

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | 60° Symmetric, down | 90 CRI | HO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-359-U2S2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	75	77	79	82
Total Lumens, 4' rail length (1219mm)	7995	8248	8416	8584
Lumens per foot (305mm)	1999	2062	2104	2146
Lumens per foot UP (305mm)	1386	1430	1459	1414
Lumens per foot DOWN (305mm)	613	632	645	625
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_U2S2_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L031805810 (SOURCE REPORT FOR REFERENCE)
 [TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
 [ISSUEDATE] 4/12/2018
 [MANUFAC] Vode Lighting
 [LUMCAT] 707-Z3-CC-Z-HO-359-U2S2-BL
 [LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,
 [MORE] symmetric lens with edgeglow up/60° symmetric 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	8416
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	107.19
Ballast Factor	1.00
CIE Type	Semi-Indirect
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)	3.98 ft
Luminous Height	0.02 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3092	6095	11269
55	1414	3000	6114
65	747	1549	3269
75	428	842	1869
85	246	419	891

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>
0.0	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3
1.0	2082.4	2082.4	2082.4	2082.4	2082.4	2082.4	2082.4	2082.4	2082.4	2082.4
3.0	2071.0	2071.0	2071.0	2071.0	2071.0	2072.9	2072.9	2072.9	2072.9	2074.8
5.0	2046.3	2046.3	2048.2	2048.2	2050.1	2052.0	2053.9	2055.8	2057.7	2059.6
7.0	2010.2	2010.2	2012.1	2014.0	2015.9	2019.7	2021.6	2025.4	2031.1	2034.9
9.0	1960.8	1962.7	1964.6	1966.5	1970.3	1976.0	1981.7	1989.3	1995.0	2002.6
11.0	1898.1	1898.1	1901.9	1905.7	1913.3	1920.9	1930.4	1939.9	1951.3	1960.8
13.0	1820.2	1822.1	1825.9	1833.5	1843.0	1854.4	1865.8	1881.0	1896.2	1911.4
15.0	1730.9	1732.8	1738.5	1748.0	1759.4	1774.6	1791.7	1812.6	1831.6	1852.5
17.0	1626.4	1628.3	1635.9	1647.3	1664.4	1683.4	1706.2	1730.9	1757.5	1782.2
19.5	1482.0	1485.8	1495.3	1510.5	1529.5	1556.1	1584.6	1616.9	1651.1	1685.3
22.5	1290.1	1295.8	1307.2	1326.2	1350.9	1383.2	1419.3	1461.1	1504.8	1546.6
25.5	1092.5	1096.3	1109.6	1130.5	1160.9	1197.0	1240.7	1288.2	1341.4	1396.5
29.0	866.4	870.2	885.4	908.2	938.6	978.5	1026.0	1081.1	1141.9	1204.6
33.0	636.5	640.3	653.6	676.4	706.8	744.8	792.3	849.3	912.0	978.5
37.5	431.3	435.1	444.6	463.6	490.2	524.4	564.3	615.6	674.5	737.2
42.5	269.8	271.7	281.2	294.5	313.5	338.2	370.5	410.4	457.9	509.2
47.5	167.2	169.1	174.8	184.3	197.6	214.7	237.5	264.1	298.3	336.3
55.0	83.6	83.6	87.4	91.2	98.8	108.3	119.7	134.9	152.0	172.9
65.0	34.2	34.2	36.1	38.0	39.9	43.7	47.5	55.1	60.8	68.4
75.0	13.3	13.3	13.3	15.2	15.2	17.1	19.0	20.9	22.8	24.7
85.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.7	5.7
90.0	24.7	24.7	22.8	22.8	22.8	20.9	19.0	17.1	15.2	13.3
95.0	74.1	74.1	72.2	72.2	72.2	70.3	70.3	68.4	66.5	66.5
100.0	150.1	152.0	152.0	152.0	152.0	152.0	152.0	153.9	153.9	155.8
105.0	250.8	250.8	252.7	252.7	254.6	256.5	260.3	264.1	266.0	269.8
110.0	378.1	378.1	380.0	381.9	385.7	389.5	395.2	400.9	406.6	412.3
115.0	535.8	535.8	537.7	541.5	545.3	551.0	556.7	566.2	573.8	583.3
120.0	720.1	722.0	723.9	727.7	733.4	741.0	748.6	758.1	767.6	779.0
125.0	931.0	931.0	934.8	938.6	944.3	953.8	961.4	972.8	982.3	993.7
130.0	1155.2	1157.1	1159.0	1164.7	1170.4	1178.0	1187.5	1197.0	1206.5	1216.0
135.0	1381.3	1383.2	1385.1	1388.9	1394.6	1402.2	1407.9	1415.5	1423.1	1430.7
140.0	1592.2	1592.2	1594.1	1597.9	1601.7	1605.5	1609.3	1615.0	1618.8	1624.5
145.0	1772.7	1772.7	1774.6	1776.5	1778.4	1780.3	1782.2	1784.1	1787.9	1789.8
150.0	1920.9	1920.9	1920.9	1920.9	1922.8	1922.8	1924.7	1926.6	1926.6	1928.5
155.0	2036.8	2036.8	2036.8	2036.8	2038.7	2038.7	2038.7	2040.6	2042.5	2042.5
160.0	2129.9	2129.9	2129.9	2129.9	2131.8	2131.8	2131.8	2133.7	2133.7	2135.6
165.0	2202.1	2202.1	2202.1	2202.1	2202.1	2202.1	2204.0	2204.0	2204.0	2204.0
170.0	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5
175.0	2278.1	2278.1	2278.1	2280.0	2278.1	2280.0	2280.0	2280.0	2280.0	2280.0
180.0	2289.5	2289.5	2289.5	2289.5	2289.5	2289.5	2289.5	2289.5	2289.5	2289.5

Vert. 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>
0.0	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3	2084.3
1.0	2082.4	2082.4	2082.4	2082.4	2082.4	2084.3	2082.4	2082.4	2084.3
3.0	2074.8	2076.7	2076.7	2078.6	2078.6	2078.6	2078.6	2078.6	2078.6
5.0	2061.5	2063.4	2065.3	2067.2	2067.2	2069.1	2071.0	2071.0	2071.0
7.0	2038.7	2042.5	2046.3	2050.1	2053.9	2055.8	2057.7	2059.6	2059.6
9.0	2010.2	2015.9	2023.5	2029.2	2033.0	2036.8	2040.6	2042.5	2042.5
11.0	1972.2	1981.7	1991.2	2000.7	2006.4	2014.0	2017.8	2019.7	2021.6
13.0	1926.6	1939.9	1953.2	1966.5	1976.0	1983.6	1989.3	1993.1	1995.0
15.0	1873.4	1892.4	1909.5	1924.7	1938.0	1949.4	1957.0	1960.8	1962.7

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CANDELA TABULATION - (Cont.)

17.0	1808.8	1833.5	1856.3	1877.2	1894.3	1907.6	1917.1	1922.8	1924.7
19.5	1719.5	1751.8	1780.3	1808.8	1829.7	1846.8	1860.1	1867.7	1867.7
22.5	1592.2	1635.9	1673.9	1708.1	1736.6	1759.4	1774.6	1784.1	1787.9
25.5	1449.7	1502.9	1550.4	1594.1	1628.3	1656.8	1675.8	1687.2	1691.0
29.0	1269.2	1330.0	1387.0	1438.3	1480.1	1514.3	1539.0	1552.3	1558.0
33.0	1048.8	1117.2	1181.8	1240.7	1290.1	1328.1	1354.7	1369.9	1375.6
37.5	805.6	874.0	940.5	1001.3	1052.6	1092.5	1121.0	1136.2	1141.9
42.5	566.2	627.0	684.0	739.1	786.6	822.7	849.3	864.5	868.3
47.5	378.1	423.7	469.3	511.1	547.2	577.6	596.6	608.0	613.7
55.0	195.7	220.4	243.2	267.9	288.8	304.0	317.3	324.9	326.8
65.0	77.9	87.4	96.9	104.5	112.1	119.7	123.5	127.3	129.2
75.0	28.5	30.4	34.2	38.0	39.9	41.8	43.7	45.6	45.6
85.0	5.7	5.7	5.7	7.6	7.6	7.6	7.6	7.6	7.6
90.0	11.4	11.4	9.5	7.6	5.7	5.7	3.8	3.8	1.9
95.0	64.6	62.7	62.7	60.8	58.9	58.9	57.0	57.0	55.1
100.0	155.8	155.8	157.7	157.7	157.7	157.7	157.7	155.8	155.8
105.0	273.6	277.4	279.3	281.2	283.1	285.0	285.0	285.0	285.0
110.0	418.0	423.7	429.4	435.1	438.9	440.8	440.8	440.8	440.8
115.0	592.8	600.4	608.0	613.7	617.5	621.3	621.3	623.2	623.2
120.0	788.5	799.9	807.5	815.1	820.8	824.6	826.5	828.4	828.4
125.0	1005.1	1014.6	1022.2	1029.8	1035.5	1041.2	1043.1	1045.0	1045.0
130.0	1225.5	1235.0	1240.7	1246.4	1252.1	1255.9	1257.8	1259.7	1261.6
135.0	1438.3	1444.0	1447.8	1453.5	1457.3	1459.2	1463.0	1463.0	1464.9
140.0	1628.3	1632.1	1635.9	1639.7	1641.6	1643.5	1645.4	1647.3	1647.3
145.0	1791.7	1795.5	1797.4	1801.2	1803.1	1803.1	1805.0	1805.0	1806.9
150.0	1930.4	1932.3	1936.1	1936.1	1938.0	1938.0	1939.9	1939.9	1939.9
155.0	2044.4	2046.3	2046.3	2048.2	2048.2	2048.2	2050.1	2050.1	2050.1
160.0	2135.6	2135.6	2135.6	2137.5	2137.5	2137.5	2137.5	2137.5	2137.5
165.0	2204.0	2204.0	2204.0	2204.0	2204.0	2204.0	2204.0	2204.0	2204.0
170.0	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5
175.0	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0	2280.0
180.0	2289.5	2289.5	2289.5	2289.5	2289.5	2289.5	2289.5	2289.5	2289.5

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	679.68	N.A.	8.10
0-30	1295.07	N.A.	15.40
0-40	1794.18	N.A.	21.30
0-60	2378.14	N.A.	28.30
0-80	2556.67	N.A.	30.40
0-90	2579.72	N.A.	30.70
10-90	2421.66	N.A.	28.80
20-40	1114.5	N.A.	13.20
20-50	1520.5	N.A.	18.10
40-70	709.67	N.A.	8.40
60-80	178.52	N.A.	2.10
70-80	52.82	N.A.	0.60
80-90	23.05	N.A.	0.30
90-110	372.94	N.A.	4.40
90-120	954.69	N.A.	11.30
90-130	1842.38	N.A.	21.90
90-150	4057.01	N.A.	48.20
90-180	5836.38	N.A.	69.30
110-180	5463.44	N.A.	64.90
0-180	8416.1	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	158.06
10-20	521.62
20-30	615.39
30-40	499.11
40-50	406.01
50-60	177.96
60-70	125.70
70-80	52.82
80-90	23.05
90-100	81.61
100-110	291.33
110-120	581.76
120-130	887.69
130-140	1097.66
140-150	1116.97
150-160	940.91
160-170	621.75
170-180	216.72

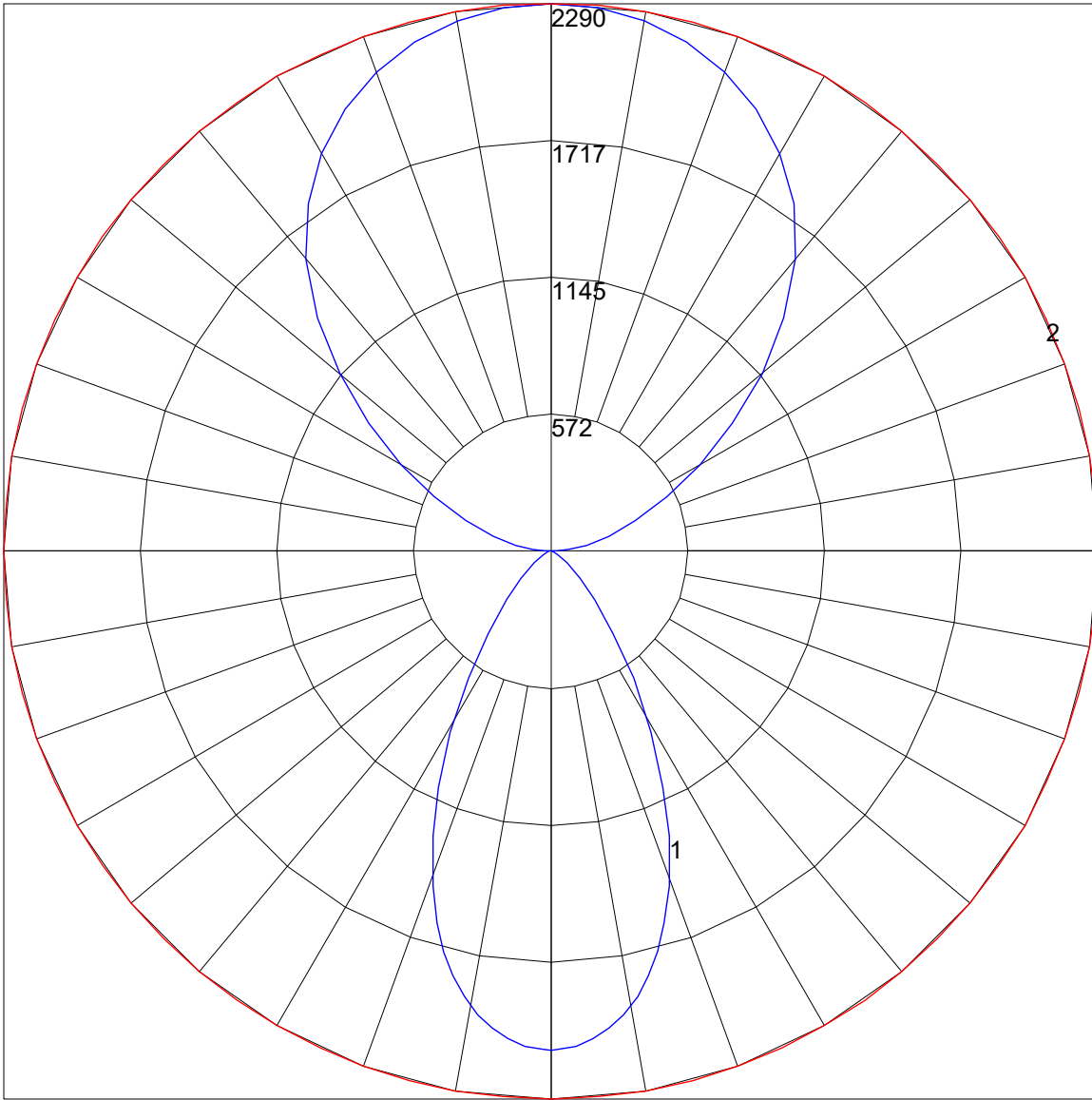
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	38	38	38	31
1	94	90	87	84	85	81	79	76	65	63	61	49	48	47	35	34	34	27
2	87	80	74	70	78	72	68	64	58	55	52	44	42	41	32	31	30	24
3	80	71	65	59	71	64	59	54	52	48	45	40	38	36	29	28	27	22
4	73	63	56	51	66	58	52	47	47	42	39	36	34	31	27	25	24	20
5	68	57	50	44	61	52	46	41	42	38	34	33	30	28	25	23	21	18
6	62	52	44	39	56	47	41	36	38	34	30	30	27	25	23	21	19	16
7	58	47	39	34	52	43	36	32	35	30	27	28	25	22	21	19	18	15
8	54	43	36	31	49	39	33	29	32	28	24	26	23	20	20	18	16	14
9	50	39	32	28	45	36	30	26	30	25	22	24	21	18	18	16	15	13
10	47	36	29	25	43	33	27	23	27	23	20	22	19	17	17	15	14	12

POLAR GRAPH



Maximum Candela = 2289.5 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.)