



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 2DS-L15-935-DIM-UNV-LW-OF-WH_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 13257153.14
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 3/24/2021
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] 2DS-L15-935-DIM-UNV-LW-OF-WH
[LUMINAIRE] Aluminum housing, optics, and trim enclosure
[LAMP] One white LED
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor, Downlight
[SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1313
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	17.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.86
Spacing Criterion (Diagonal)	0.84
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.21 ft
Luminous Width (90-270)	0.21 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	31448	38712	31995
55	25443	27540	25870
65	22233	22571	22474
75	17483	17168	18113
85	10524	9121	11225

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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	1518.640	1518.640	1518.640	1518.640	1518.640
0.5	1549.800	1526.020	1512.900	1507.980	1507.160
1.0	1548.980	1526.020	1512.900	1507.980	1507.160
1.5	1548.160	1525.200	1512.900	1507.980	1506.340
2.0	1547.340	1524.380	1512.080	1507.160	1506.340
2.5	1545.700	1523.560	1510.440	1506.340	1504.700
3.0	1544.880	1521.100	1508.800	1504.700	1503.880
3.5	1542.420	1519.460	1506.340	1502.240	1501.420
4.0	1539.140	1517.000	1504.700	1500.600	1498.960
4.5	1535.860	1514.540	1501.420	1497.320	1496.500
5.0	1532.580	1510.440	1498.140	1494.040	1492.400
5.5	1528.480	1507.160	1494.860	1489.940	1489.940
6.0	1524.380	1503.060	1490.760	1485.840	1486.660
6.5	1519.460	1498.140	1485.840	1482.560	1483.380
7.0	1515.360	1493.220	1481.740	1478.460	1479.280
7.5	1510.440	1488.300	1477.640	1474.360	1476.000
8.0	1505.520	1483.380	1473.540	1470.260	1471.080
8.5	1500.600	1478.460	1468.620	1465.340	1466.160
9.0	1494.040	1472.720	1463.700	1460.420	1461.240
9.5	1489.120	1466.980	1457.960	1455.500	1455.500
10.0	1481.740	1460.420	1452.220	1449.760	1448.940
10.5	1475.180	1453.860	1445.660	1443.200	1442.380
11.0	1467.800	1446.480	1439.100	1436.640	1435.000
11.5	1458.780	1439.100	1431.720	1430.080	1428.440
12.0	1450.580	1430.900	1424.340	1421.880	1420.240
12.5	1441.560	1422.700	1416.140	1414.500	1412.040
13.0	1431.720	1413.680	1407.940	1406.300	1402.200
13.5	1421.880	1403.840	1398.920	1396.460	1393.180
14.0	1410.400	1392.360	1389.080	1386.620	1382.520
14.5	1398.920	1381.700	1378.420	1375.140	1370.220
15.0	1385.800	1369.400	1366.940	1363.660	1358.740
15.5	1372.680	1357.100	1354.640	1351.360	1345.620
16.0	1358.740	1343.160	1340.700	1337.420	1331.680
16.5	1343.160	1329.220	1326.760	1323.480	1316.100
17.0	1327.580	1313.640	1312.820	1308.720	1300.520
17.5	1311.180	1298.060	1297.240	1292.320	1283.300
18.0	1293.140	1280.840	1281.660	1275.920	1264.440
18.5	1273.460	1262.800	1264.440	1257.880	1244.760
19.0	1252.960	1243.940	1247.220	1239.020	1223.440
19.5	1230.000	1224.260	1229.180	1218.520	1200.480
20.0	1206.220	1202.940	1209.500	1198.020	1175.880
20.5	1180.800	1180.800	1189.000	1175.060	1149.640
21.0	1152.100	1157.020	1167.680	1150.460	1121.760
21.5	1122.580	1130.780	1145.540	1125.040	1092.240
22.0	1091.420	1103.720	1122.580	1097.980	1061.080
22.5	1057.800	1075.840	1097.980	1070.100	1029.100
23.0	1023.360	1045.500	1073.380	1040.580	995.480
23.5	987.280	1014.340	1047.140	1010.240	960.220
24.0	949.560	981.540	1020.900	978.260	924.960
24.5	911.840	948.740	993.020	945.460	888.060
25.0	873.300	913.480	964.320	911.020	851.160
25.5	833.940	878.220	933.980	875.760	813.358
26.0	793.350	841.320	903.640	839.680	775.392
26.5	752.186	804.666	871.660	803.600	736.688

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CANDELA TABULATION - (Cont.)

27.0	710.940	767.192	839.680	767.274	698.312
27.5	670.186	729.472	806.880	730.374	662.068
28.0	631.400	691.916	773.506	693.638	623.856
28.5	591.548	654.688	739.558	658.296	586.546
29.0	554.320	618.362	705.692	623.118	551.532
29.5	516.272	582.446	671.662	588.186	515.944
30.0	479.700	547.432	638.206	554.156	481.750
30.5	444.850	512.746	605.898	521.028	448.786
31.0	411.968	479.126	572.606	488.392	417.298
31.5	380.644	446.900	540.298	456.986	387.860
32.0	351.862	416.396	508.646	427.138	359.898
32.5	325.376	387.614	477.978	398.848	334.068
33.0	300.366	360.390	448.540	372.116	310.206
33.5	277.488	334.888	420.004	346.860	287.738
34.0	257.070	311.108	393.108	323.408	267.402
34.5	237.964	288.968	367.524	301.350	248.460
35.0	220.826	268.714	343.580	280.932	231.486
35.5	205.574	250.100	321.112	262.072	215.988
36.0	191.716	233.044	299.874	244.770	201.966
36.5	179.334	217.628	280.194	228.698	189.256
37.0	168.346	203.442	261.908	213.938	177.776
37.5	158.424	190.568	244.852	200.408	167.362
38.0	149.650	178.924	229.026	188.272	158.014
38.5	141.778	168.510	214.594	177.120	149.568
39.0	134.890	158.998	201.310	167.116	142.024
39.5	128.576	150.552	189.256	158.014	135.218
40.0	123.082	142.844	178.186	149.814	129.068
40.5	118.162	135.874	168.018	142.434	123.492
41.0	113.570	129.724	158.916	135.792	118.326
41.5	109.552	124.148	150.634	129.888	113.734
42.0	105.862	119.228	143.090	124.476	109.552
42.5	102.582	114.718	136.120	119.474	105.780
43.0	99.466	110.618	129.970	115.046	102.254
43.5	96.678	107.010	124.230	110.864	99.056
44.0	94.136	103.648	119.064	107.092	96.022
44.5	91.758	100.614	114.390	103.648	93.480
45.0	89.462	97.744	110.126	100.450	91.020
45.5	87.330	95.202	106.190	97.498	88.560
46.0	85.280	92.660	102.582	94.710	86.346
46.5	83.312	90.282	99.138	92.086	84.214
47.0	81.426	87.986	96.022	89.708	82.246
47.5	79.540	85.854	93.070	87.330	80.360
48.0	77.818	83.804	90.446	85.116	78.638
48.5	76.178	81.918	87.822	83.066	76.834
49.0	74.538	80.032	85.444	81.016	75.194
49.5	72.898	78.228	83.066	79.130	73.554
50.0	71.422	76.506	80.934	77.326	72.160
50.5	69.946	74.866	78.802	75.686	70.766
51.0	68.552	73.226	76.834	74.046	69.454
51.5	67.240	71.668	74.948	72.488	68.142
52.0	65.846	70.192	73.062	71.012	66.748
52.5	64.534	68.716	71.340	69.618	65.518
53.0	63.304	67.404	69.700	68.224	64.288
53.5	62.074	65.928	68.060	66.830	63.140
54.0	60.926	64.698	66.502	65.518	61.992
54.5	59.778	63.304	64.944	64.288	60.762

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CANDELA TABULATION - (Cont.)

55.0	58.712	62.074	63.550	62.976	59.696
55.5	57.564	60.762	62.074	61.746	58.630
56.0	56.498	59.532	60.680	60.516	57.564
56.5	55.514	58.384	59.286	59.204	56.580
57.0	54.530	57.236	57.892	58.056	55.432
57.5	53.546	56.088	56.580	56.826	54.448
58.0	52.562	54.940	55.350	55.678	53.464
58.5	51.578	53.710	54.038	54.530	52.398
59.0	50.676	52.562	52.726	53.382	51.414
59.5	49.774	51.496	51.496	52.152	50.266
60.0	48.708	50.348	50.266	51.004	49.200
60.5	47.724	49.282	49.118	49.856	48.134
61.0	46.740	48.216	47.888	48.708	46.986
61.5	45.674	47.068	46.658	47.478	45.838
62.0	44.608	46.002	45.510	46.330	44.772
62.5	43.460	44.936	44.280	45.100	43.624
63.0	42.312	43.788	43.132	43.952	42.558
63.5	41.164	42.640	41.984	42.722	41.410
64.0	40.016	41.492	40.754	41.574	40.344
64.5	38.868	40.426	39.606	40.426	39.278
65.0	37.802	39.196	38.376	39.278	38.212
65.5	36.654	38.048	37.228	38.212	37.228
66.0	35.670	36.982	36.080	37.064	36.244
66.5	34.604	35.834	34.932	35.998	35.178
67.0	33.620	34.686	33.866	34.932	34.194
67.5	32.636	33.538	32.718	33.784	33.128
68.0	31.570	32.472	31.652	32.718	32.144
68.5	30.586	31.406	30.586	31.734	31.160
69.0	29.602	30.340	29.520	30.668	30.176
69.5	28.618	29.274	28.536	29.602	29.192
70.0	27.634	28.208	27.470	28.536	28.208
70.5	26.650	27.142	26.486	27.470	27.224
71.0	25.666	26.158	25.420	26.486	26.240
71.5	24.682	25.092	24.436	25.420	25.338
72.0	23.698	24.108	23.534	24.436	24.354
72.5	22.796	23.124	22.550	23.452	23.452
73.0	21.812	22.222	21.566	22.468	22.468
73.5	20.910	21.238	20.664	21.484	21.566
74.0	20.008	20.254	19.680	20.500	20.664
74.5	19.106	19.352	18.778	19.598	19.762
75.0	18.204	18.450	17.876	18.696	18.860
75.5	17.302	17.548	16.974	17.794	18.040
76.0	16.482	16.646	16.154	16.892	17.138
76.5	15.662	15.826	15.334	15.990	16.318
77.0	14.842	14.924	14.432	15.170	15.498
77.5	14.022	14.104	13.612	14.268	14.596
78.0	13.202	13.284	12.792	13.448	13.776
78.5	12.464	12.464	12.054	12.628	13.038
79.0	11.644	11.644	11.234	11.808	12.218
79.5	10.906	10.906	10.496	11.070	11.480
80.0	10.168	10.168	9.758	10.250	10.660
80.5	9.430	9.348	9.020	9.512	9.922
81.0	8.774	8.692	8.282	8.774	9.184
81.5	8.036	7.954	7.544	8.036	8.528
82.0	7.380	7.216	6.888	7.380	7.790
82.5	6.724	6.560	6.232	6.642	7.134

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CANDELA TABULATION - (Cont.)

83.0	6.068	5.904	5.576	5.986	6.478
83.5	5.412	5.248	4.920	5.330	5.822
84.0	4.838	4.674	4.346	4.756	5.166
84.5	4.264	4.100	3.772	4.100	4.592
85.0	3.690	3.444	3.198	3.526	3.936
85.5	3.116	2.870	2.624	2.870	3.362
86.0	2.542	2.378	2.132	2.296	2.706
86.5	1.886	1.804	1.558	1.722	1.968
87.0	0.984	1.148	1.066	1.066	1.066
87.5	0.574	0.738	0.738	0.574	0.574
88.0	0.410	0.492	0.492	0.410	0.410
88.5	0.328	0.328	0.328	0.328	0.328
89.0	0.246	0.246	0.246	0.246	0.246
89.5	0.082	0.164	0.164	0.164	0.164
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

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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 : 2DS-L15-935-DIM-UNV-LW-OF-WH_.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 : 2DS-L15-935-DIM-UNV-LW-OF-WH_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	522.22	N.A.	39.80
0-30	929.29	N.A.	70.80
0-40	1115.59	N.A.	84.90
0-60	1251.00	N.A.	95.30
0-80	1309.07	N.A.	99.70
0-90	1313.33	N.A.	100.00
10-90	1171.29	N.A.	89.20
20-40	593.37	N.A.	45.20
20-50	673.02	N.A.	51.20
40-70	173.85	N.A.	13.20
60-80	58.07	N.A.	4.40
70-80	19.63	N.A.	1.50
80-90	4.26	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	1313.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	142.04
10-20	380.18
20-30	407.07
30-40	186.30
40-50	79.65
50-60	55.76
60-70	38.44
70-80	19.63
80-90	4.26
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 : 2DS-L15-935-DIM-UNV-LW-OF-WH_.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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85
3	101	94	89	84	99	93	88	84	90	86	82	87	84	81	85	82	80	78
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67
6	86	77	70	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63
7	82	72	66	62	80	72	66	61	70	65	61	69	64	61	68	64	60	59
8	78	68	62	58	77	68	62	58	66	61	57	65	61	57	64	60	57	55
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 2DS-L15-935-DIM-UNV-LW-OF-WH_.IES

UGR TABLE - CORRECTED

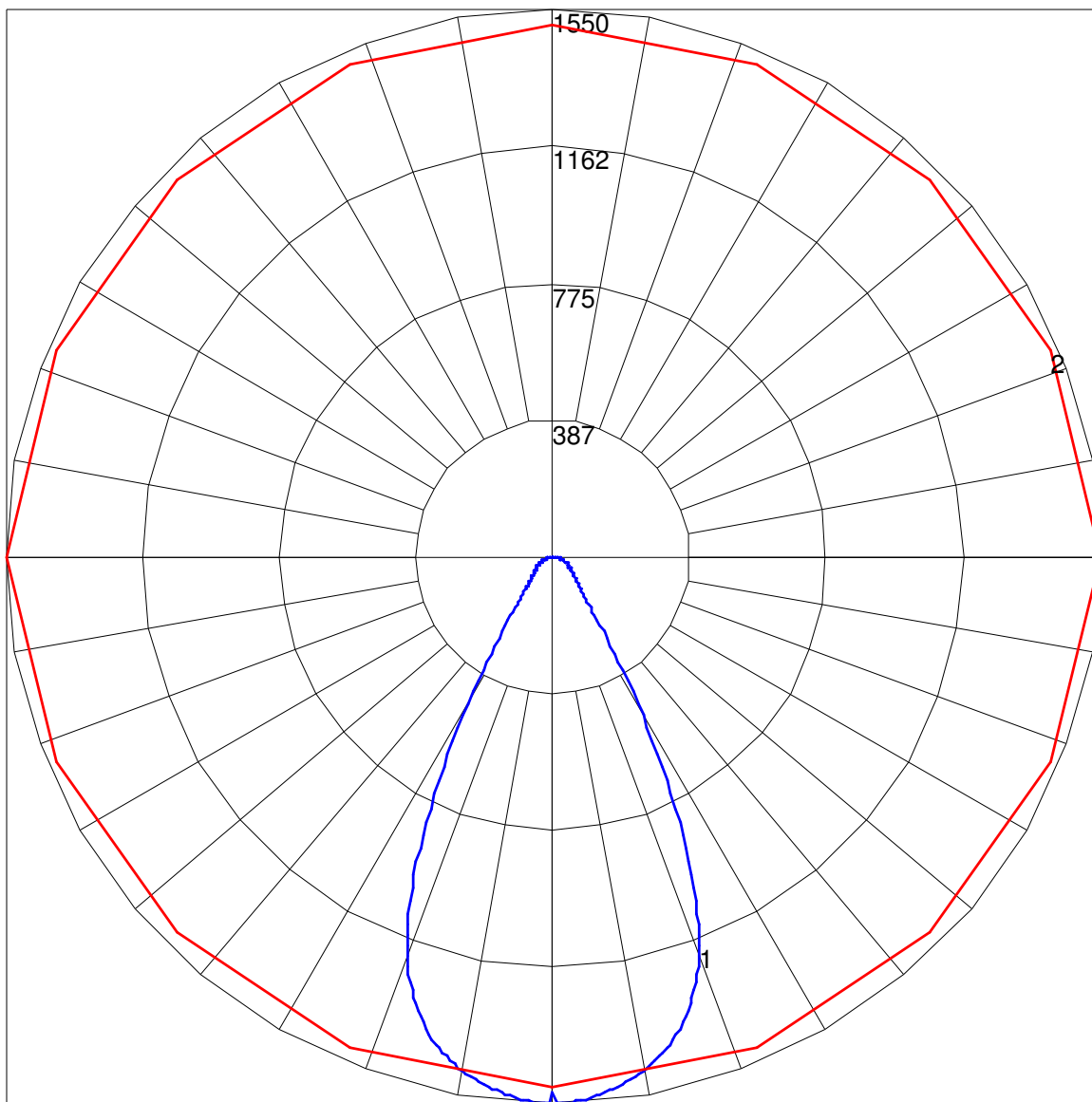
Reflectances

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	19.4	20.5	19.8	20.8	21.2	19.5	20.6	19.9	20.9	21.3
	3H	20.9	21.9	21.3	22.2	22.6	21.0	22.0	21.4	22.3	22.7
	4H	21.4	22.3	21.8	22.6	23.0	21.5	22.4	21.9	22.7	23.1
	6H	21.7	22.5	22.1	22.9	23.3	21.8	22.6	22.2	23.0	23.4
	8H	21.7	22.5	22.2	22.9	23.3	21.9	22.7	22.3	23.0	23.5
	12H	21.8	22.5	22.2	22.9	23.3	21.9	22.6	22.3	23.0	23.5
4H	2H	19.9	20.8	20.3	21.1	21.5	20.0	20.9	20.4	21.2	21.6
	3H	21.5	22.3	22.0	22.7	23.1	21.6	22.4	22.0	22.8	23.2
	4H	22.1	22.8	22.6	23.2	23.6	22.2	22.9	22.7	23.3	23.7
	6H	22.5	23.1	23.0	23.5	24.0	22.6	23.2	23.1	23.6	24.1
	8H	22.6	23.1	23.1	23.6	24.1	22.7	23.3	23.2	23.7	24.2
	12H	22.7	23.1	23.1	23.6	24.1	22.8	23.2	23.3	23.7	24.2
8H	4H	22.3	22.8	22.7	23.2	23.7	22.4	22.9	22.8	23.3	23.8
	6H	22.8	23.2	23.3	23.7	24.2	22.9	23.3	23.4	23.8	24.3
	8H	22.9	23.3	23.5	23.8	24.3	23.0	23.4	23.6	23.9	24.4
	12H	23.0	23.3	23.5	23.8	24.4	23.1	23.4	23.6	23.9	24.5
12H	4H	22.2	22.7	22.7	23.2	23.7	22.3	22.8	22.8	23.3	23.8
	6H	22.8	23.1	23.3	23.6	24.2	22.9	23.2	23.4	23.7	24.3
	8H	23.0	23.3	23.5	23.8	24.4	23.1	23.4	23.6	23.9	24.5

Maximum UGR = 24.5

POLAR GRAPH



Maximum Candela = 1549.8 Located At Horizontal Angle = 0, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)