

IES REPORT

Wedge | Slope | 707

Slope | Diffuse, White | 80 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	96	99	101	101
Total Lumens, 4' rail length (1219mm)	1415	1460	1490	1490
Lumens per foot (305mm)	354	365	372	372
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	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_LO_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_LO
[LUMINAIRE] System 707, Wedge, 48", Surface Mount, 35K, 80 CRI
[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	1489
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
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	6647	5921	4147
55	7387	6467	4218
65	8611	7363	4123
75	11368	8925	3751
85	24620	17194	3485

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	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0
5	482.5	483.0	484.0	484.5	485.0	483.0	481.0	480.0	479.0	477.0
10	496.0	497.0	498.0	498.0	498.0	495.5	492.5	490.0	488.0	485.0
15	506.0	507.0	507.5	507.0	506.5	503.5	499.5	496.0	493.0	488.5
20	512.0	512.5	512.5	512.0	511.0	507.5	502.5	497.5	493.5	488.5
25	513.5	513.5	513.5	512.0	510.5	506.5	501.0	495.0	489.0	483.0
30	509.5	509.5	509.5	507.5	505.0	501.0	494.5	487.5	481.0	473.5
35	502.0	501.0	501.0	499.0	496.0	491.5	484.5	476.0	468.5	460.0
40	489.5	488.5	487.5	485.5	481.5	477.0	470.0	460.5	450.5	442.0
45	472.0	471.5	470.5	468.0	463.0	457.5	450.5	441.0	430.5	420.5
50	450.5	450.5	449.5	446.5	441.0	435.5	428.0	418.5	407.0	396.0
55	425.5	425.0	424.0	420.5	415.5	409.0	401.5	391.0	381.5	372.5
60	397.0	397.0	395.5	392.0	386.0	379.0	370.5	361.5	353.5	344.5
65	365.5	365.0	363.5	360.0	354.5	347.0	338.5	330.5	322.0	312.5
70	332.0	330.5	329.0	325.0	319.0	312.0	302.5	291.5	284.0	274.5
75	295.5	294.0	292.0	288.5	282.0	274.0	264.5	254.0	243.0	232.0
80	256.5	255.0	252.5	248.5	242.5	235.0	226.0	215.0	202.0	189.5
85	215.5	214.5	212.0	208.0	202.0	194.0	185.0	174.5	163.0	150.5
90	174.0	173.0	170.5	167.0	161.5	153.5	145.0	134.5	123.5	111.5
95	133.5	133.0	131.0	127.0	122.0	115.0	106.5	98.0	87.5	76.0
100	94.0	93.5	92.0	88.0	83.0	76.0	69.0	60.5	51.5	43.5
105	56.0	56.5	54.0	51.0	47.0	42.0	34.5	27.0	20.5	14.5
110	22.0	22.5	20.5	17.5	14.0	9.5	5.0	4.5	7.0	10.0
115	3.0	3.0	3.0	3.0	3.0	3.0	3.5	5.5	7.5	10.0
120	2.5	2.5	2.5	2.5	2.5	2.5	3.0	4.5	6.5	9.0
125	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.0	4.5	6.5
130	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.0	3.5	4.5
135	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
140	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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
 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	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0
5	475.5	472.5	468.5	464.0	462.0	461.0	459.0	457.0	454.0	451.5
10	482.0	477.5	472.0	466.0	462.0	458.5	455.0	451.0	446.5	442.5
15	484.5	478.5	471.5	464.0	458.0	453.5	447.5	441.5	434.5	428.5
20	482.5	475.0	466.0	456.5	449.0	443.0	436.0	428.0	419.5	412.0
25	475.5	467.0	457.5	447.0	436.5	428.0	419.5	410.5	400.5	391.0
30	465.0	455.0	444.5	432.5	421.0	411.5	400.5	390.0	378.5	367.5
35	450.5	440.0	427.5	414.5	401.5	389.5	378.0	365.5	353.0	340.0
40	431.5	420.0	407.0	393.5	378.5	364.5	352.0	338.5	324.5	310.0
45	409.5	396.0	384.0	370.5	355.5	339.5	326.0	311.0	294.5	279.0
50	386.0	375.0	363.0	349.5	334.5	317.5	303.5	288.0	270.0	252.5
55	362.5	351.5	338.0	324.5	309.5	291.5	276.5	260.5	243.0	223.5
60	334.0	321.5	309.0	295.0	279.5	261.5	244.5	228.5	212.0	192.0

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CANDELA TABULATION - (Cont.)

65	302.0	290.0	276.0	262.0	246.5	226.5	208.5	192.0	175.0	157.0
70	263.5	250.5	237.0	222.5	207.5	190.5	171.5	154.5	136.5	119.5
75	221.0	207.5	193.0	178.5	163.0	146.5	129.5	113.5	97.5	80.5
80	178.0	165.5	152.5	138.0	122.0	105.5	90.0	75.0	60.5	46.5
85	137.5	125.0	112.0	99.5	86.0	72.0	57.5	44.5	30.5	18.0
90	100.0	89.0	76.5	64.5	51.5	40.0	28.0	17.0	14.5	13.5
95	65.0	55.5	45.5	35.0	25.0	16.0	15.0	15.0	15.0	14.0
100	34.5	26.5	18.0	13.5	15.0	16.0	16.5	17.0	16.5	16.0
105	10.5	11.5	13.5	16.0	17.5	18.5	19.0	19.5	19.0	18.5
110	12.5	15.0	17.0	19.0	20.5	21.5	22.5	22.5	22.5	22.0
115	12.5	15.0	16.5	18.5	20.0	21.0	21.5	21.5	21.0	20.5
120	11.0	13.0	15.0	16.5	18.0	18.5	19.0	19.5	19.0	18.0
125	9.0	11.0	12.5	14.0	15.0	16.0	16.5	16.5	16.0	15.5
130	6.5	8.0	9.0	10.5	11.5	12.0	12.0	12.0	11.5	10.5
135	4.0	5.5	6.5	7.0	6.0	4.5	3.5	3.0	3.0	3.0
140	3.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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

Angles	100	105	110	115	120	125	130	135	140	145
0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0
5	448.5	445.5	441.5	439.5	439.0	438.5	437.5	436.5	434.5	431.5
10	437.0	432.0	427.0	423.0	421.0	418.5	416.0	413.5	410.0	406.0
15	422.0	415.5	409.0	403.0	399.5	395.0	391.0	387.0	382.5	378.0
20	403.5	395.0	386.5	380.0	374.5	369.0	363.5	358.5	352.5	346.5
25	381.5	370.5	361.0	353.5	346.5	339.5	332.5	325.5	319.0	312.5
30	356.0	345.0	334.0	324.0	316.0	307.0	299.0	291.0	283.0	276.0
35	327.5	314.5	302.5	292.0	282.5	273.0	263.5	254.0	246.5	238.0
40	296.5	282.5	270.5	259.0	248.0	237.5	225.5	215.5	206.5	198.5
45	264.5	249.5	234.5	222.0	210.5	199.0	187.5	177.0	167.5	158.0
50	234.5	217.0	200.0	185.5	172.5	159.5	147.5	137.0	128.5	120.0
55	205.5	188.0	171.0	153.5	136.0	122.0	109.5	99.0	90.0	81.0
60	173.5	156.5	138.5	121.0	103.5	87.5	73.5	63.5	54.5	47.0
65	139.5	123.0	105.0	88.5	72.0	56.0	41.0	31.0	22.5	15.5
70	103.5	88.0	72.0	55.0	40.0	25.0	12.0	4.5	4.0	4.0
75	65.5	50.5	35.0	21.0	9.5	5.0	4.0	4.0	4.0	4.0
80	33.0	18.5	11.5	8.5	6.0	4.0	4.0	4.5	4.5	4.5
85	13.5	11.5	9.5	6.5	4.5	4.0	4.0	4.5	4.5	4.5
90	12.5	10.5	8.5	6.5	4.5	4.0	4.5	4.5	4.5	4.5
95	13.0	11.5	9.5	7.5	5.0	4.0	4.0	4.5	4.5	4.5
100	15.0	13.5	11.5	9.0	6.5	4.5	4.0	4.5	4.5	4.5
105	17.0	15.5	13.5	11.5	9.0	6.0	4.0	4.0	4.0	4.5
110	20.5	19.0	17.0	15.0	12.5	9.5	6.5	4.0	4.0	4.0
115	19.0	17.5	15.5	13.5	10.5	7.5	5.0	3.5	3.5	3.5
120	16.5	15.0	13.0	10.5	8.0	5.5	3.5	3.0	3.5	3.5
125	14.0	12.5	10.0	7.5	4.5	3.0	3.0	3.0	3.0	3.0
130	9.0	7.0	5.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
135	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

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CANDELA TABULATION - (Cont.)

140	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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

Angles	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0	458.0	458.0	458.0	458.0	458.0	458.0	458.0
5	429.0	428.0	427.0	426.0	424.5	422.5	422.0
10	403.5	401.5	399.5	398.0	396.0	394.0	393.0
15	374.0	371.5	368.5	366.5	364.5	362.5	361.5
20	341.5	338.5	335.5	332.5	330.0	328.0	327.0
25	307.0	303.0	299.5	295.5	293.0	291.5	290.0
30	270.0	265.5	260.5	257.0	254.5	252.5	251.5
35	231.5	226.0	221.5	217.5	214.5	212.5	211.0
40	191.5	186.0	181.0	176.5	173.5	171.5	170.0
45	151.5	145.0	140.0	136.0	133.0	131.0	129.5
50	112.5	106.0	100.5	96.0	93.0	91.0	90.5
55	74.0	68.0	63.0	59.0	56.0	54.5	54.0
60	39.5	34.0	29.0	25.5	23.0	21.5	20.5
65	9.5	5.0	3.5	3.0	3.0	3.0	3.0
70	4.0	3.5	3.5	3.5	3.5	3.5	3.5
75	4.0	4.0	4.0	4.0	4.0	4.0	4.0
80	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85	4.5	4.5	4.5	4.5	4.5	4.5	5.0
90	4.5	4.5	4.5	5.0	5.0	5.0	5.0
95	4.5	4.5	5.0	5.0	5.0	5.0	5.0
100	4.5	4.5	4.5	5.0	5.0	5.0	5.0
105	4.5	4.5	4.5	4.5	4.5	4.5	4.5
110	4.0	4.0	4.0	4.0	4.5	4.5	4.0
115	3.5	4.0	4.0	4.0	4.0	4.0	4.0
120	3.5	3.5	3.5	3.5	3.5	3.5	3.5
125	3.0	3.0	3.0	3.0	3.5	3.5	3.5
130	3.0	3.0	3.0	3.0	3.0	3.0	3.0
135	3.0	3.0	3.0	3.0	3.0	3.0	3.0
140	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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	166.18	N.A.	11.20
0-30	351.68	N.A.	23.60
0-40	574.28	N.A.	38.60
0-60	1018.39	N.A.	68.40
0-80	1321.42	N.A.	88.70
0-90	1403.61	N.A.	94.20
10-90	1360.45	N.A.	91.40
20-40	408.09	N.A.	27.40
20-50	638.79	N.A.	42.90
40-70	619.20	N.A.	41.60
60-80	303.03	N.A.	20.30
70-80	127.94	N.A.	8.60
80-90	82.19	N.A.	5.50
90-110	65.48	N.A.	4.40
90-120	75.67	N.A.	5.10
90-130	82.01	N.A.	5.50
90-150	85.65	N.A.	5.80
90-180	85.65	N.A.	5.80
110-180	20.17	N.A.	1.40
0-180	1489.27	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	43.16
10-20	123.02
20-30	185.50
30-40	222.59
40-50	230.69
50-60	213.42
60-70	175.09
70-80	127.94
80-90	82.19
90-100	45.08
100-110	20.40
110-120	10.19
120-130	6.34
130-140	3.06
140-150	0.58
150-160	0.00
160-170	0.00
170-180	0.00

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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	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	68	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	41	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

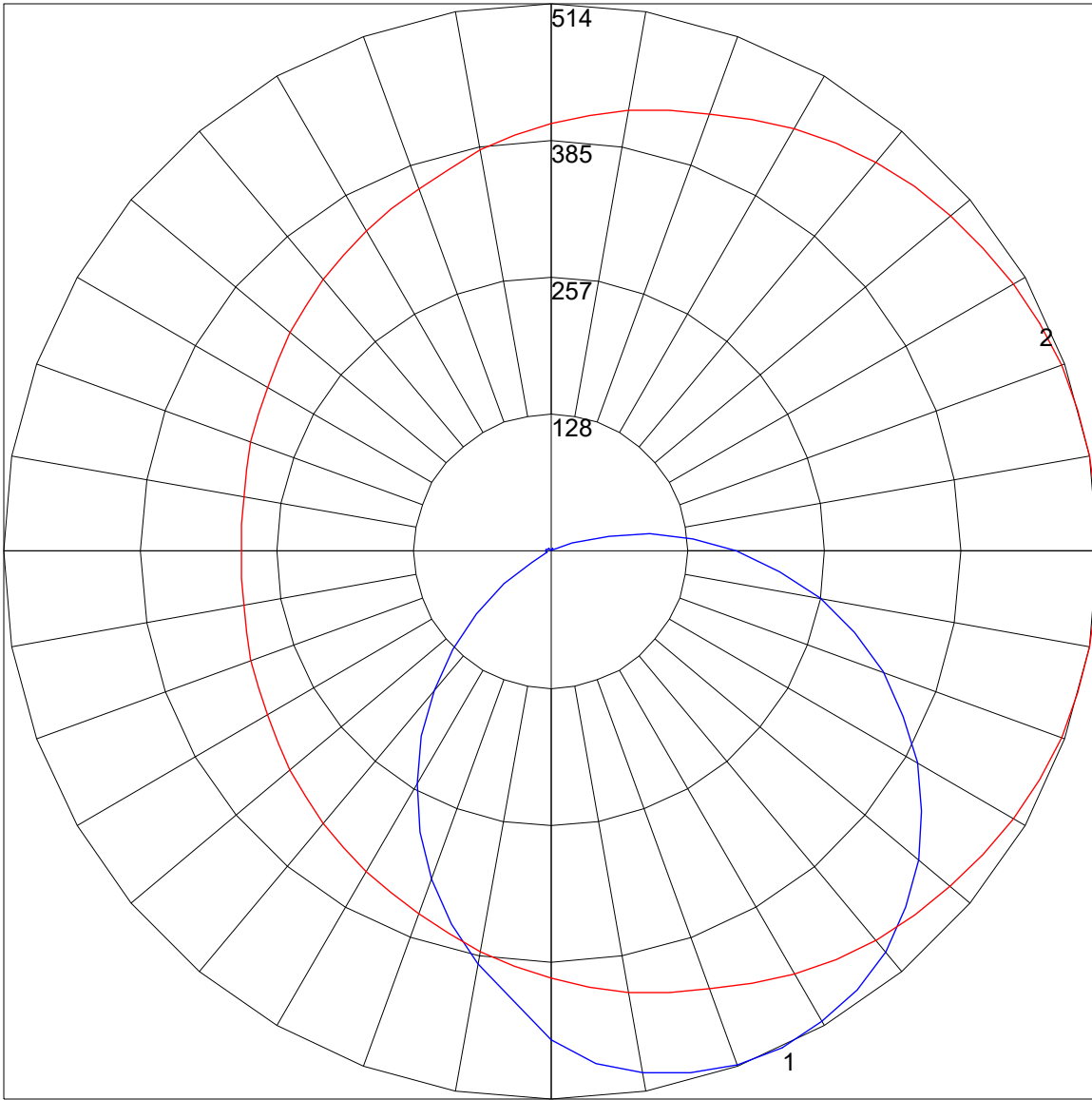
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_WE_R6_LO_358_WH-AL.IES

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	20.6	22.2	21.1	22.6	23.1	16.8	18.4	17.3	18.8	19.3
	3H	23.5	24.9	23.9	25.3	25.8	18.8	20.2	19.3	20.7	21.2
	4H	24.9	26.2	25.4	26.7	27.2	19.5	20.9	20.0	21.3	21.9
	6H	26.3	27.6	26.8	28.1	28.6	20.1	21.3	20.6	21.8	22.4
	8H	27.1	28.3	27.6	28.8	29.3	20.3	21.5	20.8	22.0	22.5
	12H	27.9	29.1	28.5	29.6	30.2	20.4	21.6	21.0	22.1	22.7
4H	2H	21.3	22.6	21.8	23.1	23.6	17.9	19.2	18.4	19.7	20.2
	3H	24.4	25.5	24.9	26.1	26.6	20.1	21.3	20.6	21.8	22.3
	4H	26.0	27.0	26.5	27.6	28.1	21.0	22.1	21.6	22.6	23.2
	6H	27.7	28.6	28.2	29.2	29.7	21.8	22.7	22.3	23.2	23.8
	8H	28.6	29.4	29.1	30.0	30.6	22.0	22.9	22.6	23.5	24.1
	12H	29.6	30.4	30.1	30.9	31.5	22.3	23.1	22.8	23.6	24.2
8H	4H	26.4	27.3	27.0	27.8	28.4	21.9	22.8	22.5	23.3	23.9
	6H	28.3	29.1	28.9	29.7	30.3	23.0	23.7	23.5	24.3	24.9
	8H	29.4	30.1	30.0	30.7	31.3	23.4	24.1	24.0	24.7	25.3
	12H	30.7	31.3	31.3	31.9	32.5	23.8	24.4	24.4	25.0	25.7
12H	4H	26.5	27.3	27.0	27.8	28.4	22.2	23.0	22.8	23.6	24.2
	6H	28.5	29.2	29.1	29.7	30.4	23.4	24.1	24.0	24.6	25.3
	8H	29.7	30.3	30.3	30.9	31.5	24.0	24.6	24.6	25.2	25.9

Maximum UGR = 32.5

POLAR GRAPH



Maximum Candela = 513.5 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.)