

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-22-LS-8CS-BP2233S-DIM-UNV_40W_4000K_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #13374551.03

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 11/15/2023

[MANUFAC] WILLIAMS INDOOR

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

[LUMCAT] BP-22-LS-8CS-BP2233S-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	3224
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
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)	1.30
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	4035	3808	4012
55	3656	3325	3619
65	2090	2050	2077
75	491	460	524
85	271	242	283

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BP-22-LS-8CS-BP2233S-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	1425.620	1425.620	1425.620	1425.620	1425.620
0.5	1424.781	1426.459	1425.620	1424.781	1422.266
1.0	1425.620	1426.459	1424.781	1424.781	1422.266
1.5	1424.781	1425.620	1424.781	1423.943	1422.266
2.0	1423.943	1425.620	1424.781	1423.104	1421.427
2.5	1423.943	1424.781	1423.943	1423.104	1420.588
3.0	1422.266	1423.943	1422.266	1421.427	1419.750
3.5	1421.427	1423.104	1422.266	1420.588	1418.073
4.0	1420.588	1422.266	1420.588	1419.750	1417.234
4.5	1418.911	1420.588	1418.911	1418.073	1415.557
5.0	1418.073	1418.911	1417.234	1416.395	1413.041
5.5	1416.395	1417.234	1415.557	1413.880	1411.364
6.0	1413.041	1414.718	1413.880	1411.364	1408.009
6.5	1411.364	1413.041	1411.364	1409.687	1406.332
7.0	1408.848	1409.687	1408.848	1406.332	1402.978
7.5	1404.655	1407.171	1406.332	1402.978	1400.462
8.0	1401.301	1403.816	1402.978	1399.623	1397.108
8.5	1397.108	1399.623	1399.623	1396.269	1392.915
9.0	1392.915	1396.269	1395.430	1392.915	1389.560
9.5	1388.722	1392.076	1391.237	1388.722	1385.367
10.0	1384.529	1387.044	1387.044	1384.529	1381.174
10.5	1380.336	1382.851	1382.851	1380.336	1377.820
11.0	1375.304	1377.820	1377.820	1376.981	1372.788
11.5	1371.111	1372.788	1372.788	1371.950	1368.595
12.0	1366.079	1367.757	1366.918	1366.918	1364.402
12.5	1361.886	1363.564	1361.886	1362.725	1358.532
13.0	1357.693	1358.532	1356.016	1357.693	1353.500
13.5	1351.823	1353.500	1350.146	1351.823	1349.307
14.0	1348.469	1348.469	1344.276	1346.792	1345.114
14.5	1343.437	1342.599	1338.406	1341.760	1340.083
15.0	1339.244	1337.567	1331.697	1336.728	1335.051
15.5	1334.213	1332.535	1325.827	1331.697	1330.020
16.0	1328.342	1327.504	1319.118	1326.665	1325.827
16.5	1324.149	1320.795	1313.248	1320.795	1319.956
17.0	1319.118	1315.763	1306.539	1315.763	1314.925
17.5	1314.086	1309.893	1299.830	1309.055	1309.893
18.0	1309.055	1304.023	1293.121	1303.184	1304.862
18.5	1303.184	1298.153	1286.412	1297.314	1299.830
19.0	1298.153	1292.283	1279.704	1291.444	1293.960
19.5	1292.283	1286.412	1272.995	1284.735	1288.090
20.0	1288.090	1279.704	1266.286	1278.026	1282.219
20.5	1281.381	1273.833	1259.577	1272.156	1277.188
21.0	1276.349	1267.125	1252.868	1265.447	1270.479
21.5	1270.479	1260.416	1246.160	1258.739	1264.609
22.0	1264.609	1254.546	1239.451	1251.191	1259.577
22.5	1258.739	1247.837	1231.903	1245.321	1252.868
23.0	1252.030	1240.289	1224.356	1237.774	1246.998
23.5	1246.160	1233.581	1217.647	1230.226	1240.289
24.0	1240.289	1226.872	1210.938	1223.517	1234.419
24.5	1233.581	1219.324	1203.391	1215.970	1227.710
25.0	1226.872	1211.777	1195.844	1208.423	1221.840
25.5	1220.163	1205.068	1189.135	1201.714	1215.131
26.0	1213.454	1197.521	1181.587	1194.166	1207.584
26.5	1206.745	1189.973	1174.040	1186.619	1201.714

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BP-22-LS-8CS-BP2233S-DIM-UNV_40W_4000K_.IES****CANDELA TABULATION - (Cont.)**

27.0	1200.037	1181.587	1166.493	1179.072	1194.166
27.5	1193.328	1174.879	1159.784	1171.524	1188.296
28.0	1185.780	1166.493	1152.236	1163.977	1180.749
28.5	1179.072	1158.945	1143.850	1155.591	1173.201
29.0	1171.524	1150.559	1137.142	1148.043	1166.493
29.5	1163.977	1143.012	1128.756	1140.496	1158.945
30.0	1156.429	1134.626	1120.370	1132.110	1151.398
30.5	1148.882	1127.078	1112.822	1123.724	1143.850
31.0	1141.335	1118.692	1104.436	1115.338	1136.303
31.5	1132.949	1110.306	1096.050	1106.952	1127.917
32.0	1125.401	1101.082	1087.664	1098.566	1120.370
32.5	1117.854	1092.696	1079.278	1089.341	1111.984
33.0	1108.629	1083.471	1070.054	1080.955	1103.598
33.5	1101.082	1075.085	1060.829	1071.731	1095.212
34.0	1091.857	1065.022	1051.604	1062.506	1086.826
34.5	1082.633	1055.797	1042.380	1052.443	1078.440
35.0	1073.408	1046.573	1033.155	1043.218	1069.215
35.5	1064.183	1036.510	1023.092	1033.155	1059.152
36.0	1055.797	1026.446	1013.029	1023.092	1049.927
36.5	1045.734	1016.383	1002.966	1013.867	1040.703
37.0	1035.671	1006.320	992.902	1003.804	1030.639
37.5	1026.446	995.418	982.839	992.902	1020.576
38.0	1016.383	985.355	972.776	982.839	1010.513
38.5	1006.320	974.453	962.713	972.776	1001.288
39.0	996.257	963.551	951.811	961.874	991.225
39.5	986.194	953.488	940.909	951.811	980.323
40.0	976.130	942.586	930.007	940.909	970.260
40.5	965.229	932.523	919.944	930.007	959.358
41.0	955.165	921.621	909.042	919.944	950.134
41.5	944.264	910.720	898.979	908.204	939.232
42.0	934.200	900.656	888.077	898.141	929.169
42.5	924.137	889.755	877.176	887.239	919.106
43.0	913.235	878.853	866.274	876.337	909.042
43.5	903.172	868.790	855.372	866.274	898.141
44.0	893.109	857.888	845.309	855.372	887.239
44.5	882.207	846.986	834.155	844.470	877.176
45.0	872.144	836.252	823.086	833.820	867.112
45.5	862.081	825.350	812.184	822.918	857.049
46.0	852.018	814.364	801.198	812.100	846.147
46.5	841.116	803.463	789.793	800.863	835.246
47.0	830.130	792.393	778.724	789.710	824.344
47.5	819.144	780.737	767.654	778.556	813.358
48.0	808.494	769.583	756.249	767.235	802.205
48.5	797.173	758.011	744.257	755.579	790.968
49.0	786.187	746.019	732.517	744.174	779.563
49.5	774.615	734.530	720.861	732.014	768.325
50.0	762.707	722.622	708.869	720.357	757.172
50.5	751.553	710.462	696.709	708.617	745.348
51.0	739.394	698.554	684.717	696.206	733.272
51.5	727.234	686.143	673.815	685.220	721.280
52.0	714.906	673.731	661.152	672.725	709.036
52.5	703.082	662.829	648.489	660.146	696.877
53.0	691.006	650.167	635.323	647.315	685.723
53.5	678.176	637.504	622.157	634.233	673.312
54.0	665.345	624.254	608.991	620.983	660.314
54.5	653.018	610.920	595.490	607.650	647.399

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55.0	641.026	598.006	582.995	593.813	634.401
55.5	628.028	585.259	569.577	579.808	620.229
56.0	616.203	571.338	555.489	567.564	606.727
56.5	602.618	557.334	541.149	553.224	592.639
57.0	588.949	542.742	526.473	538.549	577.544
57.5	574.441	527.647	511.546	523.957	563.036
58.0	559.346	512.720	496.535	508.862	548.361
58.5	544.168	497.541	481.440	493.348	531.840
59.0	527.983	481.776	466.094	477.667	514.984
59.5	510.959	465.675	450.496	461.482	497.625
60.0	493.432	449.238	434.814	444.961	479.595
60.5	474.312	432.298	418.797	428.105	461.398
61.0	454.353	415.191	402.276	410.830	442.361
61.5	433.640	397.496	385.588	393.303	422.906
62.0	411.920	379.383	368.900	375.525	402.780
62.5	389.362	361.017	351.960	357.495	382.150
63.0	366.468	342.317	334.769	339.130	360.430
63.5	342.736	323.029	317.410	320.094	337.620
64.0	319.003	303.322	299.883	301.393	314.643
64.5	294.432	283.279	282.273	282.440	292.084
65.0	269.945	263.320	264.746	263.069	268.352
65.5	245.290	243.278	247.471	243.613	244.200
66.0	219.378	223.319	230.447	224.745	224.577
66.5	192.878	203.612	213.675	205.709	207.218
67.0	168.642	183.989	197.155	187.092	190.949
67.5	146.839	164.533	181.221	170.404	174.345
68.0	127.803	145.833	165.623	155.644	157.741
68.5	111.869	128.977	150.613	142.227	142.478
69.0	98.871	114.553	136.440	128.893	126.712
69.5	88.892	101.471	123.023	116.146	110.360
70.0	81.596	89.311	110.611	104.406	95.181
70.5	75.306	78.493	99.123	92.833	84.279
71.0	69.604	69.688	88.556	81.428	76.983
71.5	64.404	62.979	78.828	71.197	70.946
72.0	59.708	57.947	70.442	63.650	65.411
72.5	55.348	53.503	63.063	58.283	60.379
73.0	51.406	49.477	56.354	53.587	55.851
73.5	47.884	45.788	50.400	49.394	51.742
74.0	44.614	42.517	45.033	45.704	48.052
74.5	41.595	39.498	40.421	42.265	44.614
75.0	38.827	36.731	36.395	39.163	41.427
75.5	36.228	34.215	33.041	36.311	38.576
76.0	33.796	31.867	30.357	33.712	35.976
76.5	31.447	29.603	28.093	31.280	33.460
77.0	29.351	27.590	26.080	29.016	31.112
77.5	27.338	25.745	24.236	27.003	28.932
78.0	25.493	23.900	22.474	24.990	26.835
78.5	23.732	22.223	20.881	23.229	24.906
79.0	22.139	20.630	19.456	21.552	23.145
79.5	20.546	19.204	18.030	19.959	21.468
80.0	19.036	17.778	16.688	18.449	19.875
80.5	17.611	16.437	15.430	17.024	18.365
81.0	16.269	15.179	14.256	15.682	16.856
81.5	14.927	13.921	13.166	14.340	15.514
82.0	13.753	12.747	12.076	13.166	14.172
82.5	12.579	11.657	11.070	11.992	12.914

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BP-22-LS-8CS-BP2233S-DIM-UNV_40W_4000K_.IES****CANDELA TABULATION - (Cont.)**

83.0	11.405	10.566	10.063	10.902	11.740
83.5	10.315	9.560	9.141	9.812	10.566
84.0	9.225	8.554	8.218	8.805	9.560
84.5	8.134	7.547	7.296	7.799	8.554
85.0	7.212	6.625	6.457	6.877	7.547
85.5	6.206	5.786	5.619	6.038	6.625
86.0	5.283	4.948	4.864	5.199	5.786
86.5	4.361	4.109	4.109	4.445	4.948
87.0	3.522	3.354	3.438	3.774	4.193
87.5	2.767	2.684	2.851	3.103	3.522
88.0	2.096	2.096	2.348	2.600	2.935
88.5	1.509	1.593	1.929	2.180	2.516
89.0	1.006	1.174	1.509	1.761	2.180
89.5	0.671	0.922	1.174	1.426	1.761
90.0	0.419	0.671	0.922	1.090	1.426
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-22-LS-8CS-BP2233S-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-BP2233S-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-BP2233S-DIM-UNV_40W_4000K_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	510.89	N.A.	15.80
0-30	1068.49	N.A.	33.10
0-40	1723.02	N.A.	53.40
0-60	2905.9	N.A.	90.10
0-80	3215.85	N.A.	99.70
0-90	3224.19	N.A.	100.00
10-90	3089.92	N.A.	95.80
20-40	1212.13	N.A.	37.60
20-50	1859.9	N.A.	57.70
40-70	1446.43	N.A.	44.90
60-80	309.94	N.A.	9.60
70-80	46.40	N.A.	1.40
80-90	8.35	N.A.	0.30
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	3224.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	134.27
10-20	376.61
20-30	557.60
30-40	654.53
40-50	647.77
50-60	535.12
60-70	263.54
70-80	46.40
80-90	8.35
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-BP2233S-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	98	98	98	98	93	93	93	89	89	89	86	86	86	84
1	93	90	87	84	91	88	85	83	84	82	80	81	79	78	78	77	75	74
2	86	80	75	71	83	78	74	70	75	71	68	73	69	67	70	68	65	64
3	79	71	65	60	77	70	64	60	67	62	59	65	61	58	63	59	57	55
4	73	63	57	52	71	62	56	51	60	55	51	58	54	50	57	53	49	48
5	67	57	50	45	65	56	50	45	54	49	44	53	48	44	51	47	43	42
6	62	52	45	40	60	51	44	39	49	43	39	48	43	39	47	42	38	37
7	58	47	40	35	56	46	40	35	45	39	35	44	39	35	43	38	34	33
8	54	43	36	32	52	42	36	31	41	35	31	40	35	31	39	35	31	29
9	50	39	33	29	49	39	33	28	38	32	28	37	32	28	36	32	28	27
10	47	36	30	26	46	36	30	26	35	30	26	34	29	26	34	29	26	24

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-22-LS-8CS-BP2233S-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

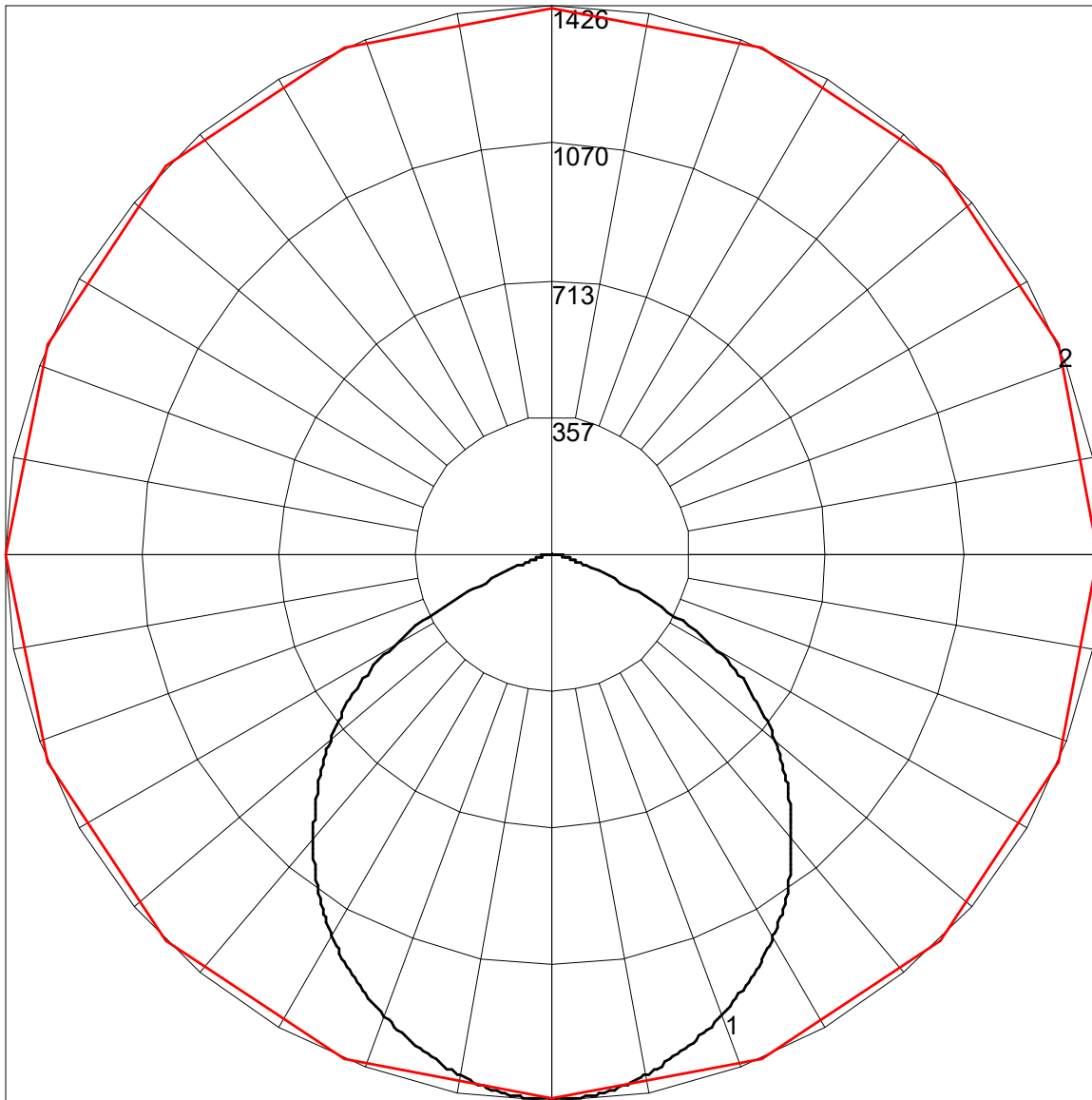
X=2H	Y=2H	17.0	18.6	17.4	18.9	19.2	17.0	18.5	17.3	18.8	19.1
	3H	17.3	18.6	17.6	18.9	19.3	17.3	18.7	17.7	19.0	19.4
	4H	17.2	18.5	17.6	18.8	19.2	17.3	18.6	17.7	18.9	19.3
	6H	17.2	18.4	17.6	18.7	19.1	17.3	18.4	17.7	18.8	19.2
	8H	17.2	18.3	17.6	18.7	19.1	17.3	18.3	17.7	18.7	19.1
	12H	17.1	18.2	17.6	18.6	19.0	17.2	18.3	17.6	18.7	19.1

UGR Viewed Endwise

4H	2H	17.3	18.5	17.7	18.9	19.3	17.2	18.5	17.6	18.8	19.2
	3H	17.5	18.6	17.9	19.0	19.4	17.6	18.6	18.0	19.0	19.4
	4H	17.5	18.4	17.9	18.8	19.3	17.6	18.5	18.0	18.9	19.4
	6H	17.5	18.3	18.0	18.7	19.2	17.6	18.4	18.0	18.8	19.3
	8H	17.4	18.2	17.9	18.6	19.1	17.5	18.3	18.0	18.7	19.2
	12H	17.4	18.1	17.9	18.6	19.0	17.5	18.2	18.0	18.7	19.1
8H	4H	17.4	18.2	17.9	18.6	19.1	17.5	18.3	18.0	18.7	19.2
	6H	17.4	18.0	17.9	18.5	19.0	17.5	18.1	18.0	18.6	19.1
	8H	17.4	17.9	17.9	18.4	18.9	17.4	18.0	18.0	18.5	19.0
	12H	17.3	17.8	17.9	18.3	18.9	17.4	17.9	17.9	18.4	19.0
12H	4H	17.4	18.1	17.9	18.5	19.0	17.5	18.1	18.0	18.6	19.1
	6H	17.4	17.9	17.9	18.4	18.9	17.4	18.0	18.0	18.5	19.0
	8H	17.3	17.8	17.8	18.3	18.9	17.4	17.9	17.9	18.4	19.0

Maximum UGR = 19.4

POLAR GRAPH



Maximum Candela = 1426.459 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.)