

IES REPORT

# Wedge | Peak | 707

Peak | Diffuse, White | 90 CRI | Standard Output

707-WE-SL-4-48-XX-XX-XX-XX-X-X-Z-SO-XX-W6-X-WH-X

Reporting by Color Temperature	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	130	134	137	138
Total Lumens, 4' rail length (1219mm)	3369	3476	3546	3582
Lumens per foot (305mm)	842	869	887	895
Input Power (W), 4' rail length (1219mm)	26.0	26.0	26.0	26.0
Watts per foot (305mm)	6.5	6.5	6.5	6.5
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\_W6\_SO\_359\_WH-AL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L042412203 (SOURCE REPORT FOR REFERENCE)  
[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB  
[ISSUE DATE] 5/31/2024  
[MANUFAC] Vode Lighting LLC  
[LUMCAT] 707-WE-48-35-90-W6\_SO  
[LUMINAIRE] Wedge, Iso, diffuse, 48", 3500K, 90 CRI, 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	3546
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	26
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	2.70
Spacing Criterion (Diagonal)	2.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.13 ft
Luminous Height	0.25 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4347	4333	4791
55	7090	4777	5044
65	9533	5175	5270
75	10286	5163	5458
85	14649	5226	5629





**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 707\_WE\_W6\_SO\_359\_WH-AL.IES**

**CANDELA TABULATION - (Cont.)**

<b>140</b>	181.44	175.56	166.32	156.24	144.48	131.04	115.92	99.96	84.00	65.52
<b>145</b>	139.44	135.24	128.52	120.12	110.04	99.12	86.52	73.08	59.64	43.68
<b>150</b>	99.96	96.60	90.72	84.84	77.28	68.88	57.96	47.04	36.12	24.36
<b>155</b>	63.84	60.48	56.28	51.24	45.36	37.80	30.24	21.84	14.28	9.24
<b>160</b>	29.40	26.88	23.52	21.00	16.80	12.60	9.24	6.72	7.56	7.56
<b>165</b>	5.88	5.88	5.88	5.88	6.72	6.72	6.72	6.72	7.56	7.56
<b>170</b>	5.88	5.88	5.88	5.88	6.72	6.72	6.72	6.72	7.56	7.56
<b>175</b>	5.88	5.88	6.72	6.72	6.72	6.72	6.72	6.72	7.56	7.56
<b>180</b>	6.72	6.72	6.72	6.72	6.72	6.72	6.72	6.72	6.72	6.72

**Vert. Horizontal Angles**

	<u><b>150</b></u>	<u><b>155</b></u>	<u><b>160</b></u>	<u><b>165</b></u>	<u><b>170</b></u>	<u><b>175</b></u>	<u><b>180</b></u>
<b>0</b>	220.08	220.08	220.08	220.08	220.08	220.08	220.08
<b>5</b>	220.08	219.24	219.24	219.24	220.08	220.08	220.08
<b>10</b>	220.08	217.56	216.72	216.72	216.72	216.72	215.88
<b>15</b>	219.24	215.88	213.36	212.52	212.52	211.68	210.84
<b>20</b>	218.40	213.36	210.00	207.48	205.80	204.96	204.12
<b>25</b>	220.92	210.00	204.96	200.76	198.24	195.72	194.88
<b>30</b>	234.36	211.68	198.24	193.20	189.00	185.64	184.80
<b>35</b>	249.48	220.92	194.88	183.96	178.92	174.72	173.04
<b>40</b>	259.56	231.00	199.92	173.04	166.32	162.12	159.60
<b>45</b>	279.72	247.80	216.72	186.48	170.52	164.64	162.12
<b>50</b>	300.72	272.16	242.76	216.72	194.04	192.36	190.68
<b>55</b>	320.88	298.20	272.16	243.60	215.04	207.48	206.64
<b>60</b>	341.88	317.52	289.80	259.56	229.32	210.84	210.00
<b>65</b>	353.64	328.44	299.04	267.96	233.52	207.48	206.64
<b>70</b>	341.04	315.00	284.76	252.84	217.56	184.80	181.44
<b>75</b>	315.84	285.60	255.36	222.60	189.00	154.56	143.64
<b>80</b>	294.00	263.76	231.00	199.08	163.80	131.88	112.56
<b>85</b>	274.68	243.60	212.52	180.60	146.16	115.08	94.08
<b>90</b>	261.24	230.16	199.08	168.00	136.08	106.68	82.32
<b>95</b>	254.52	225.12	194.04	162.96	130.20	101.64	84.84
<b>100</b>	247.80	221.76	193.20	162.96	133.56	105.84	96.60
<b>105</b>	249.48	224.28	196.56	168.00	140.28	116.76	113.40
<b>110</b>	251.16	227.64	203.28	178.08	154.56	136.92	136.08
<b>115</b>	223.44	202.44	180.60	159.60	137.76	126.84	128.52
<b>120</b>	188.16	170.52	152.88	133.56	115.08	112.56	114.24
<b>125</b>	149.52	134.40	119.28	104.16	92.40	94.92	95.76
<b>130</b>	112.56	92.40	74.76	59.64	56.28	60.48	61.32
<b>135</b>	78.12	57.12	33.60	13.44	10.08	10.08	10.08
<b>140</b>	47.88	30.24	15.96	9.24	9.24	9.24	9.24
<b>145</b>	29.40	15.96	9.24	9.24	9.24	9.24	9.24
<b>150</b>	14.28	8.40	8.40	8.40	9.24	8.40	8.40
<b>155</b>	7.56	8.40	8.40	8.40	8.40	8.40	8.40
<b>160</b>	7.56	7.56	8.40	8.40	8.40	8.40	8.40
<b>165</b>	7.56	7.56	7.56	7.56	7.56	7.56	8.40
<b>170</b>	7.56	7.56	7.56	7.56	7.56	7.56	7.56
<b>175</b>	7.56	7.56	7.56	7.56	7.56	7.56	7.56
<b>180</b>	6.72	6.72	6.72	6.72	6.72	6.72	6.72

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 707\_WE\_W6\_SO\_359\_WH-AL.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	88.15	N.A.	2.50
0-30	213.08	N.A.	6.00
0-40	404.58	N.A.	11.40
0-60	1011.42	N.A.	28.50
0-80	1823.54	N.A.	51.40
0-90	2215.77	N.A.	62.50
10-90	2194.54	N.A.	61.90
20-40	316.42	N.A.	8.90
20-50	580.08	N.A.	16.40
40-70	1008.69	N.A.	28.40
60-80	812.12	N.A.	22.90
70-80	410.27	N.A.	11.60
80-90	392.23	N.A.	11.10
90-110	698.31	N.A.	19.70
90-120	974.56	N.A.	27.50
90-130	1164.51	N.A.	32.80
90-150	1312.55	N.A.	37.00
90-180	1330.63	N.A.	37.50
110-180	632.32	N.A.	17.80
0-180	3546.4	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	21.23
10-20	66.92
20-30	124.92
30-40	191.50
40-50	263.65
50-60	343.19
60-70	401.85
70-80	410.27
80-90	392.23
90-100	365.80
100-110	332.51
110-120	276.25
120-130	189.94
130-140	102.00
140-150	46.04
150-160	14.85
160-170	2.58
170-180	0.66

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 707\_WE\_W6\_SO\_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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	68	68	68	62
1	95	88	82	76	88	82	76	71	71	66	62	60	57	54	51	48	46	41
2	84	74	65	58	78	68	61	54	59	52	47	50	45	40	41	37	34	30
3	75	63	53	45	69	58	49	42	50	43	37	42	36	32	35	30	26	22
4	68	54	44	37	63	50	41	34	43	36	30	36	30	25	30	25	21	17
5	62	48	38	30	57	44	35	28	38	30	25	32	26	21	26	21	17	14
6	57	42	33	26	52	39	30	24	34	26	21	28	22	18	23	18	15	12
7	52	38	28	22	48	35	27	20	30	23	18	25	20	15	21	16	12	10
8	48	34	25	19	44	32	23	18	27	20	15	23	17	13	19	14	11	8
9	45	31	22	17	41	29	21	16	25	18	13	21	15	11	18	13	9	7
10	42	28	20	15	39	26	19	14	23	16	12	19	14	10	16	12	8	6

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 707\_WE\_W6\_SO\_359\_WH-AL.IES**

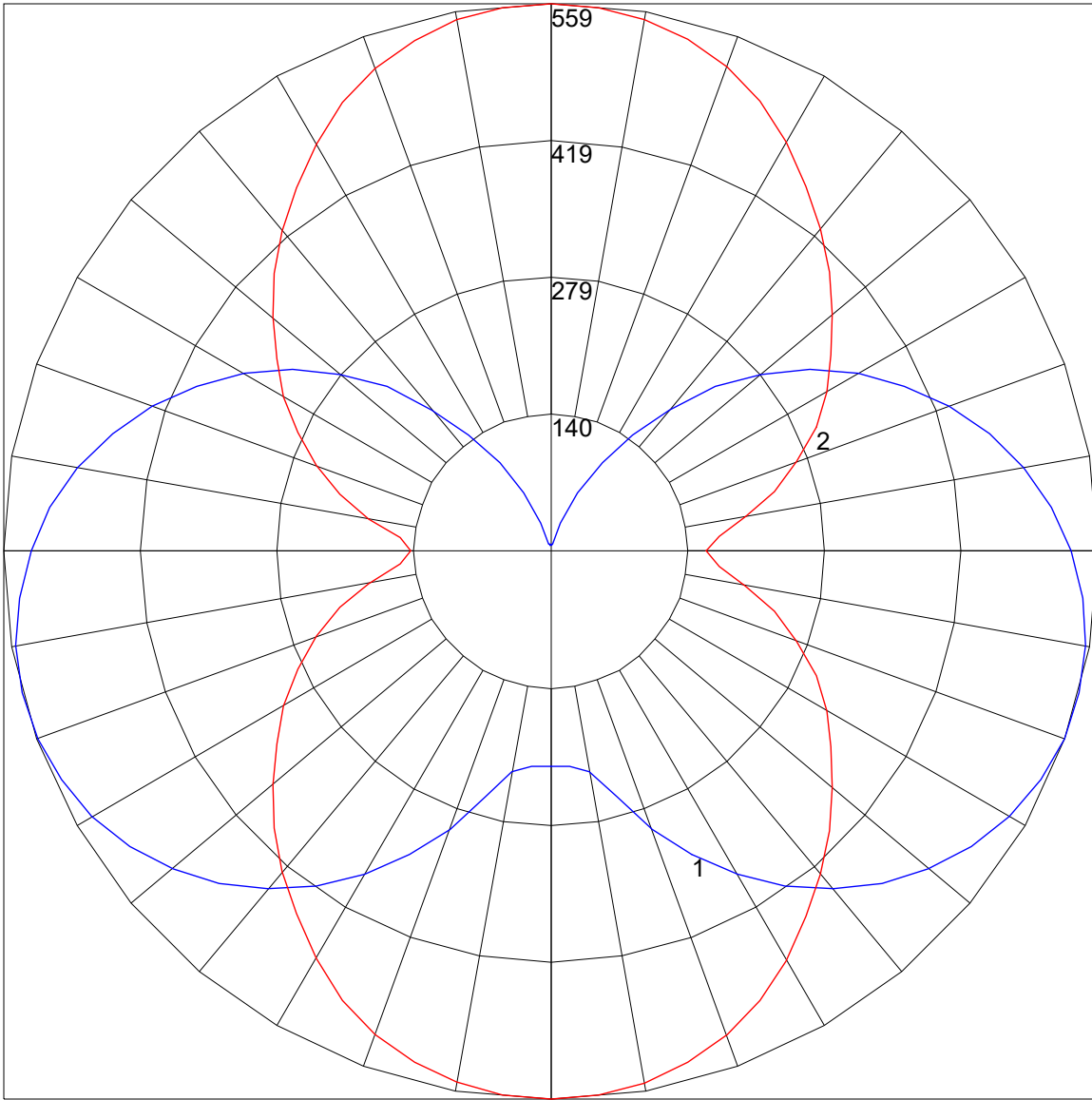
**UGR TABLE - CORRECTED**

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	11.9	13.0	12.7	13.9	15.0	18.2	19.4	19.0	20.3	21.3
	3H	14.1	15.2	14.9	16.1	17.2	22.0	23.1	22.9	24.0	25.1
	4H	14.9	15.9	15.7	16.8	17.9	24.0	25.0	24.8	25.9	27.0
	6H	15.5	16.4	16.3	17.3	18.4	26.1	27.0	26.9	27.9	29.0
	8H	15.7	16.6	16.5	17.5	18.6	27.1	28.1	28.0	29.0	30.1
	12H	15.9	16.8	16.7	17.7	18.8	28.3	29.2	29.2	30.1	31.2
4H	2H	14.1	15.1	14.9	16.0	17.1	18.5	19.5	19.3	20.4	21.5
	3H	16.5	17.4	17.3	18.3	19.4	22.5	23.4	23.3	24.3	25.4
	4H	17.4	18.2	18.3	19.1	20.3	24.5	25.4	25.4	26.3	27.4
	6H	18.1	18.8	19.0	19.8	20.9	26.8	27.5	27.7	28.5	29.6
	8H	18.4	19.1	19.2	20.0	21.2	28.0	28.7	28.8	29.6	30.8
	12H	18.6	19.2	19.5	20.2	21.4	29.3	29.9	30.2	30.8	32.0
8H	4H	18.9	19.6	19.8	20.6	21.7	24.7	25.4	25.6	26.3	27.5
	6H	19.9	20.5	20.8	21.5	22.6	27.1	27.7	28.0	28.6	29.8
	8H	20.3	20.9	21.2	21.8	23.0	28.3	28.9	29.3	29.9	31.0
	12H	20.7	21.2	21.6	22.1	23.3	29.8	30.3	30.7	31.2	32.5
12H	4H	19.4	20.1	20.3	21.0	22.2	24.7	25.3	25.6	26.3	27.4
	6H	20.6	21.1	21.5	22.1	23.3	27.1	27.6	28.0	28.6	29.8
	8H	21.1	21.6	22.0	22.6	23.8	28.4	28.9	29.3	29.9	31.1

Maximum UGR = 32.5



POLAR GRAPH



Maximum Candela = 558.6 Located At Horizontal Angle = 90, Vertical Angle = 75  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (75) (Through Max. Cd.)