

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-14-LS-8CS-BP1416W-DIM-UNV_25W_3500K_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #13374551.02

[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-BP1416W-DIM-UNV-25W-3500k

[LUMINAIRE] Formed white steel housing with 6-cell white louver

[OTHER] This test was performed using the calibrated photodetector method

[MORE] 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	2653
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	30
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.22
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	3176	2961	3278
55	2826	2612	2967
65	2171	2121	2422
75	1380	1425	1411
85	1204	1183	1180

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BP-14-LS-8CS-BP1416W-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>
0.0	1187.530	1187.530	1187.530	1187.530	1187.530
0.5	1200.195	1191.255	1182.315	1183.060	1184.550
1.0	1200.195	1191.255	1181.570	1183.060	1184.550
1.5	1198.705	1189.765	1180.825	1182.315	1184.550
2.0	1197.960	1189.020	1180.080	1181.570	1183.805
2.5	1196.470	1187.530	1179.335	1180.825	1183.060
3.0	1194.235	1186.040	1177.845	1180.080	1182.315
3.5	1192.745	1183.805	1176.355	1178.590	1180.825
4.0	1190.510	1181.570	1174.865	1177.100	1180.080
4.5	1187.530	1179.335	1172.630	1175.610	1179.335
5.0	1185.295	1177.100	1170.395	1174.120	1177.100
5.5	1182.315	1174.120	1168.160	1171.885	1175.610
6.0	1178.590	1171.140	1165.180	1170.395	1174.120
6.5	1174.865	1167.415	1162.200	1167.415	1171.140
7.0	1171.140	1164.435	1159.220	1165.180	1167.415
7.5	1166.670	1159.965	1156.240	1161.455	1165.180
8.0	1162.200	1155.495	1152.515	1158.475	1162.200
8.5	1157.730	1151.770	1148.790	1154.750	1159.220
9.0	1153.260	1146.555	1145.065	1151.025	1155.495
9.5	1148.045	1142.085	1140.595	1148.045	1151.770
10.0	1142.830	1136.870	1136.125	1143.575	1147.300
10.5	1138.360	1132.400	1130.910	1139.105	1142.830
11.0	1132.400	1127.185	1125.695	1133.890	1138.360
11.5	1127.185	1121.225	1121.225	1128.675	1134.635
12.0	1121.970	1116.010	1115.265	1124.205	1129.420
12.5	1116.755	1110.795	1109.305	1118.990	1124.205
13.0	1110.795	1104.835	1103.345	1113.775	1120.480
13.5	1105.580	1099.620	1097.385	1108.560	1116.755
14.0	1099.620	1094.405	1090.680	1103.345	1110.795
14.5	1094.405	1088.445	1083.975	1098.130	1106.325
15.0	1089.190	1082.485	1078.015	1092.170	1101.110
15.5	1083.230	1076.525	1071.310	1086.210	1095.895
16.0	1077.270	1070.565	1063.860	1080.250	1090.680
16.5	1071.310	1064.605	1057.900	1074.290	1085.465
17.0	1066.095	1058.645	1050.450	1068.330	1080.995
17.5	1060.135	1052.685	1043.745	1062.370	1075.035
18.0	1054.920	1046.725	1037.785	1055.665	1069.820
18.5	1048.215	1040.765	1031.080	1049.705	1064.605
19.0	1042.255	1034.060	1023.630	1043.000	1058.645
19.5	1036.295	1027.355	1016.925	1036.295	1053.430
20.0	1031.080	1021.395	1010.220	1030.335	1047.470
20.5	1023.630	1015.435	1002.770	1022.885	1040.765
21.0	1018.415	1007.985	995.320	1016.180	1034.805
21.5	1011.710	1001.280	988.615	1009.475	1028.845
22.0	1005.750	994.575	981.910	1002.770	1022.140
22.5	999.045	987.870	974.460	994.575	1016.180
23.0	993.085	980.420	967.010	987.870	1009.475
23.5	986.380	973.715	959.560	980.420	1004.260
24.0	980.420	966.265	952.110	972.970	996.810
24.5	973.715	958.815	944.660	966.265	990.105
25.0	967.010	952.110	937.210	958.815	984.145
25.5	960.305	944.660	929.760	951.365	977.440
26.0	953.600	936.465	921.565	943.915	969.990
26.5	946.150	929.760	914.115	936.465	964.030

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27.0	939.445	921.565	906.665	928.270	957.325
27.5	931.995	914.115	899.215	921.565	949.875
28.0	925.290	906.665	890.275	913.370	943.170
28.5	917.840	898.470	882.825	905.920	936.465
29.0	910.390	891.020	875.375	898.470	929.015
29.5	903.685	882.825	867.180	890.275	922.310
30.0	895.490	875.375	859.730	882.825	915.605
30.5	888.040	867.180	851.535	875.375	908.155
31.0	880.590	858.985	843.340	867.180	901.450
31.5	873.140	850.790	835.890	858.985	894.000
32.0	864.945	842.595	827.695	851.535	886.550
32.5	857.495	835.145	819.500	842.595	879.100
33.0	850.045	826.205	811.305	834.400	870.905
33.5	841.850	818.755	803.110	826.950	863.455
34.0	834.400	810.560	794.915	818.010	855.260
34.5	825.460	801.620	786.720	809.815	847.065
35.0	818.010	792.680	777.780	800.875	838.870
35.5	809.815	785.230	769.585	792.680	830.675
36.0	801.620	776.290	761.390	783.740	822.480
36.5	793.425	768.095	752.450	774.800	813.540
37.0	785.230	759.900	743.957	765.860	805.345
37.5	777.035	750.960	735.241	756.920	796.405
38.0	768.840	741.722	726.226	747.980	787.465
38.5	760.645	733.453	717.584	739.115	778.525
39.0	752.450	724.662	708.793	729.951	769.585
39.5	743.808	715.796	699.928	721.384	761.390
40.0	735.092	707.154	690.988	712.667	752.450
40.5	726.599	698.289	682.644	703.653	744.106
41.0	718.106	689.498	673.406	694.713	735.539
41.5	709.017	680.111	664.168	686.071	726.897
42.0	700.822	671.245	655.526	677.503	719.298
42.5	691.509	662.082	647.107	668.638	711.028
43.0	682.867	653.142	638.167	660.070	702.014
43.5	673.927	644.649	629.525	651.801	694.042
44.0	665.136	635.560	620.362	643.159	685.698
44.5	655.749	626.471	612.390	634.591	676.684
45.0	647.331	617.084	603.525	626.024	668.116
45.5	638.167	608.293	594.510	617.307	660.145
46.0	629.376	599.353	586.241	608.516	651.279
46.5	620.436	590.264	579.014	599.800	641.967
47.0	611.347	581.845	570.372	590.934	633.548
47.5	602.482	574.023	562.028	582.814	624.683
48.0	593.616	564.785	552.939	575.215	615.966
48.5	584.527	556.217	545.117	566.498	607.175
49.0	575.811	548.097	536.922	557.782	598.161
49.5	568.137	539.753	528.205	549.140	588.997
50.0	559.123	530.887	519.489	541.392	581.249
50.5	551.375	521.798	510.772	532.526	572.309
51.0	542.062	512.635	501.907	523.512	563.593
51.5	532.675	503.620	493.339	514.572	554.578
52.0	523.214	494.829	484.399	505.781	545.862
52.5	513.827	485.517	475.757	496.692	537.369
53.0	504.514	476.279	467.041	487.752	528.056
53.5	495.425	467.413	458.026	478.812	519.042
54.0	486.038	458.250	449.459	469.797	509.506
54.5	476.502	449.012	440.668	460.708	500.268

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55.0	467.190	440.072	431.877	451.768	490.583
55.5	457.281	430.908	422.937	442.679	481.196
56.0	447.894	421.819	414.071	433.665	471.883
56.5	438.358	412.656	405.131	424.576	462.422
57.0	428.897	403.343	396.564	415.561	452.513
57.5	419.212	394.180	387.698	406.472	443.052
58.0	409.452	385.165	378.833	397.458	433.441
58.5	399.693	375.853	370.042	388.443	423.607
59.0	390.306	366.540	361.325	379.205	414.220
59.5	380.621	357.600	352.609	370.191	404.535
60.0	371.010	348.362	343.967	361.400	394.552
60.5	361.176	339.124	335.176	352.460	384.644
61.0	351.342	329.961	326.683	343.296	374.959
61.5	341.285	320.872	317.817	334.356	365.050
62.0	331.227	311.634	309.324	325.416	355.440
62.5	321.021	302.545	300.906	316.625	345.457
63.0	310.442	293.381	292.413	307.611	335.474
63.5	299.490	284.218	283.771	298.671	325.267
64.0	288.241	274.905	275.352	289.731	315.433
64.5	276.395	265.444	266.859	280.865	305.227
65.0	264.475	255.908	258.366	271.925	295.095
65.5	252.257	246.223	250.022	262.911	284.963
66.0	239.592	236.314	241.678	253.896	274.458
66.5	226.555	226.108	233.409	245.031	264.028
67.0	213.145	215.827	225.214	236.016	253.747
67.5	198.990	205.397	216.944	227.076	242.945
68.0	184.909	194.669	208.749	218.062	232.440
68.5	171.797	183.792	200.703	209.122	221.787
69.0	160.846	173.138	192.657	200.033	210.761
69.5	151.757	163.155	184.537	191.093	199.660
70.0	144.754	153.619	176.640	182.153	188.262
70.5	139.464	145.201	168.668	173.213	176.640
71.0	135.218	138.049	160.771	164.198	165.092
71.5	130.971	132.089	153.321	155.407	155.258
72.0	126.874	126.799	145.797	146.542	146.244
72.5	122.776	122.180	138.347	138.347	137.602
73.0	118.753	118.008	131.046	131.046	129.183
73.5	114.656	113.985	124.117	124.192	121.286
74.0	110.782	110.037	117.785	117.636	115.401
74.5	106.833	106.163	111.825	111.229	110.037
75.0	102.959	102.363	106.312	105.716	105.269
75.5	99.011	98.564	101.246	101.022	100.873
76.0	95.137	94.764	96.552	96.552	96.627
76.5	91.337	91.039	92.231	92.455	92.529
77.0	87.538	87.314	88.134	88.432	88.581
77.5	83.664	83.515	84.185	84.409	84.632
78.0	79.939	79.790	80.386	80.535	80.758
78.5	76.214	76.139	76.586	76.661	76.959
79.0	72.489	72.489	72.861	72.936	73.159
79.5	68.913	68.838	69.136	69.136	69.434
80.0	65.337	65.188	65.411	65.411	65.709
80.5	61.835	61.612	61.761	61.686	61.984
81.0	58.259	58.036	58.110	58.036	58.259
81.5	54.683	54.460	54.460	54.385	54.683
82.0	51.107	50.884	50.884	50.735	51.033
82.5	47.606	47.308	47.308	47.159	47.457

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83.0	44.104	43.806	43.732	43.508	43.806
83.5	40.528	40.230	40.230	40.007	40.230
84.0	37.101	36.729	36.654	36.505	36.729
84.5	33.600	33.227	33.153	33.004	33.153
85.0	30.247	29.726	29.726	29.502	29.651
85.5	26.820	26.373	26.299	26.001	26.150
86.0	23.542	22.946	22.946	22.648	22.723
86.5	20.264	19.743	19.594	19.221	19.296
87.0	17.135	16.465	16.316	15.943	15.943
87.5	14.006	13.336	13.187	12.665	12.665
88.0	10.877	10.281	10.058	9.611	9.685
88.5	7.972	7.450	7.376	7.301	7.525
89.0	4.992	5.141	5.513	5.588	5.811
89.5	2.459	3.502	3.874	3.949	4.172
90.0	0.969	2.012	2.459	2.384	2.533
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-14-LS-8CS-BP1416W-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-BP1416W-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-BP1416W-DIM-UNV_25W_3500K_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	417.02	N.A.	15.70
0-30	856.86	N.A.	32.30
0-40	1356.72	N.A.	51.10
0-60	2242.27	N.A.	84.50
0-80	2619.46	N.A.	98.70
0-90	2652.9	N.A.	100.00
10-90	2541.8	N.A.	95.80
20-40	939.70	N.A.	35.40
20-50	1422.9	N.A.	53.60
40-70	1147.7	N.A.	43.30
60-80	377.19	N.A.	14.20
70-80	115.04	N.A.	4.30
80-90	33.44	N.A.	1.30
90-110	0.06	N.A.	0.00
90-120	0.06	N.A.	0.00
90-130	0.06	N.A.	0.00
90-150	0.06	N.A.	0.00
90-180	0.06	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2652.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	111.10
10-20	305.91
20-30	439.85
30-40	499.85
40-50	483.20
50-60	402.35
60-70	262.15
70-80	115.04
80-90	33.44
90-100	0.06
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-BP1416W-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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	54
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	49	44	39	37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	34
9	59	46	38	33	58	45	38	33	44	37	32	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	29	28

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BP-14-LS-8CS-BP1416W-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

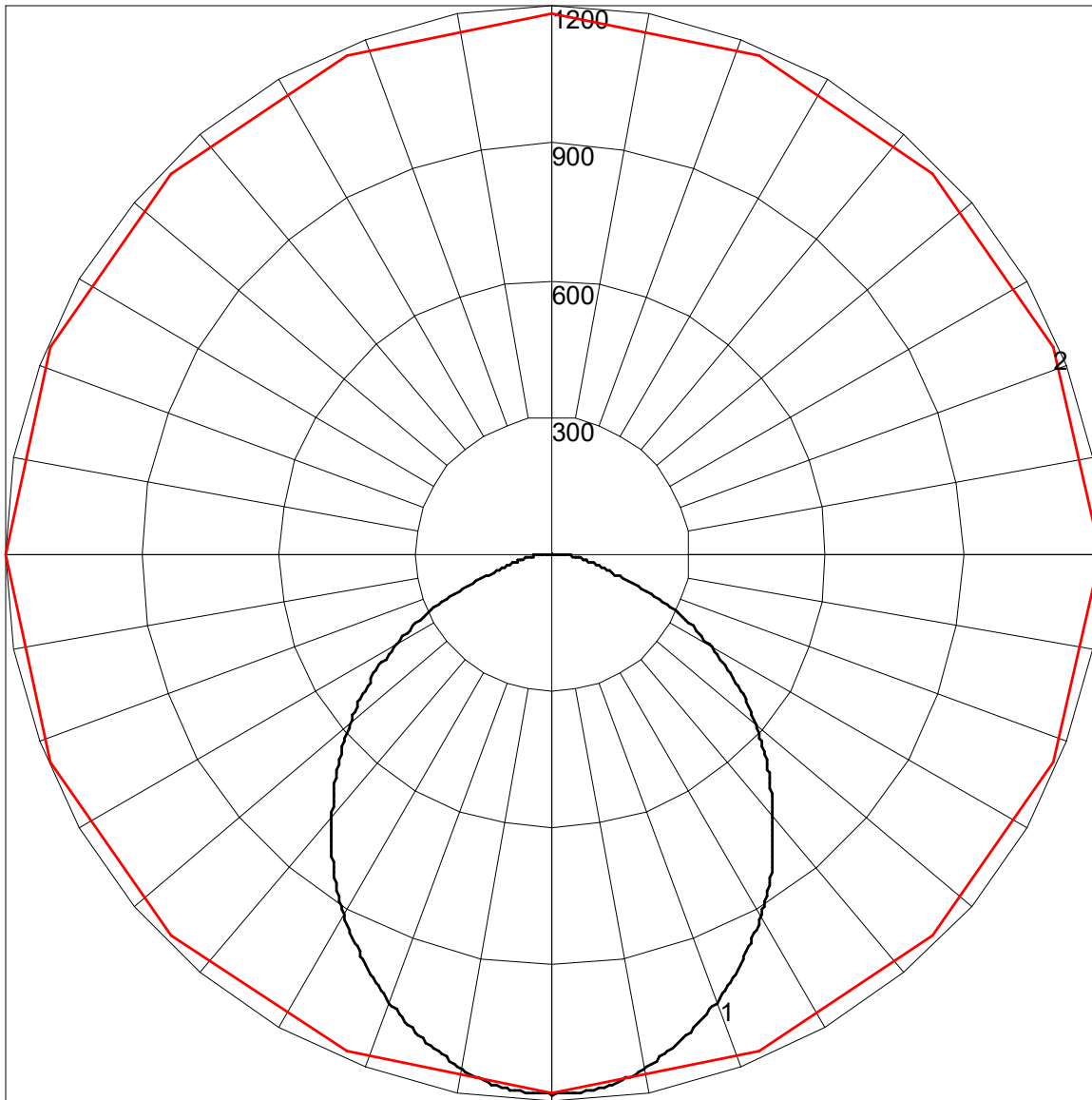
X=2H	Y=2H	15.2	16.8	15.6	17.1	17.4	15.5	17.0	15.8	17.3	17.6
	3H	16.2	17.6	16.6	17.9	18.3	16.8	18.2	17.2	18.5	18.9
	4H	16.6	17.9	17.0	18.2	18.6	17.1	18.4	17.5	18.8	19.2
	6H	16.8	18.1	17.3	18.4	18.8	17.4	18.6	17.8	18.9	19.3
	8H	17.0	18.1	17.4	18.5	18.9	17.5	18.6	17.9	19.0	19.4
	12H	17.0	18.1	17.5	18.5	18.9	17.5	18.6	17.9	19.0	19.4

UGR Viewed Endwise

4H	2H	15.7	17.0	16.1	17.3	17.7	15.9	17.2	16.3	17.5	17.9
	3H	16.9	17.9	17.3	18.3	18.7	17.4	18.5	17.8	18.9	19.3
	4H	17.3	18.3	17.7	18.7	19.1	17.8	18.8	18.2	19.2	19.6
	6H	17.7	18.6	18.2	19.0	19.5	18.2	19.0	18.6	19.4	19.9
	8H	17.9	18.6	18.3	19.1	19.6	18.3	19.1	18.7	19.5	20.0
	12H	18.0	18.7	18.5	19.2	19.6	18.4	19.1	18.9	19.6	20.0
8H	4H	17.5	18.3	18.0	18.7	19.2	17.9	18.7	18.4	19.2	19.6
	6H	18.0	18.7	18.5	19.1	19.6	18.4	19.0	18.9	19.5	20.0
	8H	18.2	18.8	18.7	19.3	19.8	18.6	19.2	19.1	19.7	20.2
	12H	18.4	18.9	18.9	19.4	20.0	18.7	19.3	19.2	19.7	20.3
12H	4H	17.5	18.2	18.0	18.7	19.2	17.9	18.7	18.4	19.1	19.6
	6H	18.0	18.6	18.6	19.1	19.6	18.4	19.0	18.9	19.5	20.0
	8H	18.3	18.8	18.8	19.3	19.9	18.6	19.2	19.1	19.7	20.2

Maximum UGR = 20.3

POLAR GRAPH



Maximum Candela = 1200.195 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.)