

IES REPORT

Wedge | Slope | 707
 Slope | Asymmetric, White/Black | 90 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	124	128	131	132
Total Lumens, 4' rail length (1219mm)	4899	5053	5157	5208
Lumens per foot (305mm)	1225	1263	1289	1302
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	94	94	94	94

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_359_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	5157
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
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	76	76	114
55	94	94	141
65	127	127	254
75	208	312	415
85	925	925	1542

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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	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
5	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
10	13.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
15	9.5	9.5	9.5	11.4	9.5	9.5	9.5	11.4	11.4	11.4
20	7.6	7.6	7.6	7.6	9.5	9.5	9.5	9.5	9.5	9.5
25	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
30	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
35	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
40	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
45	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
50	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
55	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
60	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
65	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
70	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
75	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.7	5.7
80	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
85	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
90	15.2	15.2	15.2	15.2	15.2	17.1	17.1	17.1	17.1	17.1
95	134.9	134.9	136.8	138.7	138.7	140.6	142.5	146.3	146.3	146.3
100	383.8	385.7	391.4	393.3	400.9	408.5	416.1	423.7	431.3	433.2
105	874.0	879.7	887.3	900.6	915.8	934.8	951.9	961.4	963.3	948.1
110	1668.2	1677.7	1681.5	1687.2	1687.2	1683.4	1668.2	1637.8	1578.9	1478.2
115	2354.1	2348.4	2340.8	2318.0	2285.7	2238.2	2177.4	2088.1	1943.7	1765.1
120	2781.6	2768.3	2756.9	2730.3	2677.1	2593.5	2458.6	2289.5	2078.6	1875.3
125	3051.4	3002.0	2954.5	2872.8	2732.2	2574.5	2397.8	2217.3	2036.8	1862.0
130	2762.6	2705.6	2658.1	2568.8	2464.3	2340.8	2205.9	2010.2	1837.3	1744.2
135	2325.6	2285.7	2242.0	2171.7	2086.2	2004.5	1915.2	1833.5	1742.3	1654.9
140	2010.2	1983.6	1964.6	1932.3	1892.4	1839.2	1786.0	1729.0	1668.2	1607.4
145	1837.3	1820.2	1808.8	1787.9	1761.3	1727.1	1692.9	1653.0	1607.4	1561.8
150	1721.4	1706.2	1700.5	1683.4	1662.5	1637.8	1615.0	1584.6	1550.4	1512.4
155	1615.0	1607.4	1605.5	1594.1	1578.9	1559.9	1542.8	1508.6	1436.4	1375.6
160	1514.3	1506.7	1502.9	1497.2	1483.9	1455.4	1390.8	1333.8	1280.6	1229.3
165	1388.9	1385.1	1383.2	1371.8	1288.2	1223.6	1179.9	1157.1	1141.9	1107.7
170	1178.0	1178.0	1109.6	1014.6	959.5	963.3	1020.3	1056.4	1086.8	1102.0
175	792.3	790.4	801.8	874.0	965.2	1014.6	1037.4	1056.4	1067.8	1081.1
180	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1

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	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
5	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
10	11.4	11.4	13.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4
15	11.4	11.4	11.4	11.4	11.4	11.4	9.5	9.5	9.5	9.5
20	9.5	9.5	9.5	9.5	9.5	9.5	9.5	7.6	9.5	9.5
25	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
30	5.7	5.7	5.7	5.7	5.7	5.7	5.7	7.6	5.7	7.6
35	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
40	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
45	3.8	3.8	3.8	3.8	5.7	5.7	5.7	5.7	5.7	5.7
50	3.8	3.8	3.8	3.8	3.8	5.7	5.7	5.7	5.7	5.7
55	3.8	3.8	3.8	3.8	3.8	5.7	5.7	5.7	5.7	5.7
60	3.8	3.8	3.8	5.7	5.7	5.7	5.7	5.7	5.7	7.6

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CANDELA TABULATION - (Cont.)

65	3.8	3.8	5.7	5.7	5.7	5.7	5.7	5.7	7.6	7.6
70	5.7	5.7	5.7	5.7	5.7	5.7	5.7	7.6	7.6	7.6
75	5.7	5.7	5.7	5.7	5.7	5.7	7.6	7.6	7.6	9.5
80	5.7	5.7	5.7	5.7	7.6	7.6	7.6	7.6	9.5	9.5
85	5.7	7.6	7.6	7.6	7.6	7.6	7.6	9.5	9.5	9.5
90	19.0	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	15.2
95	142.5	136.8	127.3	117.8	110.2	100.7	91.2	77.9	66.5	55.1
100	425.6	404.7	374.3	342.0	305.9	269.8	239.4	199.5	161.5	123.5
105	908.2	824.6	727.7	630.8	549.1	484.5	423.7	345.8	290.7	218.5
110	1335.7	1151.4	999.4	877.8	792.3	685.9	589.0	486.4	431.3	340.1
115	1573.2	1392.7	1225.5	1092.5	969.0	843.6	727.7	617.5	564.3	448.4
120	1685.3	1506.7	1358.5	1223.6	1094.4	959.5	837.9	733.4	680.2	554.8
125	1708.1	1542.8	1417.4	1307.2	1185.6	1058.3	936.7	841.7	794.2	661.2
130	1664.4	1561.8	1461.1	1349.0	1244.5	1121.0	1008.9	929.1	889.2	754.3
135	1575.1	1497.2	1432.6	1360.4	1269.2	1176.1	1081.1	1007.0	967.1	824.6
140	1542.8	1470.6	1400.3	1318.6	1238.8	1141.9	1056.4	1026.0	995.6	877.8
145	1514.3	1451.6	1385.1	1311.0	1214.1	1083.0	1031.7	999.4	972.8	904.4
150	1451.6	1369.9	1305.3	1219.8	1141.9	1037.4	1016.5	965.2	942.4	906.3
155	1320.5	1259.7	1181.8	1124.8	1039.3	1045.0	997.5	925.3	894.9	894.9
160	1195.1	1172.3	1107.7	1067.8	1090.6	1065.9	1026.0	978.5	951.9	970.9
165	1084.9	1086.8	1105.8	1113.4	1102.0	1084.9	1065.9	1039.3	1020.3	1033.6
170	1109.6	1109.6	1105.8	1109.6	1105.8	1103.9	1103.9	1092.5	1079.2	1084.9
175	1092.5	1096.3	1100.1	1107.7	1117.2	1122.9	1134.3	1130.5	1124.8	1126.7
180	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1

Vert. Angles **Horizontal Angles**

	100	105	110	115	120	125	130	135	140	145
0	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
5	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
10	11.4	11.4	11.4	11.4	11.4	13.3	13.3	13.3	13.3	13.3
15	9.5	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
20	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
25	7.6	7.6	7.6	7.6	9.5	9.5	9.5	9.5	9.5	9.5
30	7.6	7.6	7.6	7.6	7.6	7.6	9.5	9.5	9.5	9.5
35	5.7	7.6	7.6	7.6	7.6	7.6	9.5	9.5	9.5	9.5
40	5.7	7.6	7.6	7.6	7.6	7.6	9.5	9.5	9.5	9.5
45	5.7	7.6	7.6	7.6	7.6	7.6	9.5	9.5	9.5	9.5
50	5.7	7.6	7.6	7.6	7.6	7.6	9.5	9.5	9.5	9.5
55	7.6	7.6	7.6	7.6	9.5	9.5	9.5	9.5	9.5	9.5
60	7.6	7.6	7.6	9.5	9.5	9.5	9.5	9.5	9.5	11.4
65	7.6	9.5	9.5	9.5	9.5	9.5	9.5	11.4	11.4	11.4
70	9.5	9.5	9.5	9.5	11.4	11.4	11.4	11.4	11.4	13.3
75	9.5	9.5	9.5	11.4	11.4	11.4	13.3	13.3	13.3	13.3
80	9.5	11.4	11.4	11.4	11.4	13.3	13.3	13.3	13.3	13.3
85	9.5	11.4	11.4	11.4	13.3	13.3	13.3	13.3	13.3	13.3
90	15.2	15.2	17.1	17.1	17.1	19.0	19.0	19.0	20.9	20.9
95	43.7	41.8	43.7	45.6	47.5	49.4	49.4	49.4	51.3	51.3
100	93.1	85.5	85.5	87.4	89.3	91.2	95.0	96.9	96.9	98.8
105	159.6	150.1	150.1	150.1	148.2	146.3	146.3	150.1	152.0	153.9
110	260.3	228.0	226.1	222.3	220.4	218.5	214.7	212.8	212.8	212.8
115	364.8	321.1	307.8	302.1	296.4	290.7	286.9	283.1	281.2	279.3
120	469.3	427.5	397.1	385.7	376.2	366.7	359.1	353.4	351.5	347.7
125	564.3	539.6	495.9	473.1	457.9	444.6	435.1	429.4	423.7	418.0
130	649.8	640.3	596.6	562.4	541.5	526.3	509.2	482.6	475.0	480.7
135	710.6	723.9	693.5	653.6	613.7	581.4	564.3	552.9	545.3	537.7

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

140	729.6	739.1	737.2	710.6	691.6	665.0	646.0	630.8	619.4	609.9
145	761.9	763.8	799.9	792.3	771.4	756.2	735.3	716.3	701.1	687.8
150	837.9	786.6	805.6	822.7	822.7	815.1	811.3	801.8	788.5	773.3
155	898.7	834.1	818.9	822.7	832.2	837.9	837.9	837.9	845.5	853.1
160	991.8	950.0	902.5	883.5	872.1	862.6	855.0	855.0	862.6	875.9
165	1048.8	1041.2	1010.8	978.5	953.8	936.7	921.5	908.2	894.9	885.4
170	1090.6	1092.5	1083.0	1073.5	1052.6	1026.0	1003.2	978.5	951.9	927.2
175	1124.8	1111.5	1107.7	1105.8	1098.2	1090.6	1084.9	1071.6	1056.4	1039.3
180	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1

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	13.3	13.3	13.3	13.3	13.3	13.3	13.3
5	13.3	13.3	13.3	13.3	13.3	13.3	13.3
10	13.3	13.3	13.3	11.4	13.3	13.3	13.3
15	11.4	11.4	11.4	11.4	11.4	11.4	11.4
20	9.5	9.5	9.5	11.4	9.5	11.4	9.5
25	9.5	9.5	9.5	9.5	9.5	9.5	9.5
30	9.5	9.5	9.5	9.5	9.5	9.5	9.5
35	9.5	9.5	9.5	9.5	9.5	9.5	9.5
40	9.5	9.5	9.5	9.5	9.5	9.5	9.5
45	9.5	9.5	9.5	9.5	9.5	9.5	9.5
50	9.5	9.5	9.5	9.5	9.5	9.5	9.5
55	9.5	9.5	11.4	11.4	11.4	11.4	11.4
60	11.4	11.4	11.4	11.4	11.4	11.4	11.4
65	11.4	11.4	11.4	13.3	13.3	13.3	13.3
70	13.3	13.3	13.3	13.3	13.3	13.3	13.3
75	13.3	13.3	15.2	15.2	15.2	15.2	15.2
80	15.2	15.2	15.2	15.2	15.2	15.2	15.2
85	15.2	15.2	15.2	15.2	15.2	15.2	15.2
90	20.9	20.9	22.8	22.8	22.8	22.8	22.8
95	51.3	51.3	53.2	53.2	53.2	53.2	55.1
100	100.7	100.7	100.7	100.7	102.6	102.6	102.6
105	155.8	155.8	157.7	157.7	157.7	157.7	159.6
110	212.8	214.7	216.6	216.6	216.6	216.6	218.5
115	277.4	277.4	277.4	279.3	277.4	277.4	279.3
120	345.8	343.9	343.9	342.0	342.0	342.0	342.0
125	414.2	412.3	410.4	410.4	408.5	408.5	408.5
130	484.5	482.6	478.8	476.9	475.0	473.1	473.1
135	533.9	530.1	528.2	532.0	533.9	535.8	537.7
140	604.2	598.5	594.7	590.9	589.0	594.7	606.1
145	680.2	672.6	666.9	661.2	659.3	672.6	676.4
150	761.9	754.3	746.7	741.0	741.0	754.3	758.1
155	847.4	839.8	834.1	830.3	832.2	839.8	843.6
160	896.8	913.9	910.1	912.0	917.7	923.4	931.0
165	900.6	931.0	978.5	1005.1	1007.0	1007.0	1014.6
170	908.2	881.6	904.4	961.4	1041.2	1060.2	1064.0
175	1022.2	993.7	950.0	856.9	822.7	849.3	978.5
180	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1	1024.1

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_WE_RA_HO_359_WH-AL.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4.25	N.A.	0.10
0-30	8.06	N.A.	0.20
0-40	12.52	N.A.	0.20
0-60	23.58	N.A.	0.50
0-80	40.50	N.A.	0.80
0-90	53.45	N.A.	1.00
10-90	52.23	N.A.	1.00
20-40	8.28	N.A.	0.20
20-50	13.32	N.A.	0.30
40-70	18.60	N.A.	0.40
60-80	16.91	N.A.	0.30
70-80	9.37	N.A.	0.20
80-90	12.96	N.A.	0.30
90-110	618.62	N.A.	12.00
90-120	1562.25	N.A.	30.30
90-130	2613.19	N.A.	50.70
90-150	4196.44	N.A.	81.40
90-180	5103.45	N.A.	99.00
110-180	4484.83	N.A.	87.00
0-180	5156.91	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1.22
10-20	3.02
20-30	3.81
30-40	4.47
40-50	5.05
50-60	6.01
60-70	7.54
70-80	9.37
80-90	12.96
90-100	115.80
100-110	502.83
110-120	943.63
120-130	1050.93
130-140	885.03
140-150	698.22
150-160	505.11
160-170	303.04
170-180	98.86

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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	24	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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_WE_RA_HO_359_WH-AL.IES

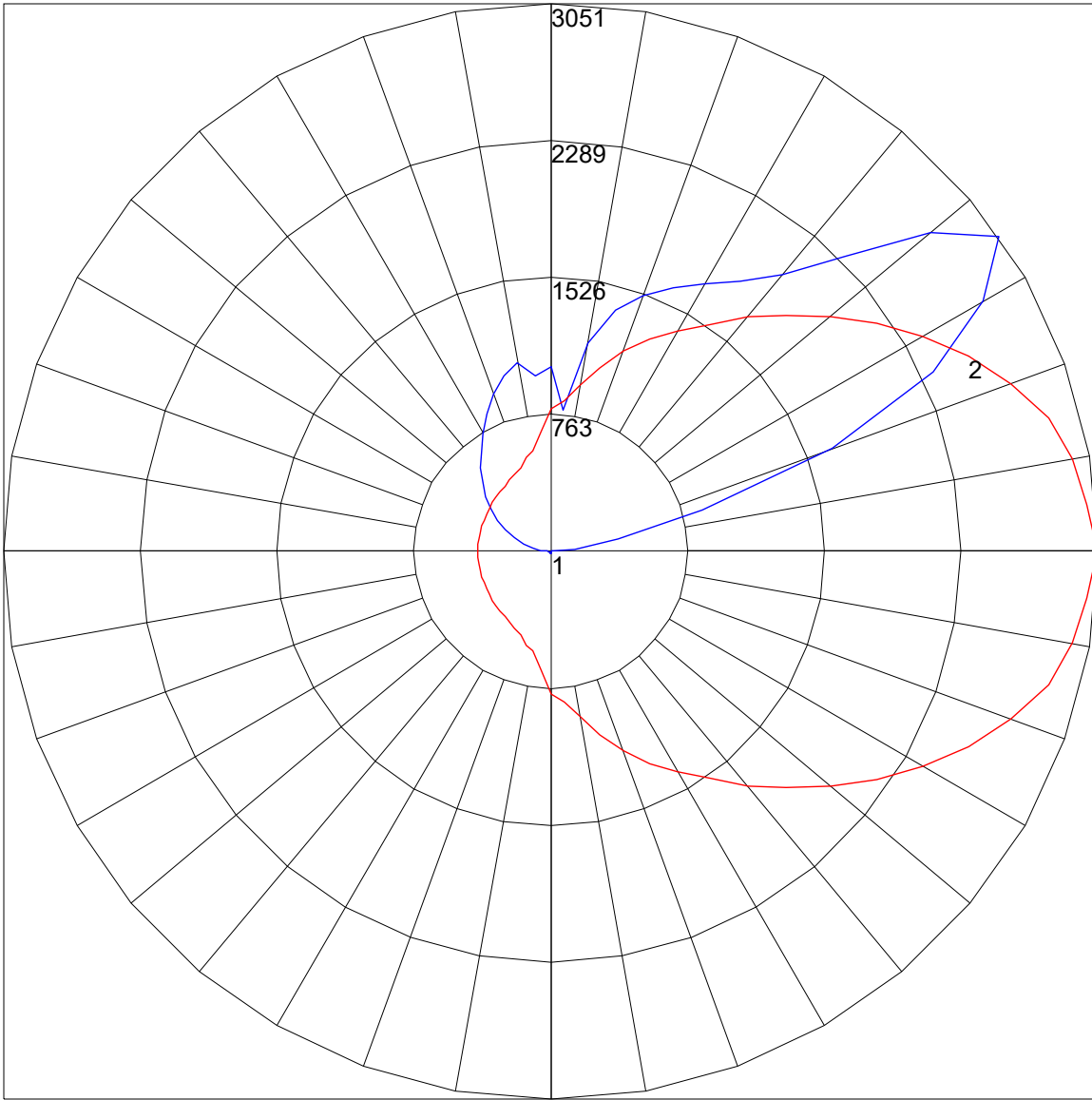
UGR TABLE - CORRECTED

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	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	3H	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	4H	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	6H	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	8H	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	12H	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
4H	2H	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	3H	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	4H	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	6H	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	8H	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	12H	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
8H	4H	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	6H	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	8H	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	12H	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
12H	4H	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	6H	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	8H	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7

Maximum UGR = 5.7

POLAR GRAPH



Maximum Candela = 3051.4 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.)