

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-14-LS-8CS-BP1416S-DIM-UNV_25W_3500K_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #13374551.01

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 11/15/2023

[MANUFAC] WILLIAMS INDOOR

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

[LUMCAT] BP-14-LS-8CS-BP1416S-DIM-UNV-250W-3500k

[LUMINAIRE] Formed white steel housing, W/ 6-cell semi specular louver

[OTHER] This test was performed using the calibrated photodetector method 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	2495
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	26
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)	3.81 ft
Luminous Width (90-270)	0.81 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3259	3061	3235
55	2978	2720	2949
65	1952	1918	2189
75	409	473	543
85	216	228	305

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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	1066.840	1066.840	1066.840	1066.840	1066.840
0.5	1078.760	1069.075	1062.370	1063.115	1063.860
1.0	1078.015	1069.075	1061.625	1062.370	1064.605
1.5	1078.015	1069.075	1061.625	1062.370	1063.860
2.0	1078.015	1069.075	1060.880	1061.625	1063.115
2.5	1077.270	1067.585	1060.135	1061.625	1063.860
3.0	1075.780	1066.840	1060.135	1061.625	1063.115
3.5	1075.780	1066.840	1059.390	1060.135	1061.625
4.0	1074.290	1065.350	1057.900	1059.390	1061.625
4.5	1072.800	1064.605	1057.900	1058.645	1061.625
5.0	1071.310	1063.115	1056.410	1057.900	1060.880
5.5	1069.820	1060.880	1054.920	1057.155	1060.135
6.0	1067.585	1058.645	1053.430	1055.665	1057.900
6.5	1065.350	1057.155	1052.685	1054.175	1056.410
7.0	1063.115	1055.665	1050.450	1052.685	1054.920
7.5	1061.625	1052.685	1048.215	1051.195	1053.430
8.0	1057.900	1050.450	1046.725	1048.960	1051.195
8.5	1054.920	1048.215	1045.235	1046.725	1048.960
9.0	1051.940	1045.235	1042.255	1045.235	1046.725
9.5	1049.705	1042.255	1040.020	1043.000	1043.745
10.0	1045.980	1039.275	1037.040	1040.020	1041.510
10.5	1043.000	1036.295	1034.060	1037.040	1038.530
11.0	1039.275	1033.315	1030.335	1034.805	1036.295
11.5	1037.040	1029.590	1027.355	1031.825	1032.570
12.0	1032.570	1026.610	1023.630	1028.100	1030.335
12.5	1029.590	1022.885	1020.650	1024.375	1026.610
13.0	1025.865	1019.160	1016.925	1021.395	1023.630
13.5	1022.140	1016.180	1012.455	1018.415	1019.160
14.0	1018.415	1012.455	1007.985	1013.945	1016.925
14.5	1014.690	1008.730	1003.515	1010.220	1013.945
15.0	1010.965	1004.260	999.790	1006.495	1010.965
15.5	1007.240	1000.535	996.065	1003.515	1007.240
16.0	1002.770	996.810	990.105	999.045	1003.515
16.5	999.045	993.085	985.635	995.320	1000.535
17.0	995.320	988.615	981.165	991.595	996.810
17.5	991.595	984.890	976.695	987.125	992.340
18.0	987.870	981.165	971.480	981.910	988.615
18.5	983.400	976.695	967.010	978.930	984.890
19.0	979.675	972.225	962.540	973.715	981.165
19.5	975.205	967.755	958.070	969.245	976.695
20.0	971.480	963.285	952.855	964.775	972.225
20.5	967.010	958.815	947.640	959.560	968.500
21.0	962.540	954.345	943.170	955.090	964.030
21.5	958.070	949.875	937.955	949.875	959.560
22.0	954.345	945.405	932.740	944.660	955.090
22.5	949.875	940.190	927.525	939.445	950.620
23.0	945.405	934.975	922.310	934.975	946.150
23.5	940.190	929.760	917.095	929.760	940.935
24.0	935.720	925.290	911.135	923.800	935.720
24.5	931.995	920.075	905.920	918.585	930.505
25.0	926.780	914.115	899.960	913.370	926.035
25.5	921.565	908.900	895.490	907.410	920.820
26.0	917.095	903.685	889.530	901.450	915.605
26.5	911.880	898.470	883.570	896.235	910.390

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BP-14-LS-8CS-BP1416S-DIM-UNV_25W_3500K_.IES****CANDELA TABULATION - (Cont.)**

27.0	906.665	892.510	877.610	890.275	905.175
27.5	899.960	886.550	872.395	885.060	899.960
28.0	895.490	880.590	866.435	878.355	894.000
28.5	890.275	875.375	860.475	872.395	889.530
29.0	884.315	869.415	854.515	866.435	884.315
29.5	879.100	863.455	848.555	861.220	878.355
30.0	873.140	856.750	842.595	854.515	872.395
30.5	867.180	850.790	835.890	847.810	867.180
31.0	860.475	844.830	829.930	841.105	861.220
31.5	854.515	838.125	823.970	835.145	854.515
32.0	848.555	832.165	816.520	829.185	849.300
32.5	842.595	824.715	810.560	822.480	842.595
33.0	835.890	818.755	803.855	815.775	836.635
33.5	829.185	812.050	797.150	809.070	829.930
34.0	823.225	805.345	791.190	801.620	823.225
34.5	816.520	798.640	783.740	794.915	816.520
35.0	810.560	791.935	777.035	788.210	809.815
35.5	803.855	785.230	769.585	780.015	803.110
36.0	797.150	777.780	762.135	772.565	794.915
36.5	791.190	771.075	756.175	765.115	787.465
37.0	783.740	763.625	748.725	757.665	780.015
37.5	776.290	756.920	741.201	750.215	773.310
38.0	770.330	749.470	733.602	742.169	765.115
38.5	762.880	742.393	725.779	733.974	757.665
39.0	756.175	734.272	718.404	726.524	749.470
39.5	749.470	726.599	711.028	718.627	742.393
40.0	741.871	719.298	703.057	710.730	735.166
40.5	734.049	711.252	695.383	702.684	727.195
41.0	727.269	703.653	687.710	695.234	720.117
41.5	718.851	695.681	679.366	687.337	712.518
42.0	711.326	687.561	671.841	679.142	704.919
42.5	703.504	679.440	663.795	671.916	697.991
43.0	696.277	671.543	655.973	664.019	690.466
43.5	687.784	663.274	647.703	655.898	682.867
44.0	680.185	655.451	640.179	648.523	674.821
44.5	672.363	647.331	632.133	640.626	667.222
45.0	664.317	639.210	623.863	632.282	659.400
45.5	656.569	630.643	615.966	624.459	651.428
46.0	648.374	622.299	608.144	616.786	643.680
46.5	639.583	614.178	599.800	608.293	635.485
47.0	631.909	606.281	591.530	599.949	627.216
47.5	623.565	598.012	583.186	591.679	619.468
48.0	615.743	589.593	575.215	583.410	611.198
48.5	607.771	581.026	566.871	574.917	602.705
49.0	599.651	572.458	558.303	566.424	594.287
49.5	591.232	564.040	549.587	558.005	585.719
50.0	582.218	555.323	541.168	549.363	577.524
50.5	573.650	546.532	532.377	540.498	568.733
51.0	565.157	537.518	523.586	531.558	560.017
51.5	556.366	528.652	514.646	522.916	551.673
52.0	547.724	519.489	505.855	513.827	542.435
52.5	538.635	510.251	496.692	504.887	533.793
53.0	529.546	501.087	487.305	496.021	525.076
53.5	520.383	491.700	477.992	486.783	515.540
54.0	510.847	482.164	468.829	477.396	506.377
54.5	501.609	472.628	459.293	468.009	496.915

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55.0	492.371	462.794	449.682	458.697	487.603
55.5	482.537	453.035	439.923	449.012	478.365
56.0	472.777	443.201	430.312	439.178	468.605
56.5	462.943	433.292	420.329	429.269	458.548
57.0	452.811	423.011	410.123	419.361	448.639
57.5	442.605	412.879	400.140	409.229	438.284
58.0	432.473	402.598	389.933	398.873	428.375
58.5	422.415	391.945	379.354	388.741	417.871
59.0	411.836	381.440	369.073	378.311	407.217
59.5	400.959	370.712	358.494	367.881	396.117
60.0	389.635	359.686	347.692	357.228	384.793
60.5	377.790	348.362	336.815	346.351	373.469
61.0	365.348	336.815	325.863	335.325	361.996
61.5	352.162	325.267	314.614	324.224	350.150
62.0	338.454	313.422	303.662	312.975	338.454
62.5	324.075	301.278	292.338	301.800	326.981
63.0	308.803	288.688	280.940	290.550	315.061
63.5	292.711	275.427	269.318	279.077	303.066
64.0	275.278	261.868	257.547	267.530	290.923
64.5	256.951	247.862	245.701	256.057	278.854
65.0	237.804	233.260	233.707	244.360	266.636
65.5	217.689	218.211	221.712	232.813	254.194
66.0	197.574	202.789	209.718	221.116	241.902
66.5	177.459	186.921	197.723	209.420	229.609
67.0	157.493	170.978	185.803	197.872	217.168
67.5	137.304	155.184	173.809	186.176	204.652
68.0	117.934	139.315	161.963	174.554	192.210
68.5	100.948	123.745	150.341	163.081	179.471
69.0	86.644	108.845	138.794	151.533	166.508
69.5	75.245	95.137	127.619	140.135	153.098
70.0	66.752	83.142	116.742	128.885	139.688
70.5	60.271	72.414	106.237	117.785	125.756
71.0	55.428	63.251	95.956	106.833	112.272
71.5	51.182	56.024	86.122	96.105	100.724
72.0	47.382	50.064	76.810	85.526	89.400
72.5	43.881	45.296	68.019	75.990	79.417
73.0	40.752	41.273	59.824	67.348	70.030
73.5	37.921	37.921	52.374	59.675	60.569
74.0	35.313	35.015	45.818	52.672	51.927
74.5	32.855	32.408	40.156	46.190	45.818
75.0	30.545	30.024	35.313	40.081	40.528
75.5	28.459	27.863	31.067	35.388	37.101
76.0	26.448	25.926	27.789	31.514	34.196
76.5	24.511	24.138	25.032	28.683	31.439
77.0	22.797	22.425	22.797	26.373	29.130
77.5	21.158	20.860	20.860	24.287	27.044
78.0	19.668	19.370	19.221	22.425	25.032
78.5	18.178	18.029	17.731	20.786	23.244
79.0	16.912	16.763	16.465	19.221	21.605
79.5	15.645	15.571	15.198	17.806	20.115
80.0	14.453	14.379	14.081	16.465	18.700
80.5	13.336	13.336	13.038	15.273	17.359
81.0	12.293	12.293	12.069	14.155	16.018
81.5	11.250	11.324	11.175	13.038	14.900
82.0	10.356	10.430	10.207	11.995	13.708
82.5	9.462	9.536	9.387	11.026	12.591

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BP-14-LS-8CS-BP1416S-DIM-UNV_25W_3500K_.IES****CANDELA TABULATION - (Cont.)**

83.0	8.568	8.717	8.568	10.132	11.622
83.5	7.748	7.897	7.823	9.238	10.579
84.0	6.929	7.152	7.078	8.344	9.611
84.5	6.109	6.333	6.407	7.525	8.568
85.0	5.439	5.662	5.737	6.705	7.674
85.5	4.694	4.992	5.066	5.886	6.780
86.0	4.023	4.321	4.396	5.141	5.886
86.5	3.353	3.725	3.800	4.396	4.992
87.0	2.757	3.055	3.204	3.651	4.172
87.5	2.235	2.533	2.682	2.980	3.427
88.0	1.639	2.012	2.235	2.459	2.757
88.5	1.192	1.639	1.863	2.012	2.235
89.0	0.820	1.267	1.490	1.714	1.863
89.5	0.522	1.043	1.192	1.341	1.490
90.0	0.000	0.000	0.000	0.000	0.000
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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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-14-LS-8CS-BP1416S-DIM-UNV_25W_3500K_.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-14-LS-8CS-BP1416S-DIM-UNV_25W_3500K_.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-14-LS-8CS-BP1416S-DIM-UNV_25W_3500K_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	384.08	N.A.	15.40
0-30	804.85	N.A.	32.30
0-40	1299.36	N.A.	52.10
0-60	2206.11	N.A.	88.40
0-80	2487.63	N.A.	99.70
0-90	2494.93	N.A.	100.00
10-90	2394.33	N.A.	96.00
20-40	915.28	N.A.	36.70
20-50	1408.04	N.A.	56.40
40-70	1141.48	N.A.	45.80
60-80	281.52	N.A.	11.30
70-80	46.79	N.A.	1.90
80-90	7.30	N.A.	0.30
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2494.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	100.60
10-20	283.48
20-30	420.77
30-40	494.51
40-50	492.76
50-60	413.99
60-70	234.73
70-80	46.79
80-90	7.30
90-100	0.00
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-14-LS-8CS-BP1416S-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	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	94	88	83	99	93	87	82	89	85	81	86	82	79	83	80	77	75
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	67	65
4	86	75	67	61	84	74	66	60	71	65	59	69	63	59	67	62	58	56
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38
8	63	51	42	37	62	50	42	37	49	42	36	47	41	36	46	40	36	34
9	59	46	39	33	58	46	38	33	45	38	33	44	37	33	43	37	33	31
10	56	43	35	30	54	42	35	30	41	35	30	41	34	30	40	34	30	28

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-14-LS-8CS-BP1416S-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

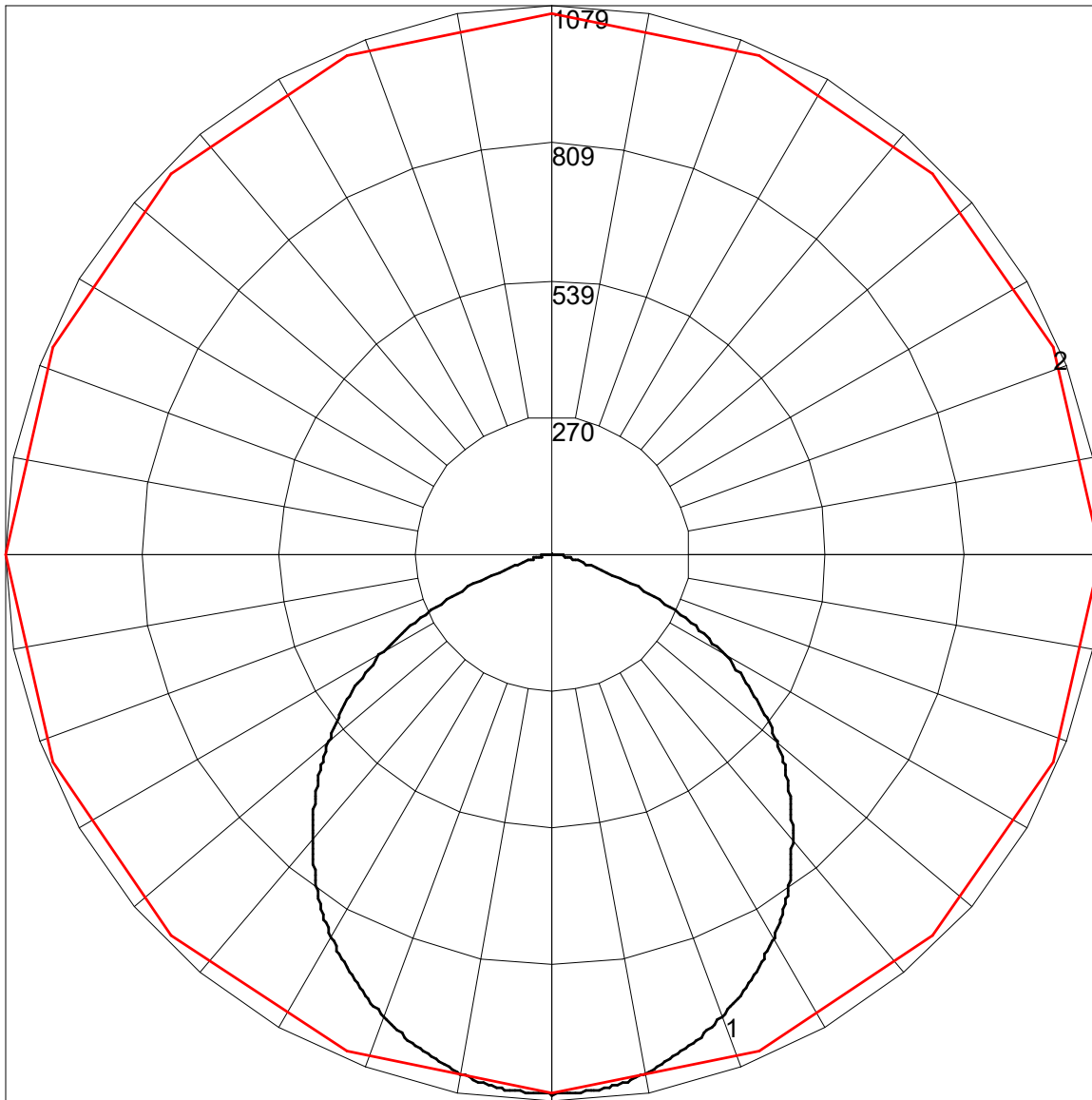
X=2H	Y=2H	15.8	17.3	16.2	17.6	18.0	15.7	17.3	16.1	17.6	17.9
	3H	16.1	17.5	16.5	17.8	18.2	16.6	18.0	17.0	18.3	18.7
	4H	16.1	17.4	16.5	17.7	18.1	16.6	17.9	17.0	18.3	18.6
	6H	16.1	17.3	16.5	17.6	18.0	16.6	17.8	17.0	18.2	18.5
	8H	16.1	17.2	16.5	17.6	18.0	16.6	17.7	17.0	18.1	18.5
	12H	16.0	17.1	16.5	17.5	17.9	16.6	17.6	17.0	18.0	18.4

UGR Viewed Endwise

4H	2H	16.1	17.4	16.5	17.7	18.1	16.1	17.3	16.5	17.7	18.1
	3H	16.5	17.6	16.9	18.0	18.4	17.0	18.0	17.4	18.4	18.8
	4H	16.5	17.4	16.9	17.9	18.3	17.0	18.0	17.5	18.4	18.8
	6H	16.5	17.3	16.9	17.7	18.2	17.0	17.8	17.5	18.3	18.7
	8H	16.5	17.2	16.9	17.6	18.1	17.0	17.7	17.5	18.2	18.7
	12H	16.4	17.1	16.9	17.6	18.0	17.0	17.6	17.4	18.1	18.6
8H	4H	16.5	17.2	16.9	17.7	18.1	17.0	17.7	17.4	18.2	18.6
	6H	16.4	17.0	16.9	17.5	18.0	17.0	17.6	17.5	18.1	18.5
	8H	16.4	17.0	16.9	17.5	18.0	16.9	17.5	17.4	18.0	18.5
	12H	16.4	16.9	16.9	17.4	17.9	16.9	17.4	17.4	17.9	18.5
12H	4H	16.4	17.1	16.9	17.6	18.1	16.9	17.6	17.4	18.1	18.6
	6H	16.4	17.0	16.9	17.4	18.0	16.9	17.5	17.4	17.9	18.5
	8H	16.4	16.9	16.9	17.4	17.9	16.9	17.4	17.4	17.9	18.4

Maximum UGR = 18.8

POLAR GRAPH



Maximum Candela = 1078.76 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.)