

IES REPORT

Wedge | Slope | 707

Slope | Asymmetric, White/Black | 80 CRI | High Output

707-WE-SL-4-48-XX-XX-XX-XX-X-X-Z-HO-XX-RA-X-WH/BL-X

Reporting by Color Temperature	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	144	149	152	152
Total Lumens, 4' rail length (1219mm)	5683	5862	5982	5982
Lumens per foot (305mm)	1421	1466	1495	1495
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	80	80	80	80

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_RA_HO_358_WH-AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L042412201 (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-RA-WH_HO
[LUMINAIRE] Wedge, Slope, Asymmetric, 48", 3500K, 90 CRI, white, high output
[MORE] Wedge, high output, White
[TEST PROCEDURE] IESNA:LM-79-19

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5971
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
Total Luminaire Watts	39.6
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.19 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	88	88	132
55	109	109	163
65	147	147	295
75	241	361	481
85	1072	1072	1786

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	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
5	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
10	15.4	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
15	11.0	11.0	11.0	13.2	11.0	11.0	11.0	13.2	13.2	13.2
20	8.8	8.8	8.8	8.8	11.0	11.0	11.0	11.0	11.0	11.0
25	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
30	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
35	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
40	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
45	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
50	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
55	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
60	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
65	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
70	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
75	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	6.6	6.6
80	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
85	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
90	17.6	17.6	17.6	17.6	17.6	19.8	19.8	19.8	19.8	19.8
95	156.2	156.2	158.4	160.6	160.6	162.8	165.0	169.4	169.4	169.4
100	444.4	446.6	453.2	455.4	464.2	473.0	481.8	490.6	499.4	501.6
105	1012.0	1018.6	1027.4	1042.8	1060.4	1082.4	1102.2	1113.2	1115.4	1097.8
110	1931.6	1942.6	1947.0	1953.6	1953.6	1949.2	1931.6	1896.4	1828.2	1711.6
115	2725.8	2719.2	2710.4	2684.0	2646.6	2591.6	2521.2	2417.8	2250.6	2043.8
120	3220.8	3205.4	3192.2	3161.4	3099.8	3003.0	2846.8	2651.0	2406.8	2171.4
125	3533.2	3476.0	3421.0	3326.4	3163.6	2981.0	2776.4	2567.4	2358.4	2156.0
130	3198.8	3132.8	3077.8	2974.4	2853.4	2710.4	2554.2	2327.6	2127.4	2019.6
135	2692.8	2646.6	2596.0	2514.6	2415.6	2321.0	2217.6	2123.0	2017.4	1916.2
140	2327.6	2296.8	2274.8	2237.4	2191.2	2129.6	2068.0	2002.0	1931.6	1861.2
145	2127.4	2107.6	2094.4	2070.2	2039.4	1999.8	1960.2	1914.0	1861.2	1808.4
150	1993.2	1975.6	1969.0	1949.2	1925.0	1896.4	1870.0	1834.8	1795.2	1751.2
155	1870.0	1861.2	1859.0	1845.8	1828.2	1806.2	1786.4	1746.8	1663.2	1592.8
160	1753.4	1744.6	1740.2	1733.6	1718.2	1685.2	1610.4	1544.4	1482.8	1423.4
165	1608.2	1603.8	1601.6	1588.4	1491.6	1416.8	1366.2	1339.8	1322.2	1282.6
170	1364.0	1364.0	1284.8	1174.8	1111.0	1115.4	1181.4	1223.2	1258.4	1276.0
175	917.4	915.2	928.4	1012.0	1117.6	1174.8	1201.2	1223.2	1236.4	1251.8
180	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8

Vert. Horizontal Angles
 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	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
5	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
10	13.2	13.2	15.4	13.2	13.2	13.2	13.2	13.2	13.2	13.2
15	13.2	13.2	13.2	13.2	13.2	13.2	11.0	11.0	11.0	11.0
20	11.0	11.0	11.0	11.0	11.0	11.0	11.0	8.8	11.0	11.0
25	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
30	6.6	6.6	6.6	6.6	6.6	6.6	6.6	8.8	6.6	8.8
35	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
40	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
45	4.4	4.4	4.4	4.4	6.6	6.6	6.6	6.6	6.6	6.6
50	4.4	4.4	4.4	4.4	4.4	6.6	6.6	6.6	6.6	6.6
55	4.4	4.4	4.4	4.4	4.4	6.6	6.6	6.6	6.6	6.6
60	4.4	4.4	4.4	6.6	6.6	6.6	6.6	6.6	6.6	8.8

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CANDELA TABULATION - (Cont.)

65	4.4	4.4	6.6	6.6	6.6	6.6	6.6	6.6	8.8	8.8
70	6.6	6.6	6.6	6.6	6.6	6.6	6.6	8.8	8.8	8.8
75	6.6	6.6	6.6	6.6	6.6	6.6	8.8	8.8	8.8	11.0
80	6.6	6.6	6.6	6.6	8.8	8.8	8.8	8.8	11.0	11.0
85	6.6	8.8	8.8	8.8	8.8	8.8	8.8	11.0	11.0	11.0
90	22.0	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	17.6
95	165.0	158.4	147.4	136.4	127.6	116.6	105.6	90.2	77.0	63.8
100	492.8	468.6	433.4	396.0	354.2	312.4	277.2	231.0	187.0	143.0
105	1051.6	954.8	842.6	730.4	635.8	561.0	490.6	400.4	336.6	253.0
110	1546.6	1333.2	1157.2	1016.4	917.4	794.2	682.0	563.2	499.4	393.8
115	1821.6	1612.6	1419.0	1265.0	1122.0	976.8	842.6	715.0	653.4	519.2
120	1951.4	1744.6	1573.0	1416.8	1267.2	1111.0	970.2	849.2	787.6	642.4
125	1977.8	1786.4	1641.2	1513.6	1372.8	1225.4	1084.6	974.6	919.6	765.6
130	1927.2	1808.4	1691.8	1562.0	1441.0	1298.0	1168.2	1075.8	1029.6	873.4
135	1823.8	1733.6	1658.8	1575.2	1469.6	1361.8	1251.8	1166.0	1119.8	954.8
140	1786.4	1702.8	1621.4	1526.8	1434.4	1322.2	1223.2	1188.0	1152.8	1016.4
145	1753.4	1680.8	1603.8	1518.0	1405.8	1254.0	1194.6	1157.2	1126.4	1047.2
150	1680.8	1586.2	1511.4	1412.4	1322.2	1201.2	1177.0	1117.6	1091.2	1049.4
155	1529.0	1458.6	1368.4	1302.4	1203.4	1210.0	1155.0	1071.4	1036.2	1036.2
160	1383.8	1357.4	1282.6	1236.4	1262.8	1234.2	1188.0	1133.0	1102.2	1124.2
165	1256.2	1258.4	1280.4	1289.2	1276.0	1256.2	1234.2	1203.4	1181.4	1196.8
170	1284.8	1284.8	1280.4	1284.8	1280.4	1278.2	1278.2	1265.0	1249.6	1256.2
175	1265.0	1269.4	1273.8	1282.6	1293.6	1300.2	1313.4	1309.0	1302.4	1304.6
180	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8

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	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
5	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
10	13.2	13.2	13.2	13.2	13.2	15.4	15.4	15.4	15.4	15.4
15	11.0	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
20	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
25	8.8	8.8	8.8	8.8	11.0	11.0	11.0	11.0	11.0	11.0
30	8.8	8.8	8.8	8.8	8.8	8.8	11.0	11.0	11.0	11.0
35	6.6	8.8	8.8	8.8	8.8	8.8	11.0	11.0	11.0	11.0
40	6.6	8.8	8.8	8.8	8.8	8.8	11.0	11.0	11.0	11.0
45	6.6	8.8	8.8	8.8	8.8	8.8	11.0	11.0	11.0	11.0
50	6.6	8.8	8.8	8.8	8.8	8.8	11.0	11.0	11.0	11.0
55	8.8	8.8	8.8	8.8	11.0	11.0	11.0	11.0	11.0	11.0
60	8.8	8.8	8.8	11.0	11.0	11.0	11.0	11.0	11.0	13.2
65	8.8	11.0	11.0	11.0	11.0	11.0	11.0	13.2	13.2	13.2
70	11.0	11.0	11.0	11.0	13.2	13.2	13.2	13.2	13.2	15.4
75	11.0	11.0	11.0	13.2	13.2	13.2	15.4	15.4	15.4	15.4
80	11.0	13.2	13.2	13.2	13.2	15.4	15.4	15.4	15.4	15.4
85	11.0	13.2	13.2	13.2	15.4	15.4	15.4	15.4	15.4	15.4
90	17.6	17.6	19.8	19.8	19.8	22.0	22.0	22.0	24.2	24.2
95	50.6	48.4	50.6	52.8	55.0	57.2	57.2	57.2	59.4	59.4
100	107.8	99.0	99.0	101.2	103.4	105.6	110.0	112.2	112.2	114.4
105	184.8	173.8	173.8	173.8	171.6	169.4	169.4	173.8	176.0	178.2
110	301.4	264.0	261.8	257.4	255.2	253.0	248.6	246.4	246.4	246.4
115	422.4	371.8	356.4	349.8	343.2	336.6	332.2	327.8	325.6	323.4
120	543.4	495.0	459.8	446.6	435.6	424.6	415.8	409.2	407.0	402.6
125	653.4	624.8	574.2	547.8	530.2	514.8	503.8	497.2	490.6	484.0
130	752.4	741.4	690.8	651.2	627.0	609.4	589.6	558.8	550.0	556.6
135	822.8	838.2	803.0	756.8	710.6	673.2	653.4	640.2	631.4	622.6

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CANDELA TABULATION - (Cont.)

140	844.8	855.8	853.6	822.8	800.8	770.0	748.0	730.4	717.2	706.2
145	882.2	884.4	926.2	917.4	893.2	875.6	851.4	829.4	811.8	796.4
150	970.2	910.8	932.8	952.6	952.6	943.8	939.4	928.4	913.0	895.4
155	1040.6	965.8	948.2	952.6	963.6	970.2	970.2	970.2	979.0	987.8
160	1148.4	1100.0	1045.0	1023.0	1009.8	998.8	990.0	990.0	998.8	1014.2
165	1214.4	1205.6	1170.4	1133.0	1104.4	1084.6	1067.0	1051.6	1036.2	1025.2
170	1262.8	1265.0	1254.0	1243.0	1218.8	1188.0	1161.6	1133.0	1102.2	1073.6
175	1302.4	1287.0	1282.6	1280.4	1271.6	1262.8	1256.2	1240.8	1223.2	1203.4
180	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8

Vert. Horizontal Angles

Angles	150	155	160	165	170	175	180
0	15.4	15.4	15.4	15.4	15.4	15.4	15.4
5	15.4	15.4	15.4	15.4	15.4	15.4	15.4
10	15.4	15.4	15.4	13.2	15.4	15.4	15.4
15	13.2	13.2	13.2	13.2	13.2	13.2	13.2
20	11.0	11.0	11.0	13.2	11.0	13.2	11.0
25	11.0	11.0	11.0	11.0	11.0	11.0	11.0
30	11.0	11.0	11.0	11.0	11.0	11.0	11.0
35	11.0	11.0	11.0	11.0	11.0	11.0	11.0
40	11.0	11.0	11.0	11.0	11.0	11.0	11.0
45	11.0	11.0	11.0	11.0	11.0	11.0	11.0
50	11.0	11.0	11.0	11.0	11.0	11.0	11.0
55	11.0	11.0	13.2	13.2	13.2	13.2	13.2
60	13.2	13.2	13.2	13.2	13.2	13.2	13.2
65	13.2	13.2	13.2	15.4	15.4	15.4	15.4
70	15.4	15.4	15.4	15.4	15.4	15.4	15.4
75	15.4	15.4	17.6	17.6	17.6	17.6	17.6
80	17.6	17.6	17.6	17.6	17.6	17.6	17.6
85	17.6	17.6	17.6	17.6	17.6	17.6	17.6
90	24.2	24.2	26.4	26.4	26.4	26.4	26.4
95	59.4	59.4	61.6	61.6	61.6	61.6	63.8
100	116.6	116.6	116.6	116.6	118.8	118.8	118.8
105	180.4	180.4	182.6	182.6	182.6	182.6	184.8
110	246.4	248.6	250.8	250.8	250.8	250.8	253.0
115	321.2	321.2	321.2	323.4	321.2	321.2	323.4
120	400.4	398.2	398.2	396.0	396.0	396.0	396.0
125	479.6	477.4	475.2	475.2	473.0	473.0	473.0
130	561.0	558.8	554.4	552.2	550.0	547.8	547.8
135	618.2	613.8	611.6	616.0	618.2	620.4	622.6
140	699.6	693.0	688.6	684.2	682.0	688.6	701.8
145	787.6	778.8	772.2	765.6	763.4	778.8	783.2
150	882.2	873.4	864.6	858.0	858.0	873.4	877.8
155	981.2	972.4	965.8	961.4	963.6	972.4	976.8
160	1038.4	1058.2	1053.8	1056.0	1062.6	1069.2	1078.0
165	1042.8	1078.0	1133.0	1163.8	1166.0	1166.0	1174.8
170	1051.6	1020.8	1047.2	1113.2	1205.6	1227.6	1232.0
175	1183.6	1150.6	1100.0	992.2	952.6	983.4	1133.0
180	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8	1185.8

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4.92	N.A.	0.10
0-30	9.33	N.A.	0.20
0-40	14.50	N.A.	0.20
0-60	27.31	N.A.	0.50
0-80	46.89	N.A.	0.80
0-90	61.89	N.A.	1.00
10-90	60.48	N.A.	1.00
20-40	9.58	N.A.	0.20
20-50	15.43	N.A.	0.30
40-70	21.54	N.A.	0.40
60-80	19.58	N.A.	0.30
70-80	10.85	N.A.	0.20
80-90	15.00	N.A.	0.30
90-110	716.30	N.A.	12.00
90-120	1808.92	N.A.	30.30
90-130	3025.79	N.A.	50.70
90-150	4859.04	N.A.	81.40
90-180	5909.26	N.A.	99.00
110-180	5192.96	N.A.	87.00
0-180	5971.15	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1.42
10-20	3.50
20-30	4.41
30-40	5.17
40-50	5.84
50-60	6.96
60-70	8.73
70-80	10.85
80-90	15.00
90-100	134.08
100-110	582.22
110-120	1092.62
120-130	1216.87
130-140	1024.77
140-150	808.47
150-160	584.86
160-170	350.89
170-180	114.47

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_WE_RA_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	
0	95	95	95	95	82	82	82	82	56	56	56	33	33	33	11	11	11	1
1	87	83	79	76	74	71	68	65	49	47	45	28	27	27	10	9	9	1
2	79	72	66	62	67	62	57	53	43	40	37	25	23	22	8	8	8	0
3	72	63	56	51	61	54	49	44	37	34	31	22	20	19	7	7	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	7	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	6	5	5	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	12	5	5	4	0
7	50	39	32	27	43	34	28	23	23	20	17	14	12	10	5	4	3	0
8	47	35	28	23	40	30	25	20	21	17	15	12	10	9	4	4	3	0
9	43	32	25	20	37	28	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	4	3	2	0

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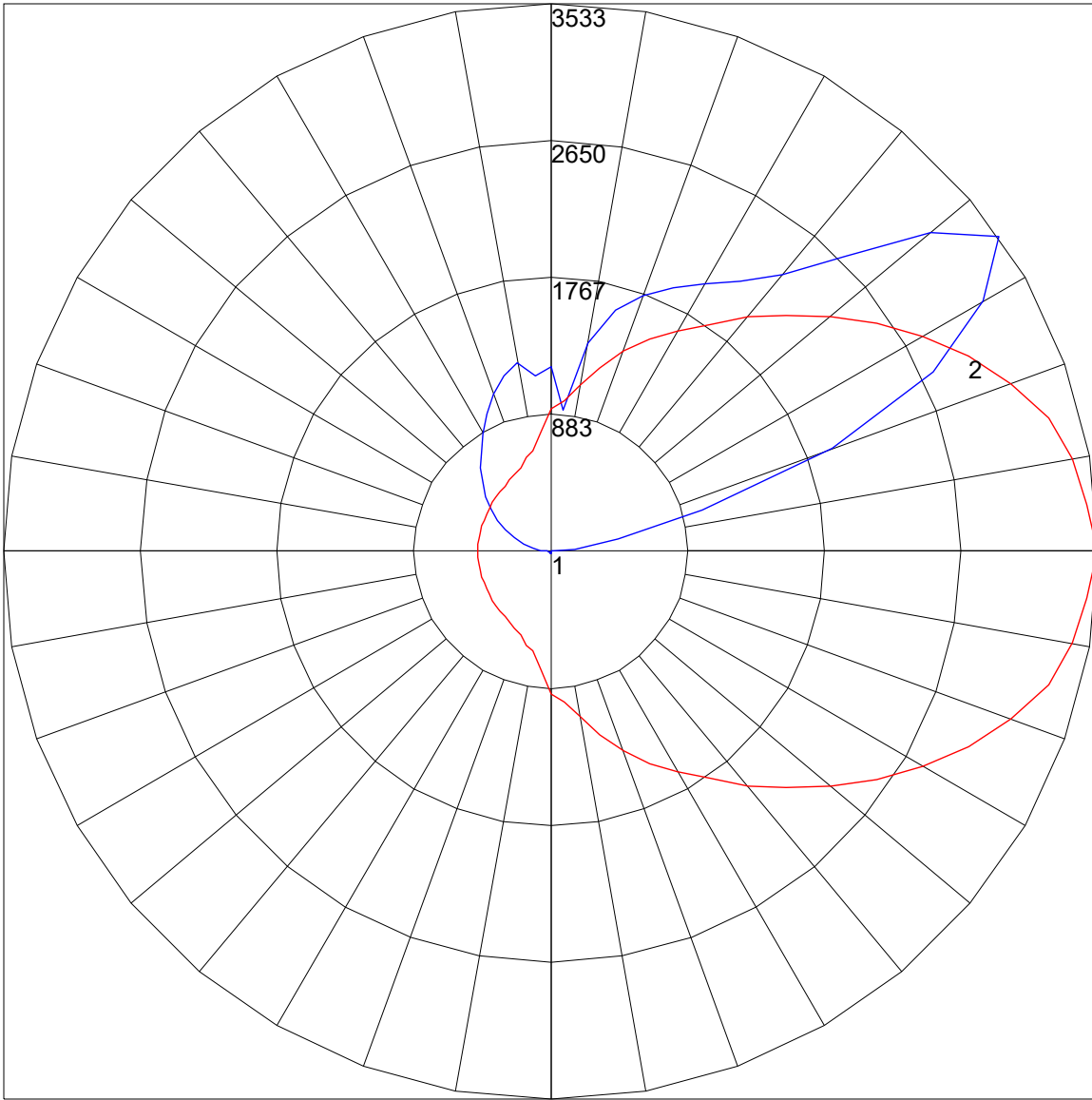
UGR TABLE - CORRECTED

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	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	3H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	4H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	6H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	8H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	12H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
4H	2H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	3H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	4H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	6H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	8H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	12H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
8H	4H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	6H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	8H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	12H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
12H	4H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	6H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	8H	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2

Maximum UGR = 6.2

POLAR GRAPH



Maximum Candela = 3533.2 Located At Horizontal Angle = 0, Vertical Angle = 125
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (125) (Through Max. Cd.)