

**IES Report**

**ZipTwo® | 707 | Diffuse with MicroBaffle | 80 CRI | HO**

707-Z2-4-48-XX-XX-X-0-Z-HO-35-D4-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	134	139	141	144
Total Lumens, 4' rail length (1219mm)	5270	5436	5547	5658
Lumens per foot (305mm)	1317	1359	1387	1415
Input Power (W), 4' rail length (1219mm)	39.4	39.4	39.4	39.4
Watts per foot (305mm)	9.9	9.9	9.9	9.9
CRI	85	85	85	85

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 : VODE\_707\_Z2\_HO\_35\_D4.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L121800102 (SOURCE REPORT FOR REFERENCE)  
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB  
[ISSUEDATE] 12/14/2018  
[MANUFAC] Vode Lighting  
[LUMCAT] 707-Z2-48-HO-35-D4-AL  
[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,  
[MORE] diffuse lens w/microbaffle, high output  
[TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5547
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	39.36
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.10 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	54008	47450	40549
55	47106	39583	32482
65	39886	32730	26432
75	33811	27579	21814
85	37016	29150	19433

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**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>	2440.5	2440.5	2440.5	2440.5	2440.5	2440.5	2440.5	2440.5	2440.5	2440.5
<b>5</b>	2428.5	2430.0	2430.0	2428.5	2428.5	2428.5	2428.5	2427.0	2427.0	2427.0
<b>10</b>	2394.0	2392.5	2392.5	2392.5	2391.0	2389.5	2388.0	2386.5	2385.0	2382.0
<b>15</b>	2331.0	2331.0	2329.5	2328.0	2325.0	2322.0	2319.0	2314.5	2310.0	2305.5
<b>20</b>	2242.5	2241.0	2239.5	2236.5	2232.0	2226.0	2220.0	2211.0	2203.5	2194.5
<b>25</b>	2125.5	2124.0	2121.0	2116.5	2109.0	2101.5	2091.0	2077.5	2064.0	2050.5
<b>30</b>	1981.5	1980.0	1977.0	1969.5	1960.5	1948.5	1933.5	1915.5	1897.5	1876.5
<b>35</b>	1813.5	1812.0	1806.0	1798.5	1786.5	1771.5	1752.0	1728.0	1704.0	1678.5
<b>40</b>	1624.5	1623.0	1615.5	1606.5	1593.0	1573.5	1551.0	1524.0	1495.5	1464.0
<b>45</b>	1420.5	1419.0	1413.0	1401.0	1386.0	1366.5	1341.0	1312.5	1281.0	1248.0
<b>50</b>	1212.0	1210.5	1203.0	1192.5	1177.5	1156.5	1131.0	1102.5	1071.0	1039.5
<b>55</b>	1005.0	1003.5	997.5	987.0	972.0	952.5	930.0	903.0	873.0	844.5
<b>60</b>	807.0	805.5	801.0	792.0	778.5	762.0	741.0	718.5	694.5	669.0
<b>65</b>	627.0	625.5	621.0	613.5	603.0	589.5	571.5	553.5	534.0	514.5
<b>70</b>	465.0	463.5	460.5	454.5	447.0	436.5	424.5	409.5	394.5	381.0
<b>75</b>	325.5	325.5	322.5	318.0	312.0	306.0	297.0	286.5	276.0	265.5
<b>80</b>	211.5	211.5	210.0	207.0	202.5	198.0	192.0	186.0	178.5	172.5
<b>85</b>	120.0	120.0	118.5	117.0	115.5	111.0	108.0	103.5	99.0	94.5
<b>90</b>	51.0	51.0	49.5	49.5	46.5	45.0	43.5	40.5	37.5	33.0
<b>95</b>	34.5	34.5	34.5	33.0	33.0	31.5	30.0	28.5	25.5	24.0
<b>100</b>	33.0	33.0	33.0	33.0	31.5	30.0	28.5	27.0	24.0	22.5
<b>105</b>	33.0	33.0	31.5	31.5	30.0	28.5	27.0	25.5	24.0	22.5
<b>110</b>	31.5	31.5	31.5	30.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>115</b>	31.5	31.5	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>120</b>	30.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>125</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>130</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>135</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>140</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>145</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>150</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>155</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>160</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>165</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>170</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>175</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>180</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**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>
<b>0</b>	2440.5	2440.5	2440.5	2440.5	2440.5	2440.5	2440.5	2440.5	2440.5
<b>5</b>	2427.0	2425.5	2425.5	2425.5	2425.5	2425.5	2425.5	2425.5	2425.5
<b>10</b>	2380.5	2379.0	2377.5	2376.0	2374.5	2373.0	2373.0	2371.5	2371.5
<b>15</b>	2301.0	2296.5	2292.0	2287.5	2283.0	2280.0	2278.5	2277.0	2277.0
<b>20</b>	2185.5	2176.5	2167.5	2160.0	2152.5	2148.0	2142.0	2140.5	2139.0
<b>25</b>	2035.5	2020.5	2007.0	1995.0	1983.0	1974.0	1966.5	1962.0	1962.0
<b>30</b>	1855.5	1834.5	1815.0	1795.5	1780.5	1767.0	1758.0	1752.0	1750.5
<b>35</b>	1651.5	1624.5	1599.0	1576.5	1557.0	1542.0	1530.0	1522.5	1521.0
<b>40</b>	1432.5	1402.5	1374.0	1348.5	1327.5	1309.5	1297.5	1290.0	1287.0
<b>45</b>	1215.0	1183.5	1153.5	1128.0	1105.5	1089.0	1075.5	1068.0	1066.5
<b>50</b>	1006.5	976.5	948.0	924.0	904.5	888.0	876.0	868.5	867.0
<b>55</b>	816.0	789.0	763.5	742.5	724.5	711.0	700.5	694.5	693.0
<b>60</b>	645.0	622.5	601.5	585.0	570.0	559.5	550.5	546.0	544.5

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**CANDELA TABULATION - (Cont.)**

<b>65</b>	495.0	478.5	462.0	448.5	436.5	427.5	421.5	417.0	415.5
<b>70</b>	366.0	354.0	342.0	331.5	322.5	315.0	310.5	306.0	306.0
<b>75</b>	256.5	247.5	238.5	231.0	225.0	219.0	214.5	211.5	210.0
<b>80</b>	165.0	159.0	153.0	147.0	142.5	138.0	135.0	132.0	132.0
<b>85</b>	90.0	87.0	82.5	78.0	73.5	70.5	67.5	64.5	63.0
<b>90</b>	30.0	27.0	24.0	19.5	16.5	13.5	10.5	7.5	6.0
<b>95</b>	21.0	19.5	16.5	13.5	10.5	7.5	6.0	3.0	3.0
<b>100</b>	21.0	18.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>105</b>	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>110</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>115</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>120</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>125</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>130</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>135</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>140</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>145</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>150</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>155</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>160</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>165</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>170</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>175</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>180</b>	0.0	0.0	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	878.94	N.A.	15.80
0-30	1819.4	N.A.	32.80
0-40	2863.95	N.A.	51.60
0-60	4588.75	N.A.	82.70
0-80	5394.91	N.A.	97.30
0-90	5501.72	N.A.	99.20
10-90	5271.47	N.A.	95.00
20-40	1985.02	N.A.	35.80
20-50	2948.00	N.A.	53.10
40-70	2242.94	N.A.	40.40
60-80	806.15	N.A.	14.50
70-80	288.01	N.A.	5.20
80-90	106.81	N.A.	1.90
90-110	40.62	N.A.	0.70
90-120	44.89	N.A.	0.80
90-130	45.47	N.A.	0.80
90-150	45.47	N.A.	0.80
90-180	45.47	N.A.	0.80
110-180	4.85	N.A.	0.10
0-180	5547.19	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	230.25
10-20	648.69
20-30	940.47
30-40	1044.55
40-50	962.98
50-60	761.82
60-70	518.14
70-80	288.01
80-90	106.81
90-100	25.59
100-110	15.04
110-120	4.27
120-130	0.58
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

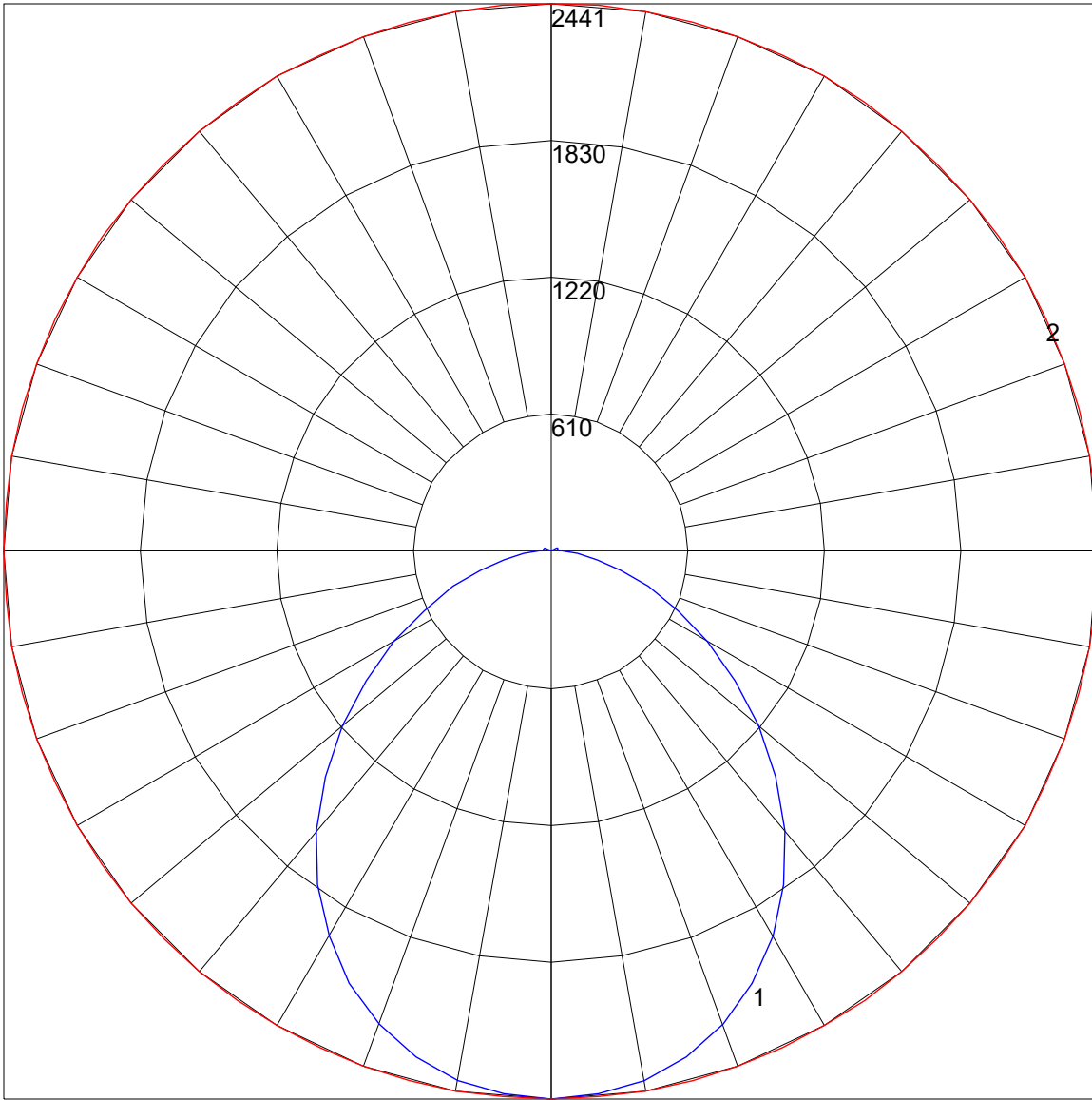
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	109	105	101	97	107	102	99	96	98	95	92	94	92	89	90	88	87	85
2	100	92	86	81	98	90	85	80	87	82	78	84	79	76	80	77	74	72
3	92	82	74	68	89	80	73	68	77	71	66	75	69	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47
6	73	60	51	45	71	59	51	45	57	50	45	55	49	44	54	48	44	42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	49	44	39	37
8	63	50	42	36	61	49	42	36	48	41	36	47	40	36	45	40	35	34
9	59	46	38	33	58	46	38	33	44	37	33	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	29	28

POLAR GRAPH



Maximum Candela = 2440.5 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)