

IES REPORT

Wedge | Slope | 707

Slope | Diffuse, White | 80 CRI | High Output

707-WE-SL-4-48-XX-XX-XX-XX-X-X-Z-HO-XX-R6-X-WH-X

Reporting by Color Temperature	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	136	141	144	144
Total Lumens, 4' rail length (1219mm)	5377	5547	5660	5660
Lumens per foot (305mm)	1344	1387	1415	1415
Input Power (W), 4' rail length (1219mm)	39.6	39.6	39.6	39.6
Watts per foot (305mm)	9.9	9.9	9.9	9.9
CRI	83	83	83	83

Due to the large number of options in Vode's product offering, most Vode IES reports are factored reports prepared from source reports. Source reports are the IES test reports prepared for Vode by an NVLAP accredited photometric test laboratory. Factored reports are based on data from the Vode source reports.

If the data above is in black, it is directly from a Vode source report. If it is in grey, it is factored from Vode source reports. Reference details on Vode source reports can be found on the IES File Finder page on vode.com.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_WE_R6_HO_358_WH-AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L042412202 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB
[ISSUE DATE] 5/30/2024
[MANUFAC] Vode Lighting LLC
[LUMCAT] 707-WE-48-35-80-R6-WH_HO
[LUMINAIRE] System 707, Wedge, 48", Surface Mount, 35K, 80 CRI
[MORE] Wedge, Hight Output, White
[TEST PROCEDURE] IESNA:LM-79-19

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5659
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	39.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.64
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.27 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	25257	22501	15759
55	28069	24573	16030
65	32724	27979	15668
75	43200	33917	14254
85	93557	65338	13241

CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4
5	1833.5	1835.4	1839.2	1841.1	1843.0	1835.4	1827.8	1824.0	1820.2	1812.6
10	1884.8	1888.6	1892.4	1892.4	1892.4	1882.9	1871.5	1862.0	1854.4	1843.0
15	1922.8	1926.6	1928.5	1926.6	1924.7	1913.3	1898.1	1884.8	1873.4	1856.3
20	1945.6	1947.5	1947.5	1945.6	1941.8	1928.5	1909.5	1890.5	1875.3	1856.3
25	1951.3	1951.3	1951.3	1945.6	1939.9	1924.7	1903.8	1881.0	1858.2	1835.4
30	1936.1	1936.1	1936.1	1928.5	1919.0	1903.8	1879.1	1852.5	1827.8	1799.3
35	1907.6	1903.8	1903.8	1896.2	1884.8	1867.7	1841.1	1808.8	1780.3	1748.0
40	1860.1	1856.3	1852.5	1844.9	1829.7	1812.6	1786.0	1749.9	1711.9	1679.6
45	1793.6	1791.7	1787.9	1778.4	1759.4	1738.5	1711.9	1675.8	1635.9	1597.9
50	1711.9	1711.9	1708.1	1696.7	1675.8	1654.9	1626.4	1590.3	1546.6	1504.8
55	1616.9	1615.0	1611.2	1597.9	1578.9	1554.2	1525.7	1485.8	1449.7	1415.5
60	1508.6	1508.6	1502.9	1489.6	1466.8	1440.2	1407.9	1373.7	1343.3	1309.1
65	1388.9	1387.0	1381.3	1368.0	1347.1	1318.6	1286.3	1255.9	1223.6	1187.5
70	1261.6	1255.9	1250.2	1235.0	1212.2	1185.6	1149.5	1107.7	1079.2	1043.1
75	1122.9	1117.2	1109.6	1096.3	1071.6	1041.2	1005.1	965.2	923.4	881.6
80	974.7	969.0	959.5	944.3	921.5	893.0	858.8	817.0	767.6	720.1
85	818.9	815.1	805.6	790.4	767.6	737.2	703.0	663.1	619.4	571.9
90	661.2	657.4	647.9	634.6	613.7	583.3	551.0	511.1	469.3	423.7
95	507.3	505.4	497.8	482.6	463.6	437.0	404.7	372.4	332.5	288.8
100	357.2	355.3	349.6	334.4	315.4	288.8	262.2	229.9	195.7	165.3
105	212.8	214.7	205.2	193.8	178.6	159.6	131.1	102.6	77.9	55.1
110	83.6	85.5	77.9	66.5	53.2	36.1	19.0	17.1	26.6	38.0
115	11.4	11.4	11.4	11.4	11.4	11.4	13.3	20.9	28.5	38.0
120	9.5	9.5	9.5	9.5	9.5	9.5	11.4	17.1	24.7	34.2
125	9.5	9.5	9.5	9.5	9.5	9.5	9.5	11.4	17.1	24.7
130	9.5	9.5	9.5	9.5	9.5	9.5	9.5	11.4	13.3	17.1
135	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
140	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Vert. Angles Horizontal Angles

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4
5	1806.9	1795.5	1780.3	1763.2	1755.6	1751.8	1744.2	1736.6	1725.2	1715.7
10	1831.6	1814.5	1793.6	1770.8	1755.6	1742.3	1729.0	1713.8	1696.7	1681.5
15	1841.1	1818.3	1791.7	1763.2	1740.4	1723.3	1700.5	1677.7	1651.1	1628.3
20	1833.5	1805.0	1770.8	1734.7	1706.2	1683.4	1656.8	1626.4	1594.1	1565.6
25	1806.9	1774.6	1738.5	1698.6	1658.7	1626.4	1594.1	1559.9	1521.9	1485.8
30	1767.0	1729.0	1689.1	1643.5	1599.8	1563.7	1521.9	1482.0	1438.3	1396.5
35	1711.9	1672.0	1624.5	1575.1	1525.7	1480.1	1436.4	1388.9	1341.4	1292.0
40	1639.7	1596.0	1546.6	1495.3	1438.3	1385.1	1337.6	1286.3	1233.1	1178.0
45	1556.1	1504.8	1459.2	1407.9	1350.9	1290.1	1238.8	1181.8	1119.1	1060.2
50	1466.8	1425.0	1379.4	1328.1	1271.1	1206.5	1153.3	1094.4	1026.0	959.5
55	1377.5	1335.7	1284.4	1233.1	1176.1	1107.7	1050.7	989.9	923.4	849.3
60	1269.2	1221.7	1174.2	1121.0	1062.1	993.7	929.1	868.3	805.6	729.6

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_WE_R6_HO_358_WH-AL.IES

CANDELA TABULATION - (Cont.)

65	1147.6	1102.0	1048.8	995.6	936.7	860.7	792.3	729.6	665.0	596.6
70	1001.3	951.9	900.6	845.5	788.5	723.9	651.7	587.1	518.7	454.1
75	839.8	788.5	733.4	678.3	619.4	556.7	492.1	431.3	370.5	305.9
80	676.4	628.9	579.5	524.4	463.6	400.9	342.0	285.0	229.9	176.7
85	522.5	475.0	425.6	378.1	326.8	273.6	218.5	169.1	115.9	68.4
90	380.0	338.2	290.7	245.1	195.7	152.0	106.4	64.6	55.1	51.3
95	247.0	210.9	172.9	133.0	95.0	60.8	57.0	57.0	57.0	53.2
100	131.1	100.7	68.4	51.3	57.0	60.8	62.7	64.6	62.7	60.8
105	39.9	43.7	51.3	60.8	66.5	70.3	72.2	74.1	72.2	70.3
110	47.5	57.0	64.6	72.2	77.9	81.7	85.5	85.5	85.5	83.6
115	47.5	57.0	62.7	70.3	76.0	79.8	81.7	81.7	79.8	77.9
120	41.8	49.4	57.0	62.7	68.4	70.3	72.2	74.1	72.2	68.4
125	34.2	41.8	47.5	53.2	57.0	60.8	62.7	62.7	60.8	58.9
130	24.7	30.4	34.2	39.9	43.7	45.6	45.6	45.6	43.7	39.9
135	15.2	20.9	24.7	26.6	22.8	17.1	13.3	11.4	11.4	11.4
140	11.4	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Vert. Angles **Horizontal Angles**

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4
5	1704.3	1692.9	1677.7	1670.1	1668.2	1666.3	1662.5	1658.7	1651.1	1639.7
10	1660.6	1641.6	1622.6	1607.4	1599.8	1590.3	1580.8	1571.3	1558.0	1542.8
15	1603.6	1578.9	1554.2	1531.4	1518.1	1501.0	1485.8	1470.6	1453.5	1436.4
20	1533.3	1501.0	1468.7	1444.0	1423.1	1402.2	1381.3	1362.3	1339.5	1316.7
25	1449.7	1407.9	1371.8	1343.3	1316.7	1290.1	1263.5	1236.9	1212.2	1187.5
30	1352.8	1311.0	1269.2	1231.2	1200.8	1166.6	1136.2	1105.8	1075.4	1048.8
35	1244.5	1195.1	1149.5	1109.6	1073.5	1037.4	1001.3	965.2	936.7	904.4
40	1126.7	1073.5	1027.9	984.2	942.4	902.5	856.9	818.9	784.7	754.3
45	1005.1	948.1	891.1	843.6	799.9	756.2	712.5	672.6	636.5	600.4
50	891.1	824.6	760.0	704.9	655.5	606.1	560.5	520.6	488.3	456.0
55	780.9	714.4	649.8	583.3	516.8	463.6	416.1	376.2	342.0	307.8
60	659.3	594.7	526.3	459.8	393.3	332.5	279.3	241.3	207.1	178.6
65	530.1	467.4	399.0	336.3	273.6	212.8	155.8	117.8	85.5	58.9
70	393.3	334.4	273.6	209.0	152.0	95.0	45.6	17.1	15.2	15.2
75	248.9	191.9	133.0	79.8	36.1	19.0	15.2	15.2	15.2	15.2
80	125.4	70.3	43.7	32.3	22.8	15.2	15.2	17.1	17.1	17.1
85	51.3	43.7	36.1	24.7	17.1	15.2	15.2	17.1	17.1	17.1
90	47.5	39.9	32.3	24.7	17.1	15.2	17.1	17.1	17.1	17.1
95	49.4	43.7	36.1	28.5	19.0	15.2	15.2	17.1	17.1	17.1
100	57.0	51.3	43.7	34.2	24.7	17.1	15.2	17.1	17.1	17.1
105	64.6	58.9	51.3	43.7	34.2	22.8	15.2	15.2	15.2	17.1
110	77.9	72.2	64.6	57.0	47.5	36.1	24.7	15.2	15.2	15.2
115	72.2	66.5	58.9	51.3	39.9	28.5	19.0	13.3	13.3	13.3
120	62.7	57.0	49.4	39.9	30.4	20.9	13.3	11.4	13.3	13.3
125	53.2	47.5	38.0	28.5	17.1	11.4	11.4	11.4	11.4	11.4
130	34.2	26.6	19.0	11.4	11.4	11.4	11.4	11.4	11.4	11.4
135	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_WE_R6_HO_358_WH-AL.IES

CANDELA TABULATION - (Cont.)

140	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Vert. Horizontal Angles

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4
5	1630.2	1626.4	1622.6	1618.8	1613.1	1605.5	1603.6
10	1533.3	1525.7	1518.1	1512.4	1504.8	1497.2	1493.4
15	1421.2	1411.7	1400.3	1392.7	1385.1	1377.5	1373.7
20	1297.7	1286.3	1274.9	1263.5	1254.0	1246.4	1242.6
25	1166.6	1151.4	1138.1	1122.9	1113.4	1107.7	1102.0
30	1026.0	1008.9	989.9	976.6	967.1	959.5	955.7
35	879.7	858.8	841.7	826.5	815.1	807.5	801.8
40	727.7	706.8	687.8	670.7	659.3	651.7	646.0
45	575.7	551.0	532.0	516.8	505.4	497.8	492.1
50	427.5	402.8	381.9	364.8	353.4	345.8	343.9
55	281.2	258.4	239.4	224.2	212.8	207.1	205.2
60	150.1	129.2	110.2	96.9	87.4	81.7	77.9
65	36.1	19.0	13.3	11.4	11.4	11.4	11.4
70	15.2	13.3	13.3	13.3	13.3	13.3	13.3
75	15.2	15.2	15.2	15.2	15.2	15.2	15.2
80	17.1	17.1	17.1	17.1	17.1	17.1	17.1
85	17.1	17.1	17.1	17.1	17.1	17.1	19.0
90	17.1	17.1	17.1	19.0	19.0	19.0	19.0
95	17.1	17.1	19.0	19.0	19.0	19.0	19.0
100	17.1	17.1	17.1	19.0	19.0	19.0	19.0
105	17.1	17.1	17.1	17.1	17.1	17.1	17.1
110	15.2	15.2	15.2	15.2	17.1	17.1	15.2
115	13.3	15.2	15.2	15.2	15.2	15.2	15.2
120	13.3	13.3	13.3	13.3	13.3	13.3	13.3
125	11.4	11.4	11.4	11.4	13.3	13.3	13.3
130	11.4	11.4	11.4	11.4	11.4	11.4	11.4
135	11.4	11.4	11.4	11.4	11.4	11.4	11.4
140	13.3	13.3	13.3	13.3	13.3	13.3	13.3
145	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	631.49	N.A.	11.20
0-30	1336.39	N.A.	23.60
0-40	2182.25	N.A.	38.60
0-60	3869.87	N.A.	68.40
0-80	5021.39	N.A.	88.70
0-90	5333.72	N.A.	94.20
10-90	5169.7	N.A.	91.40
20-40	1550.76	N.A.	27.40
20-50	2427.39	N.A.	42.90
40-70	2352.98	N.A.	41.60
60-80	1151.52	N.A.	20.30
70-80	486.16	N.A.	8.60
80-90	312.34	N.A.	5.50
90-110	248.83	N.A.	4.40
90-120	287.56	N.A.	5.10
90-130	311.66	N.A.	5.50
90-150	325.49	N.A.	5.80
90-180	325.49	N.A.	5.80
110-180	76.66	N.A.	1.40
0-180	5659.21	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	164.02
10-20	467.46
20-30	704.91
30-40	845.85
40-50	876.63
50-60	810.99
60-70	665.35
70-80	486.16
80-90	312.34
90-100	171.29
100-110	77.54
110-120	38.73
120-130	24.10
130-140	11.62
140-150	2.21
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_WE_R6_HO_358_WH-AL.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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	106	100	95	91	102	97	93	89	92	88	85	87	84	81	82	80	78	75
2	95	86	79	73	92	84	77	71	79	74	69	75	71	66	71	68	64	61
3	87	76	67	60	84	73	65	59	70	63	57	66	60	55	63	58	54	51
4	79	67	57	50	76	65	56	50	62	54	48	59	52	47	56	50	46	43
5	73	59	50	43	70	58	49	43	55	48	42	53	46	41	50	44	40	37
6	67	53	44	38	65	52	44	37	50	42	36	48	41	36	45	40	35	33
7	62	48	39	33	60	47	39	33	45	38	32	43	37	32	41	35	31	29
8	58	44	35	30	56	43	35	29	41	34	29	40	33	28	38	32	28	26
9	54	40	32	27	52	40	32	26	38	31	26	37	30	25	35	29	25	23
10	51	37	29	24	49	37	29	24	35	28	23	34	28	23	33	27	23	21

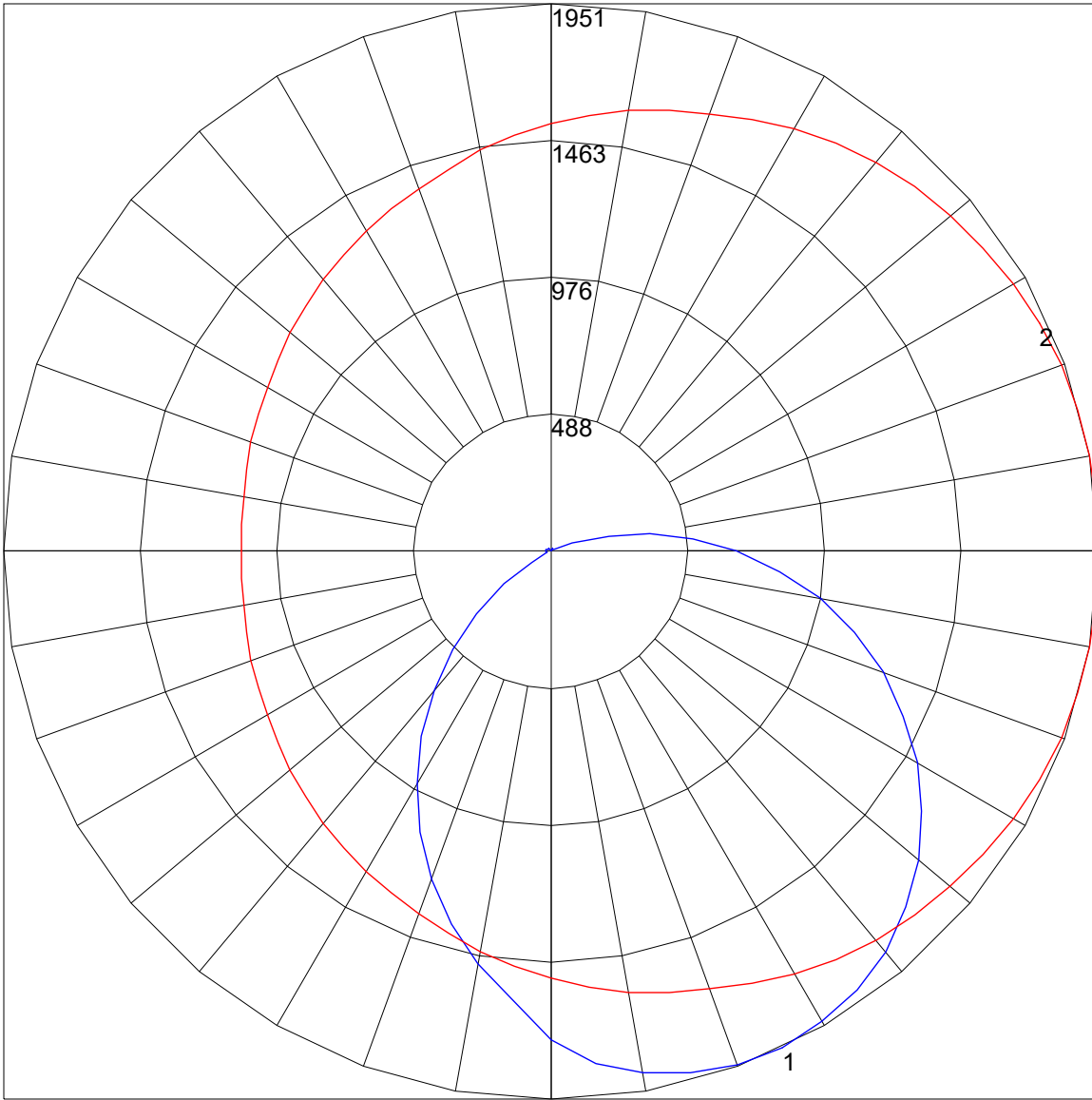
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_WE_R6_HO_358_WH-AL.IES

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	25.2	26.8	25.7	27.2	27.7	21.4	23.0	21.9	23.4	23.9
	3H	28.1	29.5	28.5	29.9	30.4	23.4	24.8	23.9	25.3	25.8
	4H	29.5	30.8	30.0	31.3	31.8	24.1	25.5	24.6	25.9	26.5
	6H	30.9	32.2	31.4	32.7	33.2	24.7	25.9	25.2	26.4	27.0
	8H	31.7	32.9	32.2	33.4	33.9	24.9	26.1	25.4	26.6	27.1
	12H	32.5	33.7	33.1	34.2	34.8	25.0	26.2	25.6	26.7	27.3
4H	2H	25.9	27.2	26.4	27.7	28.2	22.5	23.8	23.0	24.3	24.8
	3H	29.0	30.1	29.5	30.7	31.2	24.7	25.9	25.2	26.4	26.9
	4H	30.6	31.6	31.1	32.2	32.7	25.6	26.7	26.2	27.2	27.8
	6H	32.3	33.2	32.8	33.8	34.3	26.4	27.3	26.9	27.8	28.4
	8H	33.2	34.0	33.7	34.6	35.2	26.6	27.5	27.2	28.1	28.7
	12H	34.2	35.0	34.7	35.5	36.1	26.9	27.7	27.4	28.2	28.8
8H	4H	31.0	31.9	31.6	32.4	33.0	26.5	27.4	27.1	27.9	28.5
	6H	32.9	33.7	33.5	34.3	34.9	27.6	28.3	28.1	28.9	29.5
	8H	34.0	34.7	34.6	35.3	35.9	28.0	28.7	28.6	29.3	29.9
	12H	35.3	35.9	35.9	36.5	37.1	28.4	29.0	29.0	29.6	30.3
12H	4H	31.1	31.9	31.6	32.4	33.0	26.8	27.6	27.4	28.2	28.8
	6H	33.1	33.8	33.7	34.3	35.0	28.0	28.7	28.6	29.2	29.9
	8H	34.3	34.9	34.9	35.5	36.1	28.6	29.2	29.2	29.8	30.5

Maximum UGR = 37.1

POLAR GRAPH



Maximum Candela = 1951.3 Located At Horizontal Angle = 0, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)