

**IES Report**

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | Soft Diffuse, down | 90 CRI | HO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-359-U2D2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	93	96	98	100
Total Lumens, 4' rail length (1219mm)	9890	10202	10410	10618
Lumens per foot (305mm)	2472	2551	2603	2655
Lumens per foot UP (305mm)	5578	5754	5871	5989
Lumens per foot DOWN (305mm)	4312	4448	4539	4630
Input Power (W), 4' rail length (1219mm)	107.2	107.2	107.2	107.2
Watts per foot (305mm)	26.8	26.8	26.8	26.8
CRI*	96	96	96	96

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](#).

\* R9: ~74 @ 3500K



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707-Z3-CC-HO-359-U2D2-BL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L081800704 (SOURCE REPORT FOR REFERENCE)  
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB  
[ISSUEDATE] 8/15/2018  
[MANUFAC] Vode Lighting  
[LUMCAT] 707-Z3-CC-Z-HO-359-U2D2-BL  
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,  
[MORE] symmetric lens with edgeglow up/soft diffuse lens down, high output, black anodized finish  
[TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10410
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	107.2
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.25 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.02 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14742	14964	15699
55	13779	14074	15068
65	12504	12805	14063
75	10456	10833	12322
85	6368	6809	9536

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>	1582.7	1582.7	1582.7	1582.7	1582.7	1582.7	1582.7	1582.7	1582.7	1582.7
<b>5</b>	1577.0	1575.1	1577.0	1575.1	1577.0	1577.0	1577.0	1575.1	1577.0	1575.1
<b>10</b>	1554.2	1554.2	1554.2	1554.2	1554.2	1554.2	1554.2	1554.2	1554.2	1554.2
<b>15</b>	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1
<b>20</b>	1468.7	1468.7	1468.7	1468.7	1468.7	1468.7	1468.7	1468.7	1466.8	1466.8
<b>25</b>	1406.0	1406.0	1406.0	1406.0	1406.0	1406.0	1406.0	1404.1	1404.1	1404.1
<b>30</b>	1331.9	1331.9	1331.9	1331.9	1330.0	1330.0	1330.0	1330.0	1328.1	1328.1
<b>35</b>	1246.4	1246.4	1246.4	1246.4	1246.4	1244.5	1244.5	1244.5	1242.6	1242.6
<b>40</b>	1151.4	1151.4	1151.4	1151.4	1149.5	1149.5	1149.5	1147.6	1147.6	1147.6
<b>45</b>	1046.9	1046.9	1046.9	1046.9	1046.9	1045.0	1045.0	1045.0	1043.1	1043.1
<b>50</b>	936.7	936.7	936.7	936.7	934.8	934.8	934.8	932.9	932.9	931.0
<b>55</b>	818.9	820.8	818.9	818.9	818.9	818.9	817.0	817.0	815.1	815.1
<b>60</b>	699.2	699.2	697.3	697.3	697.3	697.3	695.4	693.5	693.5	691.6
<b>65</b>	575.7	575.7	573.8	573.8	573.8	571.9	571.9	570.0	570.0	568.1
<b>70</b>	450.3	450.3	450.3	448.4	448.4	448.4	446.5	444.6	442.7	442.7
<b>75</b>	326.8	326.8	326.8	326.8	324.9	324.9	323.0	321.1	321.1	319.2
<b>80</b>	209.0	209.0	209.0	207.1	207.1	207.1	205.2	203.3	201.4	199.5
<b>85</b>	98.8	98.8	98.8	98.8	98.8	96.9	96.9	96.9	95.0	93.1
<b>90</b>	24.7	22.8	22.8	22.8	20.9	20.9	19.0	17.1	15.2	13.3
<b>95</b>	74.1	74.1	74.1	74.1	72.2	72.2	70.3	70.3	68.4	66.5
<b>100</b>	152.0	152.0	152.0	152.0	152.0	153.9	153.9	153.9	155.8	155.8
<b>105</b>	250.8	252.7	252.7	254.6	256.5	258.4	260.3	264.1	267.9	269.8
<b>110</b>	380.0	380.0	381.9	383.8	387.6	391.4	397.1	402.8	408.5	414.2
<b>115</b>	537.7	539.6	541.5	545.3	549.1	554.8	562.4	570.0	577.6	587.1
<b>120</b>	725.8	725.8	729.6	733.4	739.1	746.7	754.3	763.8	775.2	784.7
<b>125</b>	938.6	938.6	942.4	948.1	953.8	961.4	970.9	980.4	991.8	1003.2
<b>130</b>	1166.6	1166.6	1170.4	1174.2	1181.8	1189.4	1198.9	1208.4	1217.9	1227.4
<b>135</b>	1394.6	1394.6	1398.4	1402.2	1407.9	1413.6	1421.2	1428.8	1436.4	1444.0
<b>140</b>	1605.5	1607.4	1609.3	1611.2	1615.0	1618.8	1622.6	1626.4	1632.1	1635.9
<b>145</b>	1784.1	1786.0	1786.0	1787.9	1789.8	1791.7	1793.6	1795.5	1797.4	1799.3
<b>150</b>	1930.4	1930.4	1930.4	1932.3	1932.3	1932.3	1934.2	1934.2	1936.1	1938.0
<b>155</b>	2044.4	2044.4	2044.4	2046.3	2046.3	2046.3	2046.3	2048.2	2050.1	2052.0
<b>160</b>	2137.5	2137.5	2137.5	2137.5	2137.5	2139.4	2139.4	2141.3	2141.3	2141.3
<b>165</b>	2207.8	2209.7	2209.7	2209.7	2209.7	2209.7	2209.7	2209.7	2209.7	2209.7
<b>170</b>	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2
<b>175</b>	2283.8	2283.8	2283.8	2283.8	2283.8	2283.8	2283.8	2283.8	2283.8	2283.8
<b>180</b>	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3

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>	1582.7	1582.7	1582.7	1582.7	1582.7	1582.7	1582.7	1582.7	1582.7
<b>5</b>	1575.1	1575.1	1575.1	1575.1	1575.1	1575.1	1575.1	1575.1	1575.1
<b>10</b>	1554.2	1554.2	1554.2	1554.2	1554.2	1554.2	1554.2	1554.2	1552.3
<b>15</b>	1518.1	1518.1	1518.1	1518.1	1516.2	1516.2	1516.2	1516.2	1516.2
<b>20</b>	1466.8	1466.8	1466.8	1466.8	1464.9	1464.9	1464.9	1464.9	1464.9
<b>25</b>	1404.1	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1402.2	1400.3
<b>30</b>	1328.1	1326.2	1326.2	1326.2	1326.2	1324.3	1324.3	1324.3	1324.3
<b>35</b>	1242.6	1240.7	1240.7	1240.7	1240.7	1238.8	1238.8	1238.8	1238.8
<b>40</b>	1145.7	1145.7	1143.8	1143.8	1143.8	1141.9	1141.9	1141.9	1141.9
<b>45</b>	1041.2	1041.2	1041.2	1039.3	1039.3	1037.4	1037.4	1037.4	1037.4
<b>50</b>	931.0	929.1	929.1	929.1	927.2	927.2	927.2	927.2	927.2
<b>55</b>	813.2	811.3	811.3	811.3	809.4	809.4	809.4	809.4	809.4
<b>60</b>	691.6	689.7	687.8	687.8	687.8	685.9	685.9	685.9	685.9

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**CANDELA TABULATION - (Cont.)**

<b>65</b>	566.2	564.3	562.4	562.4	560.5	560.5	558.6	558.6	558.6
<b>70</b>	440.8	438.9	437.0	435.1	433.2	431.3	429.4	429.4	429.4
<b>75</b>	317.3	313.5	311.6	309.7	307.8	305.9	304.0	302.1	302.1
<b>80</b>	197.6	195.7	193.8	191.9	188.1	186.2	184.3	182.4	182.4
<b>85</b>	93.1	91.2	89.3	87.4	85.5	83.6	83.6	81.7	81.7
<b>90</b>	11.4	9.5	7.6	7.6	5.7	3.8	3.8	1.9	1.9
<b>95</b>	66.5	64.6	62.7	62.7	60.8	58.9	58.9	57.0	57.0
<b>100</b>	155.8	157.7	157.7	157.7	157.7	157.7	157.7	155.8	155.8
<b>105</b>	273.6	277.4	281.2	283.1	285.0	285.0	285.0	285.0	285.0
<b>110</b>	419.9	425.6	431.3	437.0	438.9	440.8	442.7	442.7	442.7
<b>115</b>	594.7	602.3	609.9	617.5	621.3	625.1	627.0	627.0	627.0
<b>120</b>	796.1	805.6	813.2	820.8	826.5	830.3	832.2	834.1	834.1
<b>125</b>	1014.6	1024.1	1031.7	1039.3	1045.0	1048.8	1050.7	1052.6	1054.5
<b>130</b>	1236.9	1244.5	1252.1	1257.8	1263.5	1267.3	1269.2	1271.1	1271.1
<b>135</b>	1449.7	1455.4	1459.2	1464.9	1468.7	1470.6	1472.5	1474.4	1476.3
<b>140</b>	1639.7	1641.6	1645.4	1649.2	1653.0	1654.9	1656.8	1656.8	1658.7
<b>145</b>	1803.1	1805.0	1808.8	1810.7	1812.6	1814.5	1814.5	1816.4	1816.4
<b>150</b>	1939.9	1941.8	1943.7	1945.6	1945.6	1947.5	1947.5	1947.5	1949.4
<b>155</b>	2053.9	2053.9	2055.8	2055.8	2055.8	2055.8	2057.7	2057.7	2057.7
<b>160</b>	2143.2	2143.2	2143.2	2143.2	2143.2	2143.2	2145.1	2145.1	2145.1
<b>165</b>	2209.7	2211.6	2209.7	2211.6	2211.6	2211.6	2211.6	2211.6	2211.6
<b>170</b>	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2
<b>175</b>	2283.8	2283.8	2283.8	2283.8	2283.8	2283.8	2283.8	2283.8	2283.8
<b>180</b>	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	577.92	N.A.	5.60
0-30	1224.78	N.A.	11.80
0-40	2002.01	N.A.	19.20
0-60	3534.16	N.A.	33.90
0-80	4431.34	N.A.	42.60
0-90	4539.09	N.A.	43.60
10-90	4389.37	N.A.	42.20
20-40	1424.09	N.A.	13.70
20-50	2228.36	N.A.	21.40
40-70	2093.56	N.A.	20.10
60-80	897.18	N.A.	8.60
70-80	335.78	N.A.	3.20
80-90	107.75	N.A.	1.00
90-110	374.51	N.A.	3.60
90-120	959.92	N.A.	9.20
90-130	1855.25	N.A.	17.80
90-150	4085.74	N.A.	39.20
90-180	5871.21	N.A.	56.40
110-180	5496.69	N.A.	52.80
0-180	10410.3	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	149.72
10-20	428.20
20-30	646.86
30-40	777.22
40-50	804.27
50-60	727.88
60-70	561.41
70-80	335.78
80-90	107.75
90-100	82.17
100-110	292.35
110-120	585.40
120-130	895.33
130-140	1106.79
140-150	1123.7
150-160	944.66
160-170	623.65
170-180	217.16

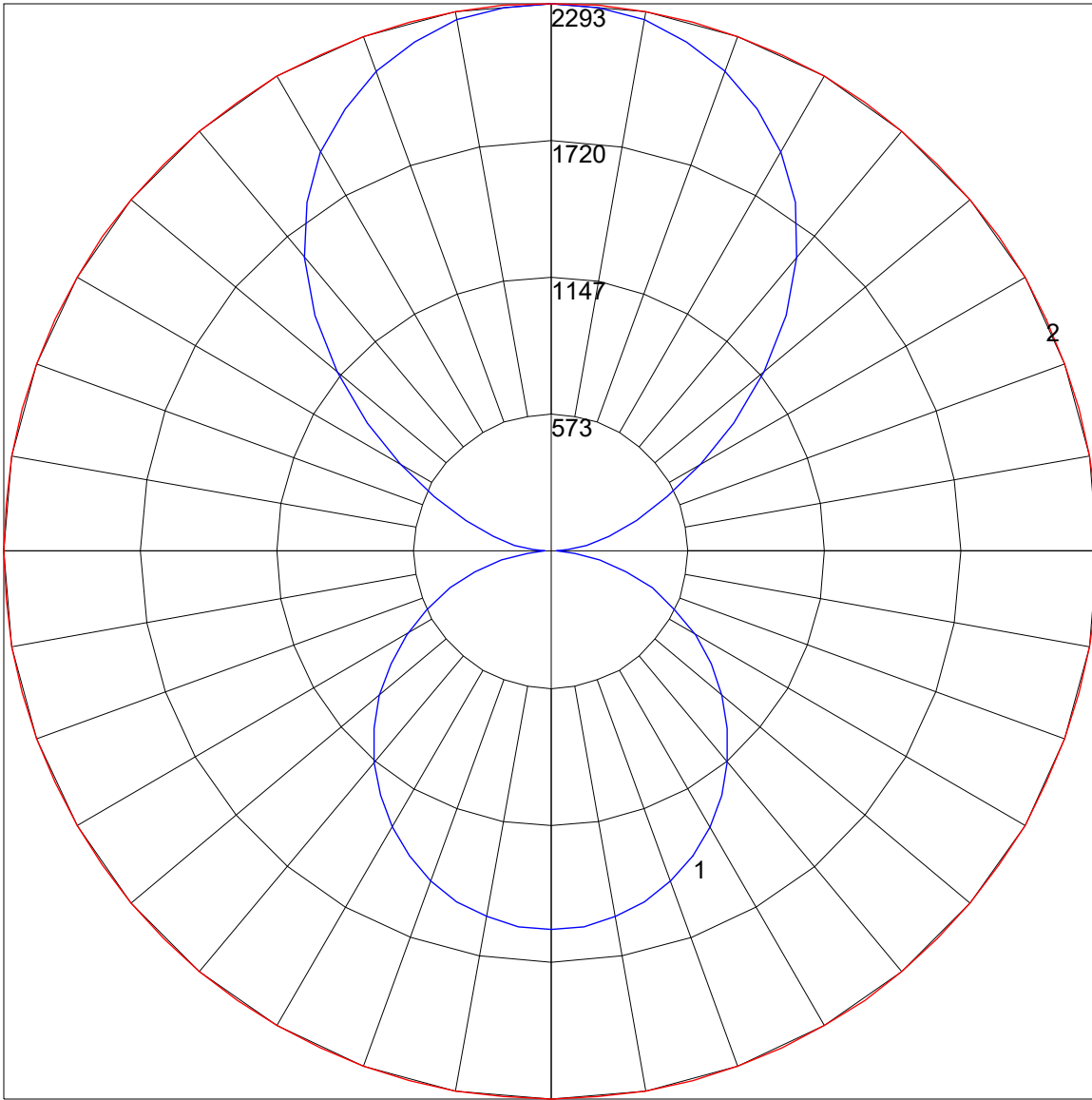
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44
1	96	92	88	84	88	84	81	78	70	67	65	56	55	53	44	43	42	36
2	87	80	74	68	80	73	68	63	61	57	53	49	46	44	39	37	35	30
3	80	70	63	57	72	64	58	53	53	49	45	43	40	37	34	32	30	25
4	73	62	54	48	66	57	50	44	47	42	38	38	35	32	30	28	25	22
5	67	55	47	41	61	51	43	38	42	37	33	34	30	27	27	24	22	19
6	61	49	41	35	56	45	38	33	38	32	28	31	27	24	25	22	19	16
7	57	44	36	31	52	41	34	29	34	29	25	28	24	21	22	19	17	14
8	52	40	32	27	48	37	30	25	31	26	22	26	22	19	21	17	15	13
9	49	37	29	24	45	34	27	23	29	23	20	24	20	17	19	16	14	11
10	46	33	26	22	42	31	25	20	26	21	18	22	18	15	18	15	12	10

POLAR GRAPH



Maximum Candela = 2293.3 Located At Horizontal Angle = 0, Vertical Angle = 180  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)