

IES REPORT

Wedge | Slope | 707

Slope | Diffuse, White | 90 CRI | Standard Output

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

Reporting by Color Temperature	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	92	95	97	98
Total Lumens, 4' rail length (1219mm)	2377	2452	2502	2527
Lumens per foot (305mm)	594	613	626	632
Input Power (W), 4' rail length (1219mm)	26.0	26.0	26.0	26.0
Watts per foot (305mm)	6.6	6.6	6.6	6.6
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_SO_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_SO
[LUMINAIRE] Wedge, Slope, diffuse, 48", 3500K, 90 CRI, white, standard output
[MORE] Wedge, Standard Output, White
[TEST PROCEDURE] IESNA:LM-79-19

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2502
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	26.3
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	11166	9948	6967
55	12410	10864	7087
65	14467	12369	6927
75	19099	14995	6302
85	41362	28886	5854

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	769.44	769.44	769.44	769.44	769.44	769.44	769.44	769.44	769.44	769.44
5	810.60	811.44	813.12	813.96	814.80	811.44	808.08	806.40	804.72	801.36
10	833.28	834.96	836.64	836.64	836.64	832.44	827.40	823.20	819.84	814.80
15	850.08	851.76	852.60	851.76	850.92	845.88	839.16	833.28	828.24	820.68
20	860.16	861.00	861.00	860.16	858.48	852.60	844.20	835.80	829.08	820.68
25	862.68	862.68	862.68	860.16	857.64	850.92	841.68	831.60	821.52	811.44
30	855.96	855.96	855.96	852.60	848.40	841.68	830.76	819.00	808.08	795.48
35	843.36	841.68	841.68	838.32	833.28	825.72	813.96	799.68	787.08	772.80
40	822.36	820.68	819.00	815.64	808.92	801.36	789.60	773.64	756.84	742.56
45	792.96	792.12	790.44	786.24	777.84	768.60	756.84	740.88	723.24	706.44
50	756.84	756.84	755.16	750.12	740.88	731.64	719.04	703.08	683.76	665.28
55	714.84	714.00	712.32	706.44	698.04	687.12	674.52	656.88	640.92	625.80
60	666.96	666.96	664.44	658.56	648.48	636.72	622.44	607.32	593.88	578.76
65	614.04	613.20	610.68	604.80	595.56	582.96	568.68	555.24	540.96	525.00
70	557.76	555.24	552.72	546.00	535.92	524.16	508.20	489.72	477.12	461.16
75	496.44	493.92	490.56	484.68	473.76	460.32	444.36	426.72	408.24	389.76
80	430.92	428.40	424.20	417.48	407.40	394.80	379.68	361.20	339.36	318.36
85	362.04	360.36	356.16	349.44	339.36	325.92	310.80	293.16	273.84	252.84
90	292.32	290.64	286.44	280.56	271.32	257.88	243.60	225.96	207.48	187.32
95	224.28	223.44	220.08	213.36	204.96	193.20	178.92	164.64	147.00	127.68
100	157.92	157.08	154.56	147.84	139.44	127.68	115.92	101.64	86.52	73.08
105	94.08	94.92	90.72	85.68	78.96	70.56	57.96	45.36	34.44	24.36
110	36.96	37.80	34.44	29.40	23.52	15.96	8.40	7.56	11.76	16.80
115	5.04	5.04	5.04	5.04	5.04	5.04	5.88	9.24	12.60	16.80
120	4.20	4.20	4.20	4.20	4.20	4.20	5.04	7.56	10.92	15.12
125	4.20	4.20	4.20	4.20	4.20	4.20	4.20	5.04	7.56	10.92
130	4.20	4.20	4.20	4.20	4.20	4.20	4.20	5.04	5.88	7.56
135	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04
140	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88
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>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	769.44	769.44	769.44	769.44	769.44	769.44	769.44	769.44	769.44	769.44
5	798.84	793.80	787.08	779.52	776.16	774.48	771.12	767.76	762.72	758.52
10	809.76	802.20	792.96	782.88	776.16	770.28	764.40	757.68	750.12	743.40
15	813.96	803.88	792.12	779.52	769.44	761.88	751.80	741.72	729.96	719.88
20	810.60	798.00	782.88	766.92	754.32	744.24	732.48	719.04	704.76	692.16
25	798.84	784.56	768.60	750.96	733.32	719.04	704.76	689.64	672.84	656.88
30	781.20	764.40	746.76	726.60	707.28	691.32	672.84	655.20	635.88	617.40
35	756.84	739.20	718.20	696.36	674.52	654.36	635.04	614.04	593.04	571.20
40	724.92	705.60	683.76	661.08	635.88	612.36	591.36	568.68	545.16	520.80
45	687.96	665.28	645.12	622.44	597.24	570.36	547.68	522.48	494.76	468.72
50	648.48	630.00	609.84	587.16	561.96	533.40	509.88	483.84	453.60	424.20
55	609.00	590.52	567.84	545.16	519.96	489.72	464.52	437.64	408.24	375.48
60	561.12	540.12	519.12	495.60	469.56	439.32	410.76	383.88	356.16	322.56

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CANDELA TABULATION - (Cont.)

65	507.36	487.20	463.68	440.16	414.12	380.52	350.28	322.56	294.00	263.76
70	442.68	420.84	398.16	373.80	348.60	320.04	288.12	259.56	229.32	200.76
75	371.28	348.60	324.24	299.88	273.84	246.12	217.56	190.68	163.80	135.24
80	299.04	278.04	256.20	231.84	204.96	177.24	151.20	126.00	101.64	78.12
85	231.00	210.00	188.16	167.16	144.48	120.96	96.60	74.76	51.24	30.24
90	168.00	149.52	128.52	108.36	86.52	67.20	47.04	28.56	24.36	22.68
95	109.20	93.24	76.44	58.80	42.00	26.88	25.20	25.20	25.20	23.52
100	57.96	44.52	30.24	22.68	25.20	26.88	27.72	28.56	27.72	26.88
105	17.64	19.32	22.68	26.88	29.40	31.08	31.92	32.76	31.92	31.08
110	21.00	25.20	28.56	31.92	34.44	36.12	37.80	37.80	37.80	36.96
115	21.00	25.20	27.72	31.08	33.60	35.28	36.12	36.12	35.28	34.44
120	18.48	21.84	25.20	27.72	30.24	31.08	31.92	32.76	31.92	30.24
125	15.12	18.48	21.00	23.52	25.20	26.88	27.72	27.72	26.88	26.04
130	10.92	13.44	15.12	17.64	19.32	20.16	20.16	20.16	19.32	17.64
135	6.72	9.24	10.92	11.76	10.08	7.56	5.88	5.04	5.04	5.04
140	5.04	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88
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	769.44	769.44	769.44	769.44	769.44	769.44	769.44	769.44	769.44	769.44
5	753.48	748.44	741.72	738.36	737.52	736.68	735.00	733.32	729.96	724.92
10	734.16	725.76	717.36	710.64	707.28	703.08	698.88	694.68	688.80	682.08
15	708.96	698.04	687.12	677.04	671.16	663.60	656.88	650.16	642.60	635.04
20	677.88	663.60	649.32	638.40	629.16	619.92	610.68	602.28	592.20	582.12
25	640.92	622.44	606.48	593.88	582.12	570.36	558.60	546.84	535.92	525.00
30	598.08	579.60	561.12	544.32	530.88	515.76	502.32	488.88	475.44	463.68
35	550.20	528.36	508.20	490.56	474.60	458.64	442.68	426.72	414.12	399.84
40	498.12	474.60	454.44	435.12	416.64	399.00	378.84	362.04	346.92	333.48
45	444.36	419.16	393.96	372.96	353.64	334.32	315.00	297.36	281.40	265.44
50	393.96	364.56	336.00	311.64	289.80	267.96	247.80	230.16	215.88	201.60
55	345.24	315.84	287.28	257.88	228.48	204.96	183.96	166.32	151.20	136.08
60	291.48	262.92	232.68	203.28	173.88	147.00	123.48	106.68	91.56	78.96
65	234.36	206.64	176.40	148.68	120.96	94.08	68.88	52.08	37.80	26.04
70	173.88	147.84	120.96	92.40	67.20	42.00	20.16	7.56	6.72	6.72
75	110.04	84.84	58.80	35.28	15.96	8.40	6.72	6.72	6.72	6.72
80	55.44	31.08	19.32	14.28	10.08	6.72	6.72	7.56	7.56	7.56
85	22.68	19.32	15.96	10.92	7.56	6.72	6.72	7.56	7.56	7.56
90	21.00	17.64	14.28	10.92	7.56	6.72	7.56	7.56	7.56	7.56
95	21.84	19.32	15.96	12.60	8.40	6.72	6.72	7.56	7.56	7.56
100	25.20	22.68	19.32	15.12	10.92	7.56	6.72	7.56	7.56	7.56
105	28.56	26.04	22.68	19.32	15.12	10.08	6.72	6.72	6.72	7.56
110	34.44	31.92	28.56	25.20	21.00	15.96	10.92	6.72	6.72	6.72
115	31.92	29.40	26.04	22.68	17.64	12.60	8.40	5.88	5.88	5.88
120	27.72	25.20	21.84	17.64	13.44	9.24	5.88	5.04	5.88	5.88
125	23.52	21.00	16.80	12.60	7.56	5.04	5.04	5.04	5.04	5.04
130	15.12	11.76	8.40	5.04	5.04	5.04	5.04	5.04	5.04	5.04
135	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04

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CANDELA TABULATION - (Cont.)

140	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88
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>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0	769.44	769.44	769.44	769.44	769.44	769.44	769.44
5	720.72	719.04	717.36	715.68	713.16	709.80	708.96
10	677.88	674.52	671.16	668.64	665.28	661.92	660.24
15	628.32	624.12	619.08	615.72	612.36	609.00	607.32
20	573.72	568.68	563.64	558.60	554.40	551.04	549.36
25	515.76	509.04	503.16	496.44	492.24	489.72	487.20
30	453.60	446.04	437.64	431.76	427.56	424.20	422.52
35	388.92	379.68	372.12	365.40	360.36	357.00	354.48
40	321.72	312.48	304.08	296.52	291.48	288.12	285.60
45	254.52	243.60	235.20	228.48	223.44	220.08	217.56
50	189.00	178.08	168.84	161.28	156.24	152.88	152.04
55	124.32	114.24	105.84	99.12	94.08	91.56	90.72
60	66.36	57.12	48.72	42.84	38.64	36.12	34.44
65	15.96	8.40	5.88	5.04	5.04	5.04	5.04
70	6.72	5.88	5.88	5.88	5.88	5.88	5.88
75	6.72	6.72	6.72	6.72	6.72	6.72	6.72
80	7.56	7.56	7.56	7.56	7.56	7.56	7.56
85	7.56	7.56	7.56	7.56	7.56	7.56	8.40
90	7.56	7.56	7.56	8.40	8.40	8.40	8.40
95	7.56	7.56	8.40	8.40	8.40	8.40	8.40
100	7.56	7.56	7.56	8.40	8.40	8.40	8.40
105	7.56	7.56	7.56	7.56	7.56	7.56	7.56
110	6.72	6.72	6.72	6.72	7.56	7.56	6.72
115	5.88	6.72	6.72	6.72	6.72	6.72	6.72
120	5.88	5.88	5.88	5.88	5.88	5.88	5.88
125	5.04	5.04	5.04	5.04	5.88	5.88	5.88
130	5.04	5.04	5.04	5.04	5.04	5.04	5.04
135	5.04	5.04	5.04	5.04	5.04	5.04	5.04
140	5.88	5.88	5.88	5.88	5.88	5.88	5.88
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	279.18	N.A.	11.20
0-30	590.83	N.A.	23.60
0-40	964.78	N.A.	38.60
0-60	1710.89	N.A.	68.40
0-80	2219.98	N.A.	88.70
0-90	2358.07	N.A.	94.20
10-90	2285.55	N.A.	91.40
20-40	685.60	N.A.	27.40
20-50	1073.16	N.A.	42.90
40-70	1040.26	N.A.	41.60
60-80	509.09	N.A.	20.30
70-80	214.93	N.A.	8.60
80-90	138.09	N.A.	5.50
90-110	110.01	N.A.	4.40
90-120	127.13	N.A.	5.10
90-130	137.78	N.A.	5.50
90-150	143.90	N.A.	5.80
90-180	143.90	N.A.	5.80
110-180	33.89	N.A.	1.40
0-180	2501.97	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	72.52
10-20	206.67
20-30	311.64
30-40	373.96
40-50	387.56
50-60	358.54
60-70	294.16
70-80	214.93
80-90	138.09
90-100	75.73
100-110	34.28
110-120	17.12
120-130	10.65
130-140	5.14
140-150	0.98
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	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	67	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

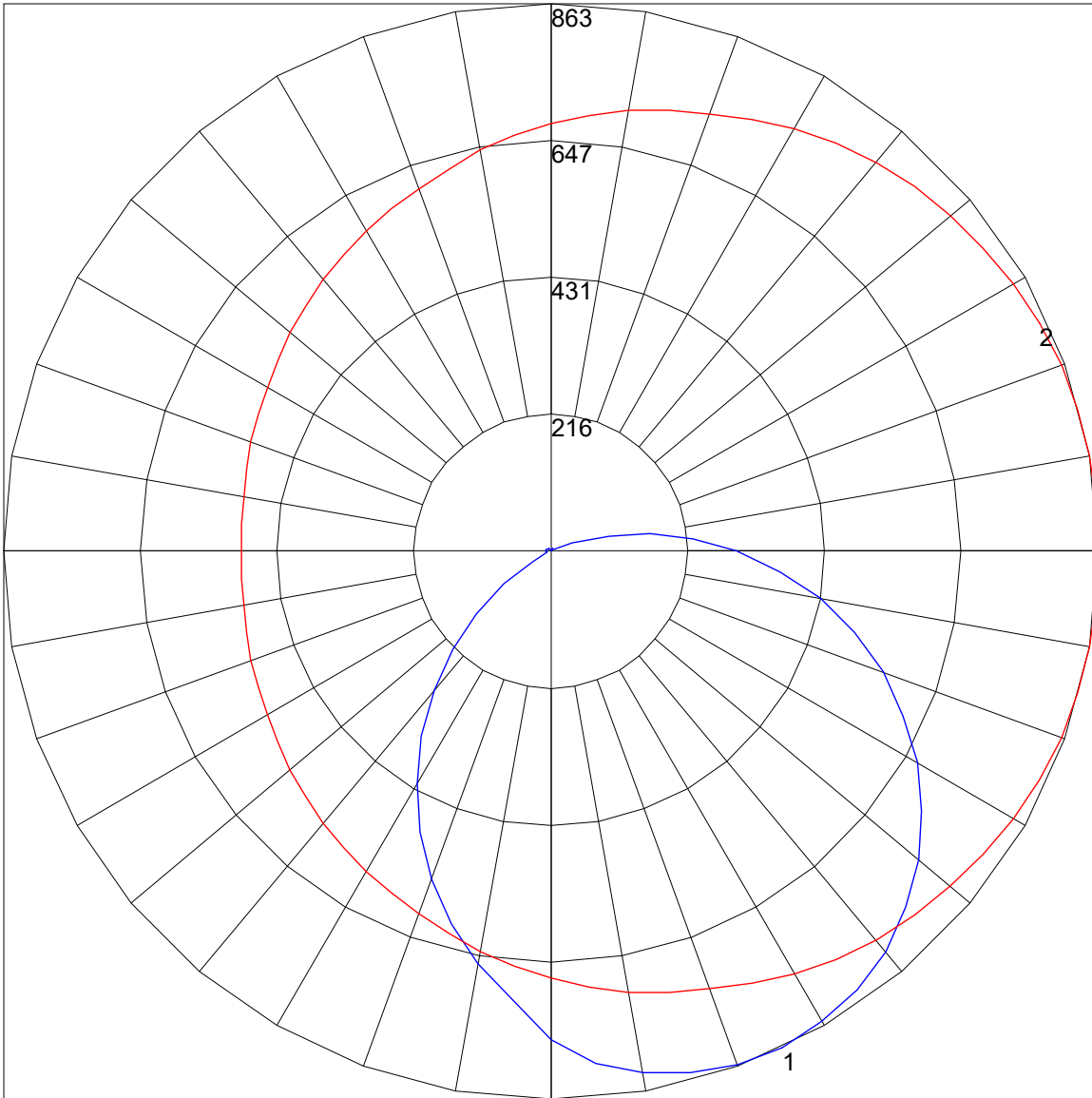
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_WE_R6_SO_359_WH-AL.IES

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	22.4	24.0	22.9	24.4	24.9	18.6	20.2	19.1	20.6	21.1
	3H	25.3	26.7	25.7	27.1	27.6	20.6	22.0	21.1	22.5	23.0
	4H	26.7	28.0	27.2	28.5	29.0	21.3	22.7	21.8	23.1	23.7
	6H	28.1	29.4	28.6	29.9	30.4	21.9	23.1	22.4	23.6	24.1
	8H	28.9	30.1	29.4	30.6	31.1	22.1	23.3	22.6	23.8	24.3
	12H	29.7	30.9	30.3	31.4	32.0	22.2	23.4	22.8	23.9	24.5
4H	2H	23.1	24.4	23.6	24.9	25.4	19.7	21.0	20.2	21.5	22.0
	3H	26.2	27.3	26.7	27.9	28.4	21.9	23.1	22.4	23.6	24.1
	4H	27.8	28.8	28.3	29.4	29.9	22.8	23.9	23.4	24.4	25.0
	6H	29.5	30.4	30.0	31.0	31.5	23.6	24.5	24.1	25.0	25.6
	8H	30.4	31.2	30.9	31.8	32.4	23.8	24.7	24.4	25.3	25.9
	12H	31.4	32.2	31.9	32.7	33.3	24.1	24.9	24.6	25.4	26.0
8H	4H	28.2	29.1	28.8	29.6	30.2	23.7	24.6	24.3	25.1	25.7
	6H	30.1	30.9	30.7	31.5	32.1	24.7	25.5	25.3	26.1	26.7
	8H	31.2	31.9	31.8	32.5	33.1	25.2	25.9	25.8	26.5	27.1
	12H	32.5	33.1	33.1	33.7	34.3	25.6	26.2	26.2	26.8	27.5
12H	4H	28.3	29.1	28.8	29.6	30.2	24.0	24.8	24.6	25.4	26.0
	6H	30.3	31.0	30.9	31.5	32.2	25.2	25.9	25.8	26.4	27.1
	8H	31.5	32.1	32.1	32.7	33.3	25.8	26.4	26.4	27.0	27.7

Maximum UGR = 34.3

POLAR GRAPH



Maximum Candela = 862.68 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.)