.2	17.1	16.6	17.5	17.9
	6H	16.2	17.0	16.7	17.4	17.9	16.2	16.9	16.6	17.4	17.8
	8H	16.2	16.9	16.7	17.3	17.8	16.1	16.8	16.6	17.3	17.7
	12H	16.2	16.8	16.7	17.3	17.8	16.1	16.7	16.6	17.2	17.7
8H	4H	16.2	16.9	16.6	17.3	17.8	16.1	16.8	16.6	17.2	17.7
	6H	16.1	16.7	16.6	17.2	17.7	16.1	16.6	16.6	17.1	17.6
	8H	16.1	16.6	16.6	17.1	17.6	16.0	16.5	16.5	17.1	17.5
	12H	16.1	16.5	16.6	17.0	17.6	16.0	16.5	16.5	17.0	17.5
12H	4H	16.1	16.8	16.6	17.2	17.7	16.1	16.7	16.6	17.2	17.6
	6H	16.1	16.6	16.6	17.1	17.6	16.0	16.5	16.5	17.0	17.5
	8H	16.1	16.5	16.6	17.0	17.6	16.0	16.4	16.5	16.9	17.5

Maximum UGR = 18.3

POLAR GRAPH



Maximum Candela = 1439.361 Located At Horizontal Angle = 22.5, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)