



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-22-LS-8CS-DIM-UNV_25W_3500K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] JBE210303-E
[TESTLAB] STANDARD-TECH TESTING SERVICES
[TESTDATE] 20 March 2021
[ISSUEDATE] 2022-02-18
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] BP-22-LS-8CS-DIM-UNV_25W_3500K
[OTHER] Input Voltage=120.1 PF=0.9935 THD=8.22

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2969
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	25
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.54 m
Luminous Width (90-270)	0.54 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3310	3318	3317
55	3199	3216	3216
65	3017	3052	3059
75	2666	2771	2812
85	1971	2053	2200

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BP-22-LS-8CS-DIM-UNV_25W_3500K.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	1020.965	1020.965	1020.965	1020.965	1020.965	1020.965	1020.965	1020.965	1020.965	1020.965
1	1020.419	1020.146	1020.760	1020.828	1021.033	1020.624	1020.351	1020.965	1020.487	1020.146
2	1020.010	1020.282	1020.555	1019.805	1020.214	1020.897	1020.351	1020.078	1020.078	1019.805
3	1019.395	1019.259	1019.941	1019.122	1020.282	1019.805	1019.054	1019.054	1019.532	1019.259
4	1018.031	1017.689	1018.167	1017.894	1018.713	1018.645	1018.440	1017.417	1017.485	1017.075
5	1017.144	1016.802	1016.666	1016.939	1016.666	1016.802	1016.052	1015.779	1015.847	1015.711
6	1015.028	1014.209	1014.824	1014.687	1015.369	1014.346	1014.482	1014.482	1014.073	1013.868
7	1012.503	1012.572	1012.845	1012.503	1013.800	1012.845	1012.572	1011.685	1011.821	1011.207
8	1010.183	1010.593	1009.910	1009.979	1010.456	1010.047	1009.296	1009.023	1008.819	1008.409
9	1007.113	1007.249	1007.249	1006.567	1007.932	1007.454	1006.021	1006.157	1006.362	1005.611
10	1003.701	1003.701	1004.179	1003.837	1004.110	1003.974	1003.087	1002.336	1002.609	1001.995
11	1000.016	1000.221	1000.494	999.948	1001.313	1000.153	999.402	998.651	998.583	997.832
12	996.536	996.058	996.809	995.854	997.423	996.331	995.649	994.898	995.308	994.148
13	992.101	992.373	991.896	991.964	992.715	991.828	991.418	990.326	990.395	990.463
14	987.460	987.324	987.256	987.529	988.893	987.187	986.573	985.277	986.300	984.594
15	982.616	982.343	982.343	982.411	983.912	982.206	981.046	980.637	980.841	979.681
16	977.361	977.566	976.884	977.702	978.385	976.611	976.065	975.041	975.041	973.881
17	972.039	971.561	971.834	971.015	972.448	970.265	969.992	969.378	969.719	968.218
18	965.829	965.693	966.034	965.556	966.648	965.420	964.260	962.827	963.373	961.940
19	959.415	959.688	959.961	959.551	960.438	958.733	957.777	956.549	956.958	956.003
20	953.069	952.659	952.728	952.250	953.478	952.182	951.022	950.271	950.339	948.224
21	946.450	945.972	945.972	946.177	947.269	945.017	944.062	942.560	943.038	942.014
22	939.080	939.148	939.012	938.739	939.558	938.261	936.760	935.122	935.600	934.440
23	931.233	931.165	931.438	931.506	931.915	930.755	929.118	927.548	927.343	926.729
24	923.522	923.386	923.795	922.840	924.682	922.157	920.997	919.701	919.633	918.541
25	914.856	915.129	914.993	915.265	915.880	914.242	913.423	911.171	912.058	909.806
26	907.418	906.190	906.190	906.258	908.237	905.849	904.143	902.846	902.846	901.550
27	897.387	897.114	897.933	897.933	898.616	896.773	895.818	893.975	893.498	892.952
28	888.244	888.039	888.585	888.039	890.018	887.834	886.469	883.876	884.149	883.467
29	878.895	879.032	879.373	878.963	880.806	878.144	876.916	875.347	874.801	873.845
30	868.864	869.001	870.092	869.274	870.707	868.728	866.885	865.384	864.975	864.019
31	859.584	859.038	859.379	858.970	861.153	859.243	856.718	854.876	854.671	853.988
32	848.871	848.666	849.758	849.553	850.577	848.598	846.892	844.435	844.367	843.821
33	838.021	838.226	838.976	838.567	840.136	837.884	835.769	833.858	833.381	832.971
34	826.967	827.785	828.195	827.717	829.082	827.444	825.261	822.872	822.872	821.985
35	815.844	816.458	817.345	817.140	817.959	815.980	813.933	811.408	810.999	810.385
36	804.858	805.199	805.745	805.404	806.495	804.585	802.060	799.740	799.262	799.126
37	793.189	793.735	793.940	793.871	795.032	792.916	790.528	787.457	787.730	787.116
38	780.906	781.179	782.476	781.862	782.817	781.043	778.655	776.062	775.174	774.629
39	769.306	769.238	769.852	770.057	770.125	768.283	766.508	763.574	762.892	762.824
40	756.409	756.955	757.910	757.365	758.183	756.682	753.475	750.336	750.200	750.063
41	744.195	744.127	745.355	744.672	745.423	743.035	740.783	737.849	737.166	737.166
42	730.752	731.298	732.253	731.503	732.526	730.001	727.954	725.020	723.928	723.655
43	717.787	717.651	718.469	718.606	718.469	717.582	714.443	711.509	710.622	710.622
44	704.344	704.413	705.641	705.231	705.846	703.730	701.478	697.657	697.384	696.770
45	690.356	690.970	692.062	691.311	691.925	690.083	687.149	683.941	683.395	683.054
46	675.903	677.172	677.827	677.432	678.059	676.272	673.747	670.096	669.188	669.100
47	662.194	662.617	664.071	663.327	664.050	662.399	659.499	655.773	654.947	654.361
48	647.359	648.670	649.795	649.256	650.341	647.789	645.428	641.498	640.174	640.467
49	633.043	634.067	634.892	634.203	635.213	633.507	630.716	626.342	625.503	624.998
50	618.188	618.959	620.774	619.601	620.242	618.215	615.499	612.115	610.389	610.436
51	603.428	604.472	605.141	605.168	605.434	604.077	600.405	596.523	595.117	594.742
52	588.205	589.337	590.197	589.487	590.340	588.396	585.298	580.985	579.689	579.873
53	572.933	573.636	574.878	574.086	575.328	573.622	569.712	565.727	564.144	564.635

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BP-22-LS-8CS-DIM-UNV_25W_3500K.IES

CANDELA TABULATION - (Cont.)

54	556.945	558.296	559.668	559.040	559.716	557.709	554.345	549.876	547.958	548.252
55	541.189	542.465	544.123	543.618	544.076	542.110	538.507	534.413	532.305	533.110
56	525.194	526.948	527.938	527.589	528.217	526.621	523.038	518.111	515.784	516.610
57	509.200	510.940	512.277	511.636	512.775	510.564	507.139	501.782	499.380	500.404
58	493.137	494.679	496.228	495.361	496.576	494.563	490.810	485.446	482.819	484.184
59	476.418	478.090	479.783	479.380	480.117	478.718	474.624	468.926	465.917	467.200
60	460.151	461.795	463.351	463.133	464.334	462.054	458.042	452.433	449.301	450.645
61	443.596	445.050	447.070	446.640	447.691	445.882	441.413	435.422	432.385	433.647
62	427.001	428.857	430.481	430.433	431.027	429.383	424.674	418.478	415.264	416.711
63	410.283	412.173	413.831	413.729	414.650	412.699	407.922	401.446	398.225	399.747
64	393.190	395.482	397.413	397.100	398.075	395.912	391.081	384.701	381.460	382.565
65	376.151	378.287	380.429	380.286	381.303	379.290	374.056	367.798	364.544	365.785
66	358.914	361.295	363.404	363.670	364.598	362.496	357.181	350.548	347.198	348.713
67	341.636	344.107	346.604	346.652	348.071	345.990	340.333	333.646	330.486	331.667
68	324.181	327.047	329.811	329.913	331.176	329.101	323.437	316.689	313.536	314.765
69	306.972	309.633	312.902	313.284	314.301	312.349	306.440	299.643	296.641	297.896
70	289.803	292.642	296.047	296.996	297.849	295.740	289.646	283.075	279.684	281.124
71	272.389	275.262	278.865	279.704	280.946	278.967	272.860	266.023	262.891	264.405
72	254.900	257.957	261.847	263.041	264.392	262.249	256.142	249.694	246.166	247.646
73	237.936	240.686	245.108	246.364	247.530	245.777	239.915	232.921	229.536	230.867
74	220.679	223.511	228.376	230.178	231.426	229.495	223.190	216.742	213.193	214.654
75	203.517	206.745	211.583	213.623	214.674	212.893	206.793	200.031	196.639	198.004
76	186.792	189.699	194.585	197.028	198.325	196.714	190.614	184.199	180.794	182.241
77	169.760	172.742	177.840	180.658	181.729	180.255	174.626	168.266	164.963	166.376
78	153.602	156.372	161.620	164.056	164.902	163.530	158.576	152.435	149.235	150.511
79	137.696	140.207	145.318	147.597	148.675	147.297	143.209	136.925	133.663	135.273
80	122.186	124.656	129.132	131.466	132.646	131.179	127.713	121.612	118.767	120.009
81	107.153	109.568	113.008	115.294	117.013	114.952	111.752	106.511	103.482	104.962
82	92.298	94.665	97.252	99.640	101.148	99.442	96.085	91.806	88.927	90.264
83	77.790	79.988	81.939	83.986	86.061	84.232	80.520	77.299	74.829	75.900
84	63.980	66.125	67.079	68.988	71.206	69.295	65.845	63.456	61.248	62.176
85	50.672	52.180	52.777	54.034	56.548	54.582	51.131	49.305	47.767	47.817
86	38.121	38.890	39.357	40.164	42.541	40.267	37.305	35.678	34.968	34.415
87	25.642	25.928	26.044	26.333	28.353	26.230	23.544	22.299	22.092	21.175
88	14.051	14.120	13.800	13.789	15.031	13.226	11.571	10.642	10.686	9.714
89	3.739	3.756	3.741	3.301	4.098	2.900	2.336	1.615	1.628	1.296
90	0.111	0.168	0.223	0.224	0.000	0.050	0.044	0.013	0.034	0.021
91	0.000	0.111	0.111	0.168	0.000	0.000	0.000	0.000	0.000	0.000
92	0.000	0.000	0.056	0.110	0.000	0.000	0.000	0.000	0.000	0.000
93	0.000	0.000	0.055	0.000	0.000	0.000	0.000	0.000	0.000	0.000
94	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
96	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
98	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
101	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
103	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
104	0.000	0.000	0.000	0.000	0.000	0.000	0.055	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.001	0.056	0.112	0.112	0.055	0.111
106	0.000	0.000	0.000	0.000	0.060	0.056	0.225	0.113	0.112	0.112
107	0.056	0.056	0.113	0.057	0.170	0.056	0.170	0.168	0.057	0.112
108	0.057	0.057	0.113	0.113	0.225	0.166	0.279	0.224	0.220	0.222
109	0.113	0.111	0.169	0.120	0.227	0.169	0.281	0.281	0.225	0.170

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BP-22-LS-8CS-DIM-UNV_25W_3500K.IES

CANDELA TABULATION - (Cont.)

110	0.113	0.056	0.169	0.338	0.339	0.224	0.337	0.281	0.225	0.224
111	0.113	0.169	0.282	0.452	0.394	0.225	0.392	0.337	0.225	0.225
112	0.115	0.224	0.340	0.565	0.339	0.280	0.394	0.338	0.225	0.280
113	0.224	0.169	0.450	0.677	0.394	0.281	0.394	0.448	0.281	0.338
114	0.169	0.169	0.451	0.791	0.395	0.336	0.504	0.395	0.390	0.392
115	0.170	0.169	0.506	0.900	0.450	0.393	0.451	0.394	0.450	0.338
116	0.281	0.169	0.452	0.844	0.451	0.394	0.560	0.394	0.396	0.337
117	0.225	0.169	0.619	0.844	0.509	0.505	0.563	0.394	0.504	0.337
118	0.225	0.169	0.620	0.844	0.621	0.506	0.675	0.394	0.507	0.337
119	0.225	0.225	0.676	0.844	0.674	0.615	0.676	0.394	0.507	0.337
120	0.228	0.284	0.676	0.844	0.622	0.619	0.676	0.394	0.563	0.337
121	0.399	0.452	0.677	0.844	0.731	0.729	0.676	0.394	0.563	0.337
122	0.678	0.621	0.732	0.844	0.676	0.787	0.676	0.394	0.563	0.337
123	0.788	0.787	0.733	0.844	0.676	0.844	0.676	0.395	0.563	0.394
124	0.732	0.787	0.787	0.844	0.676	0.844	0.676	0.450	0.563	0.394
125	0.732	0.788	0.732	0.844	0.679	0.900	0.676	0.563	0.619	0.450
126	0.734	0.844	0.732	0.844	0.789	0.900	0.676	0.673	0.563	0.675
127	0.788	0.845	0.734	0.844	0.846	0.900	0.676	0.899	0.729	0.730
128	0.788	0.900	0.788	0.844	0.956	0.900	0.676	0.901	0.732	0.956
129	0.788	0.844	0.732	0.846	0.902	0.900	0.676	0.901	0.842	0.956
130	0.788	0.844	0.731	0.901	0.957	0.900	0.676	0.901	0.845	0.956
131	0.788	0.844	0.674	0.901	0.904	0.956	0.676	0.901	0.845	0.956
132	0.788	0.844	0.619	0.901	1.013	0.956	0.676	0.901	0.845	0.956
133	0.789	0.844	0.619	0.901	0.958	0.956	0.676	0.901	0.845	0.956
134	0.845	0.844	0.619	0.901	1.071	0.956	0.676	0.901	0.845	0.956
135	0.845	0.844	0.619	0.901	1.126	1.012	0.676	0.901	0.845	0.956
136	0.845	0.844	0.614	0.901	1.126	1.013	0.676	0.901	0.845	0.956
137	0.845	0.844	0.450	0.901	1.126	1.124	0.676	0.901	0.845	0.956
138	0.845	0.844	0.447	0.901	1.126	1.069	0.676	0.901	0.845	0.956
139	0.845	0.844	0.337	0.901	1.126	1.069	0.676	0.901	0.845	0.956
140	0.845	0.844	0.224	0.901	1.126	1.069	0.676	0.901	0.845	0.956
141	0.845	0.844	0.111	0.901	1.126	1.069	0.676	0.901	0.845	0.956
142	0.845	0.844	0.055	0.901	1.126	1.069	0.676	0.901	0.845	0.956
143	0.846	0.844	0.000	0.900	1.126	1.069	0.676	0.901	0.845	0.956
144	0.900	0.844	0.000	0.844	1.126	1.069	0.676	0.901	0.845	0.956
145	0.843	0.844	0.000	0.844	1.126	1.069	0.788	0.901	0.845	0.956
146	0.788	0.841	0.000	0.843	1.126	1.069	0.733	0.901	0.845	0.956
147	0.788	0.731	0.000	0.732	1.126	1.069	0.842	0.901	0.845	0.956
148	0.788	0.731	0.000	0.786	1.126	1.069	0.845	0.901	0.845	0.956
149	0.788	0.674	0.000	0.730	1.126	1.069	0.845	0.901	0.845	0.956
150	0.788	0.617	0.000	0.675	1.126	1.069	0.900	0.901	0.845	0.956
151	0.788	0.562	0.000	0.619	1.126	1.069	0.956	0.956	0.845	0.956
152	0.788	0.561	0.000	0.619	1.126	1.069	0.957	0.844	0.845	0.956
153	0.788	0.506	0.000	0.619	1.126	1.069	0.957	0.844	0.845	0.956
154	0.788	0.506	0.000	0.618	1.126	1.069	0.957	0.788	0.845	0.956
155	0.788	0.506	0.000	0.563	1.126	1.069	0.957	0.788	0.845	0.956
156	0.788	0.507	0.000	0.561	1.126	1.069	0.957	0.788	0.845	0.956
157	0.788	0.561	0.000	0.507	1.126	1.069	0.957	0.788	0.845	0.956
158	0.788	0.506	0.000	0.507	1.126	1.069	0.957	0.843	0.845	0.956
159	0.788	0.505	0.000	0.505	1.126	1.069	0.957	0.732	0.845	0.956
160	0.788	0.394	0.000	0.450	1.126	1.069	0.957	0.675	0.845	0.956
161	0.788	0.394	0.000	0.450	1.126	1.069	0.957	0.564	0.845	0.956
162	0.788	0.449	0.000	0.450	1.126	1.069	0.957	0.338	0.845	0.956
163	0.788	0.393	0.000	0.450	1.126	1.069	0.957	0.338	0.845	0.956
164	0.788	0.340	0.000	0.452	1.126	1.069	0.957	0.281	0.845	0.956
165	0.789	0.452	0.000	0.507	1.126	1.069	0.957	0.226	0.845	0.956

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-22-LS-8CS-DIM-UNV_25W_3500K.IES

CANDELA TABULATION - (Cont.)

166	0.845	0.675	0.000	0.512	1.126	1.069	0.957	0.225	0.845	0.956
167	0.845	0.676	0.000	0.677	1.126	1.069	0.957	0.169	0.845	0.956
168	0.845	0.733	0.000	0.732	1.180	1.069	0.957	0.169	0.845	0.956
169	0.845	0.789	0.000	0.735	1.070	1.069	0.957	0.169	0.845	0.956
170	0.845	0.900	0.000	0.844	1.070	1.069	0.957	0.169	0.901	0.956
171	0.845	0.956	0.000	0.844	1.070	1.069	0.957	0.169	0.792	0.956
172	0.846	0.956	0.000	0.844	1.070	1.069	1.013	0.169	0.788	0.956
173	0.901	0.956	0.000	0.844	1.070	1.014	0.958	0.169	0.788	0.956
174	0.957	0.956	0.000	0.844	1.070	1.013	0.957	0.225	0.788	0.956
175	0.957	0.956	0.056	0.844	1.070	1.068	0.846	0.169	0.788	0.956
176	0.957	0.956	0.056	0.844	1.070	1.014	0.845	0.113	0.788	0.956
177	0.957	0.956	0.056	0.844	1.070	0.957	0.845	0.169	0.788	0.956
178	0.957	0.956	0.056	0.844	1.070	0.902	0.845	0.001	0.788	0.956
179	0.957	0.956	0.056	0.844	1.070	0.844	0.845	0.056	0.788	0.956
180	0.957	0.957	0.957	0.957	0.957	0.957	0.957	0.957	0.957	0.957

Vert. Horizontal Angles

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	1020.965	1020.965	1020.965	1020.965	1020.965	1020.965	1020.965
1	1021.033	1020.146	1020.487	1021.033	1021.443	1020.828	1020.419
2	1020.010	1020.214	1020.419	1020.419	1020.419	1019.737	1020.010
3	1019.464	1018.781	1019.600	1019.941	1019.668	1019.464	1019.395
4	1018.167	1017.280	1017.553	1018.508	1018.304	1018.577	1018.031
5	1016.256	1016.325	1016.461	1016.529	1016.598	1016.461	1017.144
6	1013.732	1014.141	1014.619	1014.687	1014.551	1015.096	1015.028
7	1012.230	1011.958	1012.094	1012.640	1012.845	1012.367	1012.503
8	1008.477	1009.501	1009.433	1009.979	1010.047	1010.047	1010.183
9	1006.294	1006.157	1006.430	1006.908	1006.840	1007.386	1007.113
10	1002.746	1003.018	1003.291	1003.360	1003.633	1003.564	1003.701
11	999.265	998.856	999.538	1000.016	1000.016	999.880	1000.016
12	995.035	995.035	995.922	996.399	996.399	996.263	996.536
13	990.736	991.213	990.940	991.077	991.759	991.828	992.101
14	985.686	986.096	986.778	986.914	987.187	987.870	987.460
15	980.773	980.910	981.797	981.592	982.479	982.479	982.616
16	975.314	975.587	976.406	976.952	977.225	977.020	977.361
17	969.582	969.992	970.469	970.265	971.493	971.152	972.039
18	963.373	963.646	965.010	965.010	965.283	965.283	965.829
19	957.300	957.573	958.596	958.391	959.347	959.074	959.415
20	950.135	950.817	951.841	951.636	952.114	951.977	953.069
21	942.902	943.925	945.017	944.812	945.495	945.699	946.450
22	936.146	936.760	937.784	937.784	937.988	938.125	939.080
23	927.753	928.503	929.800	929.936	930.482	930.346	931.233
24	919.837	921.066	922.294	921.816	922.840	922.976	923.522
25	911.990	912.741	913.560	913.832	914.310	914.583	914.856
26	903.256	903.938	904.825	904.689	905.917	905.849	907.418
27	894.385	895.204	895.681	896.500	896.841	896.773	897.387
28	885.241	885.446	886.811	887.356	887.698	887.834	888.244
29	875.278	876.507	878.076	877.530	878.827	878.690	878.895
30	865.793	867.568	868.250	868.250	868.659	869.205	868.864
31	855.148	856.240	857.400	858.560	858.219	858.424	859.584
32	845.186	846.346	847.369	847.711	848.529	848.325	848.871
33	834.473	835.633	836.656	836.997	837.475	837.748	838.021
34	823.555	824.919	825.943	826.148	826.830	826.625	826.967
35	812.364	813.592	814.547	815.161	816.117	816.049	815.844
36	800.832	801.719	802.538	803.629	804.516	804.175	804.858

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BP-22-LS-8CS-DIM-UNV_25W_3500K.IES

CANDELA TABULATION - (Cont.)

37	788.617	790.255	791.483	791.961	792.848	793.121	793.189
38	776.539	777.699	779.269	779.883	780.497	781.384	780.906
39	764.939	766.099	766.918	767.941	768.487	768.555	769.306
40	751.769	753.339	754.294	755.659	756.205	756.000	756.409
41	738.804	740.101	742.079	742.762	743.171	743.649	744.195
42	725.839	727.681	728.978	729.797	730.070	730.206	730.752
43	712.669	714.580	715.467	716.491	717.378	717.514	717.787
44	699.363	700.591	702.092	703.048	703.662	703.457	704.344
45	685.511	687.285	687.626	689.332	689.878	690.356	690.356
46	671.604	673.092	674.088	675.371	676.292	675.821	675.903
47	656.892	658.707	660.017	661.546	662.003	661.505	662.194
48	642.917	645.026	645.715	646.636	647.660	647.189	647.359
49	628.212	630.430	630.334	632.259	633.316	632.156	633.043
50	613.432	615.165	616.032	617.581	618.516	617.758	618.188
51	598.113	600.835	601.088	602.405	603.920	602.780	603.428
52	583.012	584.984	585.748	587.420	588.621	588.123	588.205
53	567.590	569.883	570.756	572.114	573.111	572.428	572.933
54	552.121	554.147	554.557	556.515	557.566	557.211	556.945
55	536.058	538.460	539.292	540.766	541.571	541.237	541.189
56	520.466	523.106	523.229	525.283	525.809	525.358	525.194
57	504.246	506.504	507.303	508.824	509.814	509.507	509.200
58	487.916	490.489	490.871	492.734	493.798	493.137	493.137
59	471.778	474.644	475.183	476.644	477.476	476.691	476.418
60	455.285	458.281	458.888	460.219	461.379	460.601	460.151
61	438.390	441.897	441.965	443.958	444.736	443.712	443.596
62	421.658	425.056	425.657	427.479	428.154	427.424	427.001
63	404.742	408.420	409.061	410.692	411.982	410.604	410.283
64	387.874	392.009	392.705	394.445	395.114	393.804	393.190
65	370.910	375.496	375.905	377.823	378.416	376.765	376.151
66	353.939	358.580	359.044	360.920	361.077	359.849	358.914
67	337.351	341.896	342.244	344.072	344.332	342.558	341.636
68	320.183	325.116	325.573	327.191	327.532	325.389	324.181
69	303.403	308.289	308.882	310.732	310.384	308.077	306.972
70	286.555	291.769	292.424	293.966	293.884	290.950	289.803
71	269.824	275.003	275.535	276.907	276.415	273.884	272.389
72	253.051	258.394	258.851	260.127	259.567	256.456	254.900
73	236.421	242.058	242.235	243.443	242.672	239.356	237.936
74	219.976	225.503	225.558	227.011	225.995	222.228	220.679
75	203.531	208.990	209.058	210.457	209.365	205.285	203.517
76	187.741	192.606	192.327	193.807	192.313	188.382	186.792
77	171.480	175.956	175.063	177.164	175.670	171.855	169.760
78	155.533	159.429	158.515	160.351	159.245	155.369	153.602
79	139.948	142.923	142.049	143.953	142.991	139.361	137.696
80	124.342	127.119	126.136	127.447	126.635	124.130	122.186
81	108.504	111.049	110.626	111.554	110.667	108.756	107.153
82	92.755	95.491	94.973	95.696	94.973	93.894	92.298
83	77.470	80.158	79.967	80.329	79.428	79.292	77.790
84	62.847	65.590	65.091	65.464	64.732	65.269	63.980
85	48.300	50.826	50.843	50.686	50.389	51.254	50.672
86	34.695	36.944	37.148	36.883	36.954	37.785	38.121
87	21.160	22.906	23.447	23.302	23.832	24.861	25.642
88	9.782	10.708	10.921	11.123	11.861	13.091	14.051
89	1.343	1.539	1.065	1.545	2.154	2.849	3.739
90	0.028	0.028	0.181	0.167	0.280	0.112	0.111
91	0.000	0.000	0.113	0.056	0.168	0.000	0.000
92	0.000	0.000	0.002	0.055	0.112	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BP-22-LS-8CS-DIM-UNV_25W_3500K.IES

CANDELA TABULATION - (Cont.)

93	0.000	0.000	0.000	0.000	0.056	0.000	0.000
94	0.000	0.000	0.000	0.000	0.055	0.000	0.000
95	0.000	0.000	0.000	0.000	0.001	0.000	0.000
96	0.000	0.000	0.000	0.000	0.056	0.000	0.000
97	0.000	0.000	0.000	0.000	0.056	0.000	0.000
98	0.000	0.000	0.000	0.000	0.056	0.000	0.000
99	0.000	0.000	0.000	0.000	0.056	0.056	0.000
100	0.000	0.000	0.000	0.000	0.056	0.056	0.000
101	0.000	0.000	0.000	0.000	0.056	0.056	0.000
102	0.000	0.000	0.000	0.000	0.056	0.056	0.000
103	0.056	0.000	0.000	0.000	0.056	0.056	0.000
104	0.056	0.111	0.000	0.000	0.056	0.056	0.000
105	0.167	0.168	0.000	0.002	0.056	0.056	0.000
106	0.113	0.225	0.000	0.056	0.056	0.056	0.000
107	0.278	0.280	0.055	0.057	0.057	0.056	0.056
108	0.282	0.281	0.111	0.114	0.113	0.056	0.057
109	0.336	0.336	0.169	0.227	0.114	0.056	0.113
110	0.393	0.393	0.278	0.281	0.169	0.056	0.113
111	0.394	0.394	0.227	0.338	0.169	0.056	0.113
112	0.449	0.394	0.336	0.452	0.170	0.056	0.115
113	0.450	0.450	0.448	0.563	0.227	0.056	0.224
114	0.450	0.505	0.675	0.563	0.338	0.056	0.169
115	0.450	0.562	0.676	0.675	0.338	0.056	0.170
116	0.560	0.618	0.730	0.676	0.338	0.056	0.281
117	0.563	0.619	0.732	0.731	0.338	0.056	0.225
118	0.563	0.619	0.787	0.731	0.339	0.056	0.225
119	0.563	0.674	0.788	0.731	0.452	0.056	0.225
120	0.563	0.732	0.788	0.733	0.507	0.226	0.228
121	0.563	0.732	0.788	0.843	0.564	0.506	0.399
122	0.563	0.787	0.788	0.788	0.620	0.620	0.678
123	0.563	0.788	0.788	0.788	0.675	0.676	0.788
124	0.563	0.788	0.788	0.788	0.619	0.732	0.732
125	0.563	0.788	0.788	0.788	0.619	0.732	0.732
126	0.563	0.788	0.788	0.788	0.619	0.732	0.734
127	0.563	0.788	0.788	0.788	0.619	0.734	0.788
128	0.563	0.788	0.788	0.788	0.619	0.844	0.788
129	0.563	0.788	0.788	0.788	0.619	0.788	0.788
130	0.563	0.788	0.788	0.788	0.619	0.788	0.788
131	0.563	0.788	0.788	0.788	0.619	0.788	0.788
132	0.563	0.788	0.788	0.788	0.619	0.788	0.788
133	0.563	0.788	0.788	0.788	0.619	0.788	0.789
134	0.563	0.788	0.788	0.788	0.619	0.788	0.845
135	0.563	0.788	0.788	0.788	0.619	0.788	0.845
136	0.563	0.788	0.788	0.788	0.560	0.788	0.845
137	0.563	0.788	0.788	0.788	0.450	0.788	0.845
138	0.563	0.788	0.788	0.788	0.448	0.788	0.845
139	0.563	0.788	0.788	0.788	0.337	0.788	0.845
140	0.563	0.788	0.788	0.788	0.281	0.788	0.845
141	0.563	0.788	0.844	0.788	0.278	0.788	0.845
142	0.619	0.788	0.789	0.788	0.168	0.788	0.845
143	0.619	0.788	0.900	0.788	0.113	0.788	0.846
144	0.619	0.788	0.846	0.788	0.112	0.788	0.900
145	0.619	0.788	0.844	0.789	0.055	0.788	0.843
146	0.675	0.788	0.844	0.841	0.000	0.788	0.788
147	0.676	0.788	0.844	0.731	0.000	0.788	0.788
148	0.732	0.788	0.844	0.728	0.000	0.732	0.788

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BP-22-LS-8CS-DIM-UNV_25W_3500K.IES

CANDELA TABULATION - (Cont.)

149	0.732	0.788	0.844	0.620	0.000	0.675	0.788
150	0.844	0.788	0.844	0.672	0.000	0.675	0.788
151	0.899	0.788	0.844	0.562	0.000	0.619	0.788
152	0.956	0.788	0.844	0.506	0.000	0.620	0.788
153	0.957	0.788	0.900	0.506	0.000	0.674	0.788
154	0.957	0.733	0.791	0.506	0.000	0.619	0.788
155	0.957	0.676	0.732	0.508	0.000	0.563	0.788
156	0.957	0.675	0.732	0.562	0.000	0.563	0.788
157	0.957	0.510	0.732	0.505	0.000	0.563	0.788
158	0.957	0.397	0.622	0.450	0.000	0.563	0.788
159	0.957	0.339	0.619	0.449	0.000	0.563	0.788
160	0.957	0.226	0.619	0.394	0.000	0.564	0.788
161	0.957	0.225	0.619	0.394	0.000	0.619	0.788
162	0.957	0.170	0.619	0.394	0.000	0.507	0.788
163	0.957	0.169	0.619	0.394	0.000	0.507	0.788
164	0.957	0.169	0.675	0.394	0.000	0.507	0.788
165	0.957	0.169	0.676	0.395	0.000	0.507	0.789
166	0.957	0.169	0.676	0.508	0.000	0.563	0.845
167	0.957	0.169	0.731	0.564	0.000	0.619	0.845
168	0.957	0.169	0.844	0.677	0.000	0.843	0.845
169	0.957	0.169	0.844	0.732	0.000	0.788	0.845
170	0.957	0.169	0.844	0.788	0.000	0.788	0.845
171	0.957	0.169	0.844	0.788	0.000	0.788	0.845
172	0.957	0.169	0.844	0.788	0.000	0.788	0.846
173	0.957	0.114	0.844	0.788	0.000	0.788	0.901
174	0.957	0.113	0.844	0.788	0.000	0.788	0.957
175	0.957	0.113	0.844	0.788	0.000	0.788	0.957
176	0.957	0.113	0.844	0.788	0.000	0.788	0.957
177	0.957	0.113	0.844	0.788	0.000	0.788	0.957
178	0.957	0.058	0.844	0.788	0.000	0.788	0.957
179	0.957	0.056	0.844	0.845	0.000	0.788	0.957
180	0.957	0.957	0.957	0.957	0.957	0.957	0.957

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BP-22-LS-8CS-DIM-UNV_25W_3500K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	373.71	N.A.	12.60
0-30	794.77	N.A.	26.80
0-40	1304.33	N.A.	43.90
0-60	2317.21	N.A.	78.10
0-80	2907.01	N.A.	97.90
0-90	2965.88	N.A.	99.90
10-90	2869.27	N.A.	96.70
20-40	930.62	N.A.	31.30
20-50	1461.46	N.A.	49.20
40-70	1383.97	N.A.	46.60
60-80	589.79	N.A.	19.90
70-80	218.70	N.A.	7.40
80-90	58.88	N.A.	2.00
90-110	0.10	N.A.	0.00
90-120	0.51	N.A.	0.00
90-130	1.14	N.A.	0.00
90-150	2.24	N.A.	0.10
90-180	2.80	N.A.	0.10
110-180	2.71	N.A.	0.10
0-180	2968.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	96.61
10-20	277.10
20-30	421.06
30-40	509.56
40-50	530.84
50-60	482.04
60-70	371.09
70-80	218.70
80-90	58.88
90-100	0.02
100-110	0.08
110-120	0.41
120-130	0.64
130-140	0.62
140-150	0.47
150-160	0.32
160-170	0.18
170-180	0.07

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BP-22-LS-8CS-DIM-UNV_25W_3500K.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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

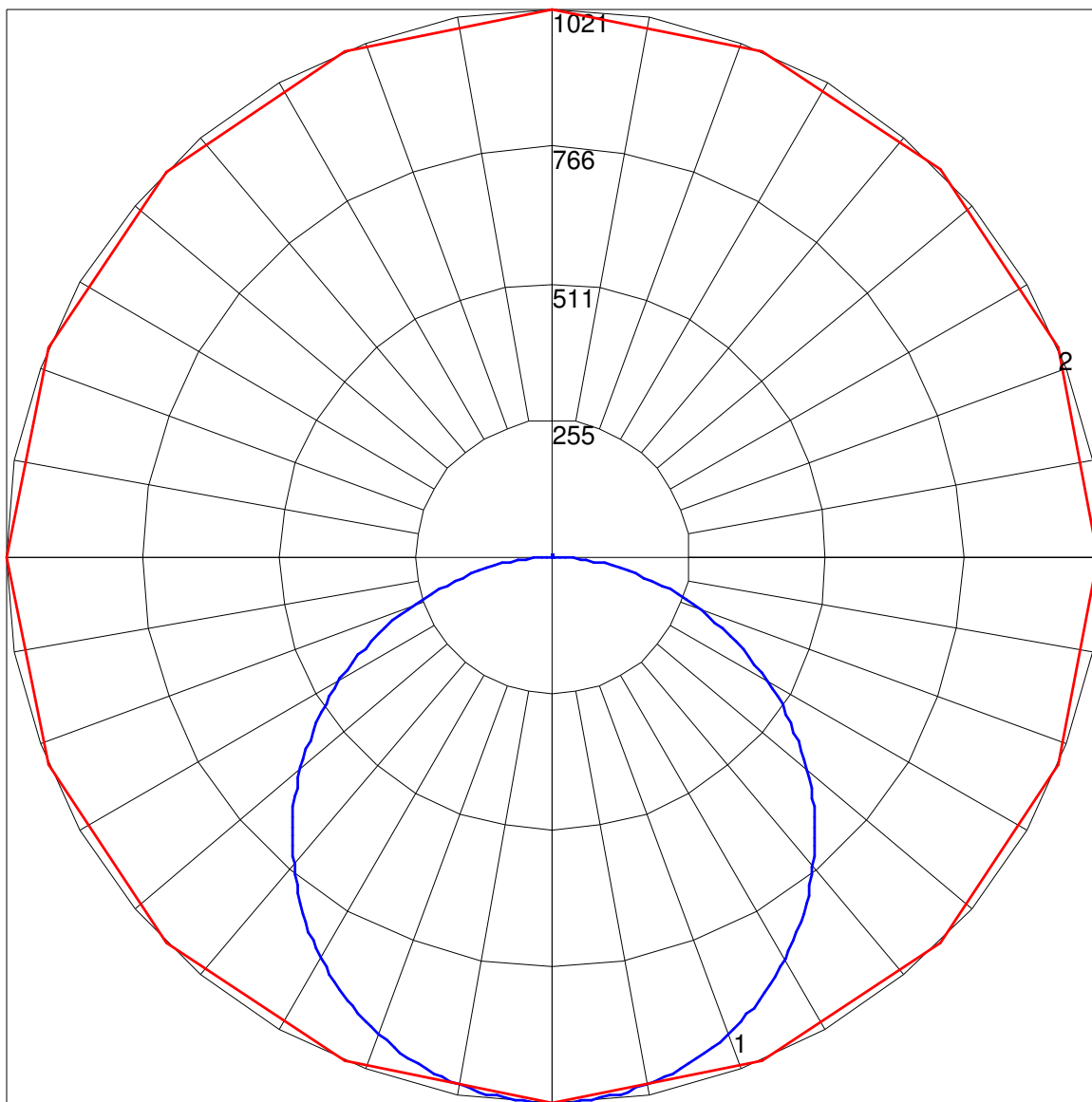
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BP-22-LS-8CS-DIM-UNV_25W_3500K.IES

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					UGR Viewed Endwise				
X=2H	Y=2H	16.3	17.9	16.6	18.2	18.5	16.3	17.9	16.6	18.2	18.5
	3H	18.1	19.6	18.5	19.9	20.3	18.2	19.7	18.5	20.0	20.3
	4H	18.8	20.2	19.2	20.6	20.9	18.9	20.3	19.3	20.7	21.0
	6H	19.3	20.6	19.7	21.0	21.4	19.5	20.8	19.9	21.1	21.5
	8H	19.5	20.7	19.9	21.1	21.5	19.7	20.9	20.1	21.3	21.7
	12H	19.6	20.8	20.0	21.1	21.6	19.8	21.0	20.2	21.3	21.8
4H	2H	16.9	18.3	17.3	18.7	19.0	16.9	18.3	17.3	18.7	19.1
	3H	19.0	20.2	19.4	20.6	21.0	19.0	20.2	19.4	20.6	21.0
	4H	19.8	20.9	20.2	21.3	21.7	19.9	21.0	20.3	21.4	21.8
	6H	20.4	21.4	20.9	21.8	22.3	20.6	21.6	21.1	22.0	22.4
	8H	20.7	21.5	21.1	22.0	22.4	20.9	21.7	21.3	22.2	22.6
	12H	20.8	21.6	21.3	22.1	22.5	21.0	21.8	21.5	22.3	22.8
8H	4H	20.2	21.0	20.6	21.5	21.9	20.3	21.1	20.7	21.6	22.0
	6H	20.9	21.6	21.4	22.1	22.6	21.1	21.8	21.5	22.3	22.8
	8H	21.2	21.9	21.7	22.4	22.8	21.4	22.0	21.9	22.5	23.0
	12H	21.4	22.0	21.9	22.5	23.0	21.6	22.2	22.1	22.7	23.3
12H	4H	20.2	21.0	20.7	21.5	21.9	20.3	21.1	20.8	21.5	22.0
	6H	21.0	21.7	21.5	22.1	22.7	21.1	21.8	21.7	22.3	22.8
	8H	21.3	21.9	21.8	22.4	23.0	21.5	22.1	22.0	22.6	23.1

Maximum UGR = 23.3

POLAR GRAPH



Maximum Candela = 1021.443 Located At Horizontal Angle = 315, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)