

IES REPORT

Wedge | Slope | 707

Slope | Diffuse, White | 90 CRI | High Output

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

Reporting by Color Temperature	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	115	118	121	122
Total Lumens, 4' rail length (1219mm)	4517	4659	4754	4802
Lumens per foot (305mm)	1129	1165	1189	1201
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	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_HO_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_HO
[LUMINAIRE] Wedge, Slope, diffuse, 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	4736
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	39.6
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	21136	18830	13188
55	23490	20564	13415
65	27385	23414	13112
75	36152	28383	11928
85	78292	54677	11081

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CANDELA TABULATION - (Cont.)

Table with 11 columns and 20 rows of numerical data. Values decrease from approximately 960 down to 0.00 across the rows.

Vert. Horizontal Angles

Table with 11 columns (0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120, 125, 130, 135) and 11 rows of numerical data. Values decrease from 1456.44 to 9.54.

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CANDELA TABULATION - (Cont.)

140	11.13	11.13	11.13	11.13	11.13	11.13	11.13	11.13	11.13	11.13
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	1456.44	1456.44	1456.44	1456.44	1456.44	1456.44	1456.44
5	1364.22	1361.04	1357.86	1354.68	1349.91	1343.55	1341.96
10	1283.13	1276.77	1270.41	1265.64	1259.28	1252.92	1249.74
15	1189.32	1181.37	1171.83	1165.47	1159.11	1152.75	1149.57
20	1085.97	1076.43	1066.89	1057.35	1049.40	1043.04	1039.86
25	976.26	963.54	952.41	939.69	931.74	926.97	922.20
30	858.60	844.29	828.39	817.26	809.31	802.95	799.77
35	736.17	718.68	704.37	691.65	682.11	675.75	670.98
40	608.97	591.48	575.58	561.27	551.73	545.37	540.60
45	481.77	461.10	445.20	432.48	422.94	416.58	411.81
50	357.75	337.08	319.59	305.28	295.74	289.38	287.79
55	235.32	216.24	200.34	187.62	178.08	173.31	171.72
60	125.61	108.12	92.22	81.09	73.14	68.37	65.19
65	30.21	15.90	11.13	9.54	9.54	9.54	9.54
70	12.72	11.13	11.13	11.13	11.13	11.13	11.13
75	12.72	12.72	12.72	12.72	12.72	12.72	12.72
80	14.31	14.31	14.31	14.31	14.31	14.31	14.31
85	14.31	14.31	14.31	14.31	14.31	14.31	15.90
90	14.31	14.31	14.31	15.90	15.90	15.90	15.90
95	14.31	14.31	15.90	15.90	15.90	15.90	15.90
100	14.31	14.31	14.31	15.90	15.90	15.90	15.90
105	14.31	14.31	14.31	14.31	14.31	14.31	14.31
110	12.72	12.72	12.72	12.72	14.31	14.31	12.72
115	11.13	12.72	12.72	12.72	12.72	12.72	12.72
120	11.13	11.13	11.13	11.13	11.13	11.13	11.13
125	9.54	9.54	9.54	9.54	11.13	11.13	11.13
130	9.54	9.54	9.54	9.54	9.54	9.54	9.54
135	9.54	9.54	9.54	9.54	9.54	9.54	9.54
140	11.13	11.13	11.13	11.13	11.13	11.13	11.13
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	528.45	N.A.	11.20
0-30	1118.35	N.A.	23.60
0-40	1826.2	N.A.	38.60
0-60	3238.47	N.A.	68.40
0-80	4202.11	N.A.	88.70
0-90	4463.48	N.A.	94.20
10-90	4326.22	N.A.	91.40
20-40	1297.74	N.A.	27.40
20-50	2031.34	N.A.	42.90
40-70	1969.07	N.A.	41.60
60-80	963.64	N.A.	20.30
70-80	406.84	N.A.	8.60
80-90	261.38	N.A.	5.50
90-110	208.23	N.A.	4.40
90-120	240.64	N.A.	5.10
90-130	260.81	N.A.	5.50
90-150	272.38	N.A.	5.80
90-180	272.38	N.A.	5.80
110-180	64.15	N.A.	1.40
0-180	4735.86	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	137.26
10-20	391.19
20-30	589.90
30-40	707.84
40-50	733.60
50-60	678.67
60-70	556.80
70-80	406.84
80-90	261.38
90-100	143.35
100-110	64.89
110-120	32.41
120-130	20.17
130-140	9.73
140-150	1.85
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

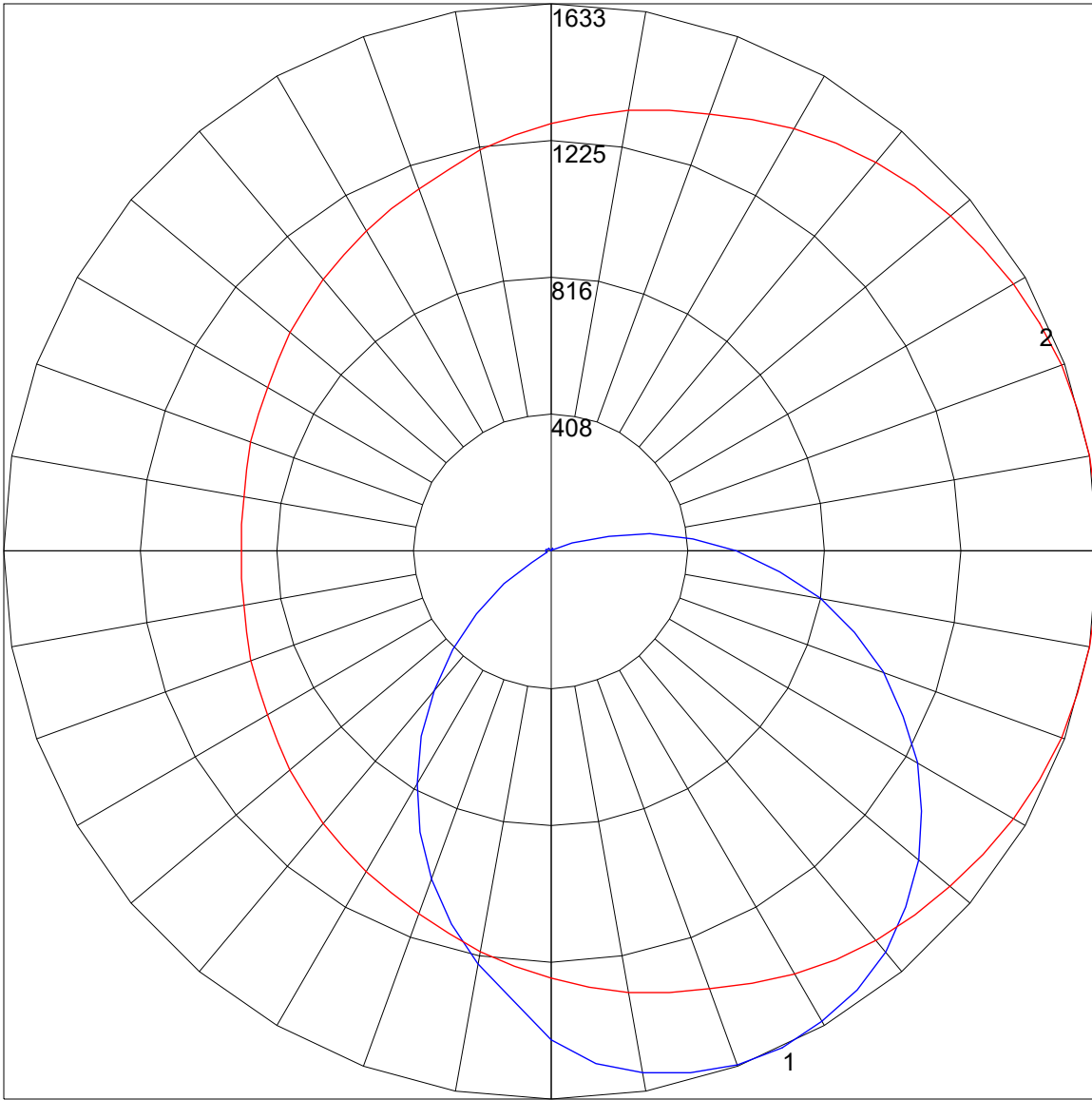
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UGR TABLE - CORRECTED

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	24.6	26.2	25.1	26.6	27.1	20.8	22.4	21.3	22.8	23.3
	3H	27.5	28.9	27.9	29.3	29.8	22.8	24.2	23.3	24.7	25.2
	4H	28.9	30.2	29.4	30.7	31.2	23.5	24.9	24.0	25.3	25.9
	6H	30.3	31.6	30.8	32.1	32.6	24.1	25.3	24.6	25.8	26.4
	8H	31.1	32.3	31.6	32.8	33.3	24.3	25.5	24.8	26.0	26.5
	12H	31.9	33.1	32.5	33.6	34.2	24.4	25.6	25.0	26.1	26.7
4H	2H	25.3	26.6	25.8	27.1	27.6	21.9	23.2	22.4	23.7	24.2
	3H	28.4	29.5	28.9	30.1	30.6	24.1	25.3	24.6	25.8	26.3
	4H	30.0	31.0	30.5	31.6	32.1	25.0	26.1	25.6	26.6	27.2
	6H	31.7	32.6	32.2	33.2	33.7	25.8	26.7	26.3	27.2	27.8
	8H	32.6	33.4	33.1	34.0	34.6	26.0	26.9	26.6	27.5	28.1
	12H	33.6	34.4	34.1	34.9	35.5	26.3	27.1	26.8	27.6	28.2
8H	4H	30.4	31.3	31.0	31.8	32.4	25.9	26.8	26.5	27.3	27.9
	6H	32.3	33.1	32.9	33.7	34.3	27.0	27.7	27.5	28.3	28.9
	8H	33.4	34.1	34.0	34.7	35.3	27.4	28.1	28.0	28.7	29.3
	12H	34.7	35.3	35.3	35.9	36.5	27.8	28.4	28.4	29.0	29.7
12H	4H	30.5	31.3	31.0	31.8	32.4	26.2	27.0	26.8	27.6	28.2
	6H	32.5	33.2	33.1	33.7	34.4	27.4	28.1	28.0	28.6	29.3
	8H	33.7	34.3	34.3	34.9	35.5	28.0	28.6	28.6	29.2	29.9

Maximum UGR = 36.5

POLAR GRAPH



Maximum Candela = 1632.93 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.)