

IES REPORT

# Wedge | Slope | 707

Slope | Diffuse, White | 90 CRI | Low Output

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

Reporting by Color Temperature	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	80	83	85	85
Total Lumens, 4' rail length (1219mm)	1189	1226	1251	1264
Lumens per foot (305mm)	297	307	313	316
Input Power (W), 4' rail length (1219mm)	14.9	14.9	14.9	14.9
Watts per foot (305mm)	3.8	3.8	3.8	3.8
CRI	90	90	90	90

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\_LO\_359\_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-48-35-90-R6-WH\_LO  
[LUMINAIRE] Wedge, Slope, diffuse, 48", 3500K, 90 CRI, white, low output  
[MORE] Wedge, low Output, White  
[TEST PROCEDURE] IESNA:LM-79-19

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1251
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	14.9
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	5583	4974	3484
55	6205	5432	3544
65	7234	6185	3463
75	9549	7497	3151
85	20681	14443	2927

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>
<b>0</b>	384.72	384.72	384.72	384.72	384.72	384.72	384.72	384.72	384.72	384.72
<b>5</b>	405.30	405.72	406.56	406.98	407.40	405.72	404.04	403.20	402.36	400.68
<b>10</b>	416.64	417.48	418.32	418.32	418.32	416.22	413.70	411.60	409.92	407.40
<b>15</b>	425.04	425.88	426.30	425.88	425.46	422.94	419.58	416.64	414.12	410.34
<b>20</b>	430.08	430.50	430.50	430.08	429.24	426.30	422.10	417.90	414.54	410.34
<b>25</b>	431.34	431.34	431.34	430.08	428.82	425.46	420.84	415.80	410.76	405.72
<b>30</b>	427.98	427.98	427.98	426.30	424.20	420.84	415.38	409.50	404.04	397.74
<b>35</b>	421.68	420.84	420.84	419.16	416.64	412.86	406.98	399.84	393.54	386.40
<b>40</b>	411.18	410.34	409.50	407.82	404.46	400.68	394.80	386.82	378.42	371.28
<b>45</b>	396.48	396.06	395.22	393.12	388.92	384.30	378.42	370.44	361.62	353.22
<b>50</b>	378.42	378.42	377.58	375.06	370.44	365.82	359.52	351.54	341.88	332.64
<b>55</b>	357.42	357.00	356.16	353.22	349.02	343.56	337.26	328.44	320.46	312.90
<b>60</b>	333.48	333.48	332.22	329.28	324.24	318.36	311.22	303.66	296.94	289.38
<b>65</b>	307.02	306.60	305.34	302.40	297.78	291.48	284.34	277.62	270.48	262.50
<b>70</b>	278.88	277.62	276.36	273.00	267.96	262.08	254.10	244.86	238.56	230.58
<b>75</b>	248.22	246.96	245.28	242.34	236.88	230.16	222.18	213.36	204.12	194.88
<b>80</b>	215.46	214.20	212.10	208.74	203.70	197.40	189.84	180.60	169.68	159.18
<b>85</b>	181.02	180.18	178.08	174.72	169.68	162.96	155.40	146.58	136.92	126.42
<b>90</b>	146.16	145.32	143.22	140.28	135.66	128.94	121.80	112.98	103.74	93.66
<b>95</b>	112.14	111.72	110.04	106.68	102.48	96.60	89.46	82.32	73.50	63.84
<b>100</b>	78.96	78.54	77.28	73.92	69.72	63.84	57.96	50.82	43.26	36.54
<b>105</b>	47.04	47.46	45.36	42.84	39.48	35.28	28.98	22.68	17.22	12.18
<b>110</b>	18.48	18.90	17.22	14.70	11.76	7.98	4.20	3.78	5.88	8.40
<b>115</b>	2.52	2.52	2.52	2.52	2.52	2.52	2.94	4.62	6.30	8.40
<b>120</b>	2.10	2.10	2.10	2.10	2.10	2.10	2.52	3.78	5.46	7.56
<b>125</b>	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.52	3.78	5.46
<b>130</b>	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.52	2.94	3.78
<b>135</b>	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52
<b>140</b>	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94
<b>145</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>150</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>155</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>160</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>165</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>170</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>175</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>180</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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>
<b>0</b>	384.72	384.72	384.72	384.72	384.72	384.72	384.72	384.72	384.72	384.72
<b>5</b>	399.42	396.90	393.54	389.76	388.08	387.24	385.56	383.88	381.36	379.26
<b>10</b>	404.88	401.10	396.48	391.44	388.08	385.14	382.20	378.84	375.06	371.70
<b>15</b>	406.98	401.94	396.06	389.76	384.72	380.94	375.90	370.86	364.98	359.94
<b>20</b>	405.30	399.00	391.44	383.46	377.16	372.12	366.24	359.52	352.38	346.08
<b>25</b>	399.42	392.28	384.30	375.48	366.66	359.52	352.38	344.82	336.42	328.44
<b>30</b>	390.60	382.20	373.38	363.30	353.64	345.66	336.42	327.60	317.94	308.70
<b>35</b>	378.42	369.60	359.10	348.18	337.26	327.18	317.52	307.02	296.52	285.60
<b>40</b>	362.46	352.80	341.88	330.54	317.94	306.18	295.68	284.34	272.58	260.40
<b>45</b>	343.98	332.64	322.56	311.22	298.62	285.18	273.84	261.24	247.38	234.36
<b>50</b>	324.24	315.00	304.92	293.58	280.98	266.70	254.94	241.92	226.80	212.10
<b>55</b>	304.50	295.26	283.92	272.58	259.98	244.86	232.26	218.82	204.12	187.74
<b>60</b>	280.56	270.06	259.56	247.80	234.78	219.66	205.38	191.94	178.08	161.28

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**CANDELA TABULATION - (Cont.)**

65	253.68	243.60	231.84	220.08	207.06	190.26	175.14	161.28	147.00	131.88
70	221.34	210.42	199.08	186.90	174.30	160.02	144.06	129.78	114.66	100.38
75	185.64	174.30	162.12	149.94	136.92	123.06	108.78	95.34	81.90	67.62
80	149.52	139.02	128.10	115.92	102.48	88.62	75.60	63.00	50.82	39.06
85	115.50	105.00	94.08	83.58	72.24	60.48	48.30	37.38	25.62	15.12
90	84.00	74.76	64.26	54.18	43.26	33.60	23.52	14.28	12.18	11.34
95	54.60	46.62	38.22	29.40	21.00	13.44	12.60	12.60	12.60	11.76
100	28.98	22.26	15.12	11.34	12.60	13.44	13.86	14.28	13.86	13.44
105	8.82	9.66	11.34	13.44	14.70	15.54	15.96	16.38	15.96	15.54
110	10.50	12.60	14.28	15.96	17.22	18.06	18.90	18.90	18.90	18.48
115	10.50	12.60	13.86	15.54	16.80	17.64	18.06	18.06	17.64	17.22
120	9.24	10.92	12.60	13.86	15.12	15.54	15.96	16.38	15.96	15.12
125	7.56	9.24	10.50	11.76	12.60	13.44	13.86	13.86	13.44	13.02
130	5.46	6.72	7.56	8.82	9.66	10.08	10.08	10.08	9.66	8.82
135	3.36	4.62	5.46	5.88	5.04	3.78	2.94	2.52	2.52	2.52
140	2.52	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**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	384.72	384.72	384.72	384.72	384.72	384.72	384.72	384.72	384.72	384.72
5	376.74	374.22	370.86	369.18	368.76	368.34	367.50	366.66	364.98	362.46
10	367.08	362.88	358.68	355.32	353.64	351.54	349.44	347.34	344.40	341.04
15	354.48	349.02	343.56	338.52	335.58	331.80	328.44	325.08	321.30	317.52
20	338.94	331.80	324.66	319.20	314.58	309.96	305.34	301.14	296.10	291.06
25	320.46	311.22	303.24	296.94	291.06	285.18	279.30	273.42	267.96	262.50
30	299.04	289.80	280.56	272.16	265.44	257.88	251.16	244.44	237.72	231.84
35	275.10	264.18	254.10	245.28	237.30	229.32	221.34	213.36	207.06	199.92
40	249.06	237.30	227.22	217.56	208.32	199.50	189.42	181.02	173.46	166.74
45	222.18	209.58	196.98	186.48	176.82	167.16	157.50	148.68	140.70	132.72
50	196.98	182.28	168.00	155.82	144.90	133.98	123.90	115.08	107.94	100.80
55	172.62	157.92	143.64	128.94	114.24	102.48	91.98	83.16	75.60	68.04
60	145.74	131.46	116.34	101.64	86.94	73.50	61.74	53.34	45.78	39.48
65	117.18	103.32	88.20	74.34	60.48	47.04	34.44	26.04	18.90	13.02
70	86.94	73.92	60.48	46.20	33.60	21.00	10.08	3.78	3.36	3.36
75	55.02	42.42	29.40	17.64	7.98	4.20	3.36	3.36	3.36	3.36
80	27.72	15.54	9.66	7.14	5.04	3.36	3.36	3.78	3.78	3.78
85	11.34	9.66	7.98	5.46	3.78	3.36	3.36	3.78	3.78	3.78
90	10.50	8.82	7.14	5.46	3.78	3.36	3.78	3.78	3.78	3.78
95	10.92	9.66	7.98	6.30	4.20	3.36	3.36	3.78	3.78	3.78
100	12.60	11.34	9.66	7.56	5.46	3.78	3.36	3.78	3.78	3.78
105	14.28	13.02	11.34	9.66	7.56	5.04	3.36	3.36	3.36	3.78
110	17.22	15.96	14.28	12.60	10.50	7.98	5.46	3.36	3.36	3.36
115	15.96	14.70	13.02	11.34	8.82	6.30	4.20	2.94	2.94	2.94
120	13.86	12.60	10.92	8.82	6.72	4.62	2.94	2.52	2.94	2.94
125	11.76	10.50	8.40	6.30	3.78	2.52	2.52	2.52	2.52	2.52
130	7.56	5.88	4.20	2.52	2.52	2.52	2.52	2.52	2.52	2.52
135	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

140	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**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	384.72	384.72	384.72	384.72	384.72	384.72	384.72
5	360.36	359.52	358.68	357.84	356.58	354.90	354.48
10	338.94	337.26	335.58	334.32	332.64	330.96	330.12
15	314.16	312.06	309.54	307.86	306.18	304.50	303.66
20	286.86	284.34	281.82	279.30	277.20	275.52	274.68
25	257.88	254.52	251.58	248.22	246.12	244.86	243.60
30	226.80	223.02	218.82	215.88	213.78	212.10	211.26
35	194.46	189.84	186.06	182.70	180.18	178.50	177.24
40	160.86	156.24	152.04	148.26	145.74	144.06	142.80
45	127.26	121.80	117.60	114.24	111.72	110.04	108.78
50	94.50	89.04	84.42	80.64	78.12	76.44	76.02
55	62.16	57.12	52.92	49.56	47.04	45.78	45.36
60	33.18	28.56	24.36	21.42	19.32	18.06	17.22
65	7.98	4.20	2.94	2.52	2.52	2.52	2.52
70	3.36	2.94	2.94	2.94	2.94	2.94	2.94
75	3.36	3.36	3.36	3.36	3.36	3.36	3.36
80	3.78	3.78	3.78	3.78	3.78	3.78	3.78
85	3.78	3.78	3.78	3.78	3.78	3.78	4.20
90	3.78	3.78	3.78	4.20	4.20	4.20	4.20
95	3.78	3.78	4.20	4.20	4.20	4.20	4.20
100	3.78	3.78	3.78	4.20	4.20	4.20	4.20
105	3.78	3.78	3.78	3.78	3.78	3.78	3.78
110	3.36	3.36	3.36	3.36	3.78	3.78	3.36
115	2.94	3.36	3.36	3.36	3.36	3.36	3.36
120	2.94	2.94	2.94	2.94	2.94	2.94	2.94
125	2.52	2.52	2.52	2.52	2.94	2.94	2.94
130	2.52	2.52	2.52	2.52	2.52	2.52	2.52
135	2.52	2.52	2.52	2.52	2.52	2.52	2.52
140	2.94	2.94	2.94	2.94	2.94	2.94	2.94
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	139.59	N.A.	11.20
0-30	295.41	N.A.	23.60
0-40	482.39	N.A.	38.60
0-60	855.45	N.A.	68.40
0-80	1109.99	N.A.	88.70
0-90	1179.03	N.A.	94.20
10-90	1142.78	N.A.	91.40
20-40	342.80	N.A.	27.40
20-50	536.58	N.A.	42.90
40-70	520.13	N.A.	41.60
60-80	254.55	N.A.	20.30
70-80	107.47	N.A.	8.60
80-90	69.04	N.A.	5.50
90-110	55.00	N.A.	4.40
90-120	63.57	N.A.	5.10
90-130	68.89	N.A.	5.50
90-150	71.95	N.A.	5.80
90-180	71.95	N.A.	5.80
110-180	16.95	N.A.	1.40
0-180	1250.98	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	36.26
10-20	103.33
20-30	155.82
30-40	186.98
40-50	193.78
50-60	179.27
60-70	147.08
70-80	107.47
80-90	69.04
90-100	37.87
100-110	17.14
110-120	8.56
120-130	5.33
130-140	2.57
140-150	0.49
150-160	0.00
160-170	0.00
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 707\_WE\_R6\_LO\_359\_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	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	106	100	95	91	91	102	97	93	89	92	88	85	87	84	81	82	80	78	75
2	95	86	79	73	73	92	84	77	71	79	74	69	75	71	66	71	67	64	61
3	87	76	67	60	60	84	73	65	59	70	63	57	66	60	55	63	58	54	51
4	79	67	57	50	50	76	65	56	50	62	54	48	59	52	47	56	50	46	43
5	73	59	50	43	43	70	58	49	43	55	48	42	53	46	41	50	44	40	37
6	67	53	44	38	38	65	52	44	37	50	42	36	48	41	36	45	40	35	33
7	62	48	39	33	33	60	47	39	33	45	38	32	43	37	32	41	35	31	29
8	58	44	35	30	30	56	43	35	29	41	34	29	40	33	28	38	32	28	26
9	54	40	32	27	27	52	40	32	26	38	31	26	37	30	25	35	29	25	23
10	51	37	29	24	24	49	37	29	24	35	28	23	34	28	23	33	27	23	21

**IES INDOOR REPORT**  
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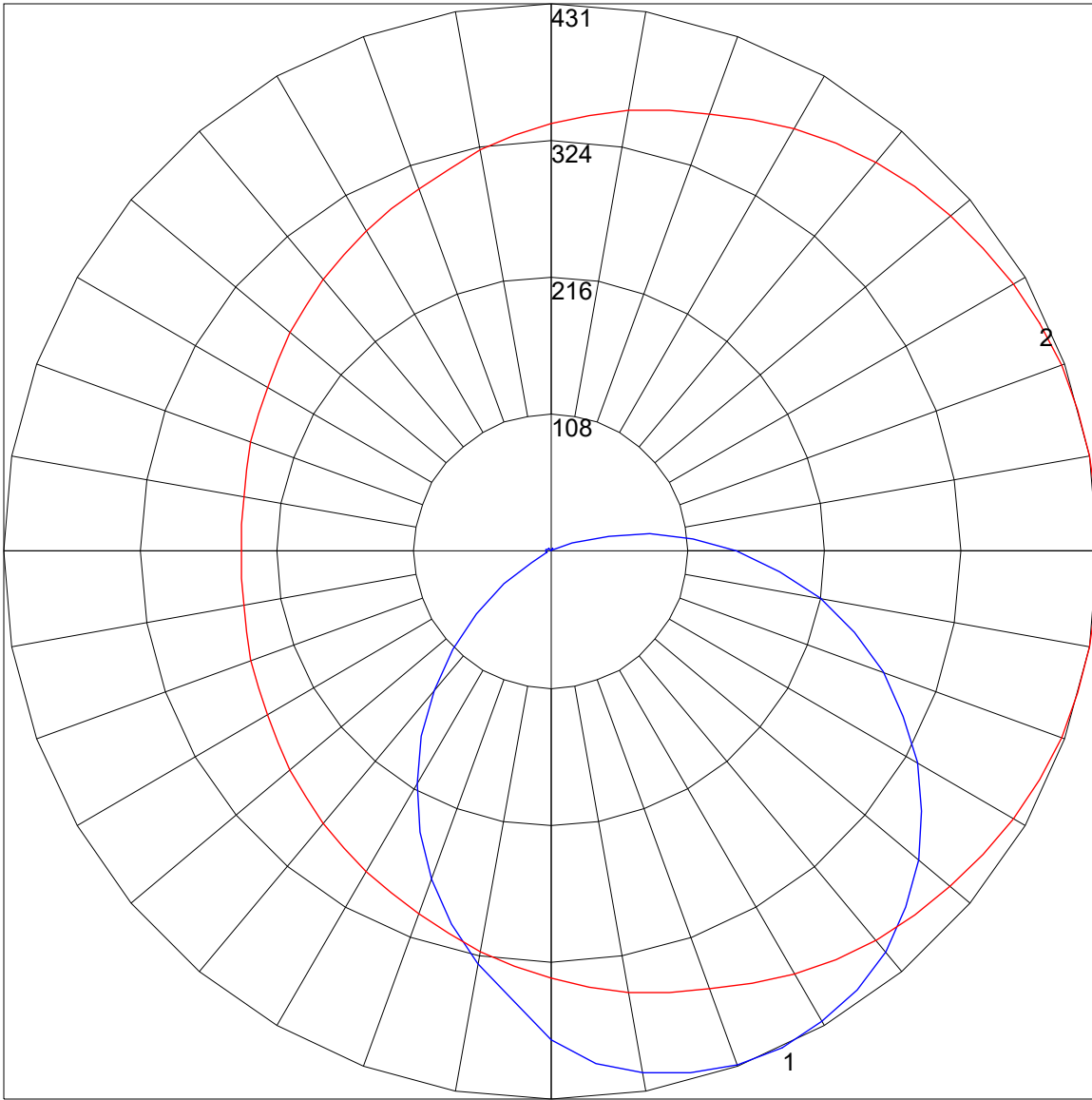
**UGR TABLE - CORRECTED**

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	20.0	21.6	20.5	22.0	22.5	16.2	17.8	16.7	18.2	18.7
	3H	22.9	24.3	23.3	24.7	25.2	18.2	19.6	18.7	20.1	20.6
	4H	24.3	25.6	24.8	26.1	26.6	18.9	20.3	19.4	20.7	21.3
	6H	25.7	27.0	26.2	27.5	28.0	19.5	20.7	20.0	21.2	21.7
	8H	26.5	27.7	27.0	28.2	28.7	19.7	20.9	20.2	21.4	21.9
	12H	27.3	28.5	27.9	29.0	29.6	19.8	21.0	20.4	21.5	22.1
4H	2H	20.7	22.0	21.2	22.5	23.0	17.3	18.6	17.8	19.1	19.6
	3H	23.8	24.9	24.3	25.5	26.0	19.5	20.7	20.0	21.2	21.7
	4H	25.4	26.4	25.9	27.0	27.5	20.4	21.5	21.0	22.0	22.6
	6H	27.1	28.0	27.6	28.6	29.1	21.2	22.1	21.7	22.6	23.2
	8H	28.0	28.8	28.5	29.4	30.0	21.4	22.3	22.0	22.9	23.5
	12H	29.0	29.8	29.5	30.3	30.9	21.7	22.5	22.2	23.0	23.6
8H	4H	25.8	26.7	26.4	27.2	27.8	21.3	22.2	21.9	22.7	23.3
	6H	27.7	28.5	28.3	29.1	29.7	22.3	23.1	22.9	23.7	24.3
	8H	28.8	29.5	29.4	30.1	30.7	22.8	23.5	23.4	24.1	24.7
	12H	30.1	30.7	30.7	31.3	31.9	23.2	23.8	23.8	24.4	25.1
12H	4H	25.9	26.7	26.4	27.2	27.8	21.6	22.4	22.2	23.0	23.6
	6H	27.9	28.6	28.5	29.1	29.8	22.8	23.5	23.4	24.0	24.7
	8H	29.1	29.7	29.7	30.3	30.9	23.4	24.0	24.0	24.6	25.3

Maximum UGR = 31.9



POLAR GRAPH



Maximum Candela = 431.34 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.)