

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric, up | 40° Symmetric, down | 90 CRI | HO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-359-U1S1-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	83	85	87	89
Total Lumens, 4' rail length (1219mm)	8799	9077	9262	9448
Lumens per foot (305mm)	2200	2269	2316	2362
Lumens per foot UP (305mm)	1453	1499	1529	1482
Lumens per foot DOWN (305mm)	747	771	786	762
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](#).



IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U1S1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L031805801R01 (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-U1S1-AL
 [LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,
 [MORE] symmetric lens up/40° symmetric lens down, high output, clear anodized finish
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9262
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
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	4289	7520	15878
55	2924	4781	10842
65	2364	3400	7259
75	1833	2462	4906
85	862	1117	2451

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	2274.3	2274.3	2274.3	2274.3	2274.3	2274.3	2274.3	2274.3	2274.3	2274.3
1.0	2272.4	2272.4	2272.4	2272.4	2272.4	2272.4	2274.3	2274.3	2274.3	2274.3
3.0	2255.3	2255.3	2255.3	2255.3	2257.2	2257.2	2259.1	2261.0	2261.0	2262.9
5.0	2217.3	2219.2	2219.2	2221.1	2223.0	2226.8	2230.6	2232.5	2236.3	2240.1
7.0	2164.1	2166.0	2167.9	2171.7	2175.5	2181.2	2186.9	2194.5	2200.2	2207.8
9.0	2095.7	2095.7	2099.5	2105.2	2110.9	2120.4	2129.9	2141.3	2152.7	2164.1
11.0	2008.3	2010.2	2015.9	2023.5	2033.0	2046.3	2059.6	2076.7	2093.8	2112.8
13.0	1909.5	1911.4	1917.1	1928.5	1941.8	1958.9	1977.9	2000.7	2023.5	2048.2
15.0	1797.4	1799.3	1806.9	1820.2	1837.3	1860.1	1884.8	1913.3	1945.6	1976.0
17.0	1675.8	1677.7	1687.2	1702.4	1725.2	1751.8	1782.2	1816.4	1854.4	1894.3
19.5	1512.4	1516.2	1527.6	1546.6	1571.3	1603.6	1641.6	1685.3	1730.9	1778.4
22.5	1311.0	1314.8	1328.1	1349.0	1379.4	1417.4	1463.0	1512.4	1569.4	1626.4
25.5	1109.6	1115.3	1128.6	1153.3	1185.6	1227.4	1276.8	1333.8	1398.4	1466.8
29.0	893.0	896.8	912.0	936.7	970.9	1012.7	1064.0	1124.8	1197.0	1271.1
33.0	680.2	684.0	697.3	720.1	752.4	792.3	841.7	902.5	970.9	1048.8
37.5	494.0	497.8	509.2	526.3	552.9	587.1	630.8	684.0	746.7	818.9
42.5	349.6	351.5	361.0	374.3	393.3	419.9	452.2	494.0	545.3	604.2
47.5	256.5	258.4	264.1	271.7	286.9	304.0	328.7	357.2	395.2	438.9
55.0	172.9	174.8	176.7	182.4	188.1	199.5	210.9	228.0	248.9	275.5
65.0	108.3	108.3	110.2	112.1	114.0	117.8	123.5	131.1	138.7	150.1
75.0	57.0	57.0	57.0	58.9	58.9	60.8	62.7	64.6	68.4	72.2
85.0	13.3	13.3	13.3	13.3	13.3	15.2	15.2	15.2	15.2	15.2
90.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
95.0	49.4	49.4	49.4	51.3	51.3	51.3	51.3	51.3	53.2	53.2
100.0	133.0	134.9	134.9	134.9	136.8	138.7	142.5	144.4	148.2	150.1
105.0	248.9	248.9	250.8	252.7	256.5	258.4	264.1	267.9	271.7	277.4
110.0	391.4	393.3	393.3	397.1	400.9	406.6	410.4	418.0	423.7	431.3
115.0	560.5	562.4	564.3	568.1	573.8	579.5	585.2	592.8	602.3	611.8
120.0	756.2	758.1	760.0	763.8	769.5	777.1	786.6	796.1	805.6	815.1
125.0	974.7	976.6	978.5	984.2	989.9	997.5	1007.0	1016.5	1027.9	1039.3
130.0	1206.5	1208.4	1210.3	1216.0	1221.7	1229.3	1238.8	1250.2	1261.6	1271.1
135.0	1440.2	1442.1	1444.0	1449.7	1455.4	1463.0	1470.6	1478.2	1487.7	1497.2
140.0	1662.5	1662.5	1664.4	1668.2	1673.9	1679.6	1685.3	1691.0	1696.7	1702.4
145.0	1858.2	1858.2	1860.1	1862.0	1863.9	1867.7	1871.5	1875.3	1879.1	1882.9
150.0	2019.7	2019.7	2019.7	2021.6	2021.6	2023.5	2025.4	2027.3	2029.2	2033.0
155.0	2147.0	2147.0	2148.9	2148.9	2148.9	2150.8	2150.8	2152.7	2154.6	2156.5
160.0	2249.6	2249.6	2249.6	2249.6	2249.6	2251.5	2251.5	2253.4	2253.4	2255.3
165.0	2327.5	2327.5	2327.5	2327.5	2327.5	2329.4	2329.4	2331.3	2331.3	2333.2
170.0	2384.5	2384.5	2386.4	2386.4	2386.4	2386.4	2388.3	2388.3	2388.3	2390.2
175.0	2424.4	2424.4	2424.4	2424.4	2424.4	2424.4	2424.4	2424.4	2426.3	2426.3
180.0	2437.7	2437.7	2437.7	2437.7	2437.7	2437.7	2437.7	2437.7	2437.7	2437.7

Vert. Horizontal Angles
 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	2274.3	2274.3	2274.3	2274.3	2274.3	2274.3	2274.3	2274.3	2274.3
1.0	2274.3	2274.3	2274.3	2274.3	2274.3	2274.3	2274.3	2274.3	2274.3
3.0	2264.8	2266.7	2266.7	2268.6	2268.6	2270.5	2270.5	2270.5	2270.5
5.0	2243.9	2249.6	2253.4	2255.3	2259.1	2261.0	2262.9	2262.9	2262.9
7.0	2217.3	2223.0	2230.6	2236.3	2242.0	2247.7	2249.6	2253.4	2253.4
9.0	2177.4	2190.7	2202.1	2211.6	2221.1	2228.7	2234.4	2238.2	2238.2
11.0	2129.9	2148.9	2166.0	2181.2	2194.5	2205.9	2213.5	2217.3	2219.2
13.0	2074.8	2097.6	2122.3	2143.2	2160.3	2175.5	2186.9	2194.5	2196.4
15.0	2008.3	2040.6	2071.0	2097.6	2122.3	2141.3	2154.6	2164.1	2167.9

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CANDELA TABULATION - (Cont.)

17.0	1934.2	1974.1	2010.2	2046.3	2074.8	2101.4	2118.5	2129.9	2133.7
19.5	1829.7	1879.1	1926.6	1972.2	2008.3	2040.6	2065.3	2078.6	2084.3
22.5	1691.0	1751.8	1812.6	1867.7	1915.2	1957.0	1987.4	2006.4	2012.1
25.5	1539.0	1611.2	1683.4	1749.9	1808.8	1856.3	1896.2	1919.0	1926.6
29.0	1352.8	1436.4	1516.2	1594.1	1664.4	1725.2	1768.9	1797.4	1806.9
33.0	1134.3	1223.6	1312.9	1402.2	1482.0	1550.4	1601.7	1632.1	1645.4
37.5	900.6	988.0	1079.2	1172.3	1255.9	1330.0	1385.1	1419.3	1432.6
42.5	674.5	750.5	834.1	919.6	999.4	1069.7	1126.7	1160.9	1174.2
47.5	492.1	552.9	619.4	691.6	758.1	820.8	870.2	900.6	913.9
55.0	307.8	343.9	383.8	429.4	473.1	513.0	549.1	570.0	579.5
65.0	163.4	180.5	197.6	218.5	237.5	256.5	271.7	283.1	286.9
75.0	76.0	81.7	87.4	95.0	102.6	108.3	114.0	117.8	119.7
85.0	17.1	17.1	17.1	19.0	19.0	19.0	20.9	20.9	20.9
90.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
95.0	53.2	53.2	55.1	57.0	57.0	57.0	57.0	57.0	57.0
100.0	153.9	155.8	157.7	159.6	161.5	163.4	163.4	163.4	163.4
105.0	281.2	286.9	290.7	294.5	296.4	298.3	300.2	300.2	300.2
110.0	437.0	444.6	450.3	456.0	459.8	463.6	465.5	465.5	465.5
115.0	621.3	628.9	636.5	644.1	647.9	651.7	655.5	657.4	657.4
120.0	826.5	837.9	845.5	853.1	860.7	864.5	868.3	870.2	872.1
125.0	1050.7	1062.1	1071.6	1079.2	1084.9	1090.6	1094.4	1098.2	1098.2
130.0	1282.5	1292.0	1299.6	1307.2	1311.0	1316.7	1322.4	1326.2	1328.1
135.0	1504.8	1512.4	1518.1	1523.8	1529.5	1535.2	1539.0	1542.8	1544.7
140.0	1708.1	1713.8	1717.6	1723.3	1727.1	1730.9	1736.6	1740.4	1742.3
145.0	1884.8	1888.6	1892.4	1896.2	1900.0	1905.7	1909.5	1913.3	1915.2
150.0	2034.9	2036.8	2040.6	2044.4	2048.2	2052.0	2055.8	2057.7	2059.6
155.0	2158.4	2160.3	2162.2	2166.0	2169.8	2173.6	2175.5	2177.4	2179.3
160.0	2257.2	2259.1	2261.0	2264.8	2266.7	2270.5	2272.4	2274.3	2274.3
165.0	2335.1	2337.0	2338.9	2340.8	2342.7	2344.6	2346.5	2346.5	2346.5
170.0	2392.1	2392.1	2394.0	2394.0	2395.9	2397.8	2397.8	2397.8	2397.8
175.0	2426.3	2426.3	2426.3	2426.3	2428.2	2428.2	2428.2	2428.2	2428.2
180.0	2437.7	2437.7	2437.7	2437.7	2437.7	2437.7	2437.7	2437.7	2437.7

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	730.65	N.A.	7.90
0-30	1389.25	N.A.	15.00
0-40	1946.61	N.A.	21.00
0-60	2722.9	N.A.	29.40
0-80	3088.43	N.A.	33.30
0-90	3145.23	N.A.	34.00
10-90	2973.47	N.A.	32.10
20-40	1215.97	N.A.	13.10
20-50	1724.7	N.A.	18.60
40-70	1011.92	N.A.	10.90
60-80	365.53	N.A.	3.90
70-80	129.90	N.A.	1.40
80-90	56.80	N.A.	0.60
90-110	368.88	N.A.	4.00
90-120	979.10	N.A.	10.60
90-130	1908.99	N.A.	20.60
90-150	4233.75	N.A.	45.70
90-180	6117.25	N.A.	66.00
110-180	5748.37	N.A.	62.10
0-180	9262.49	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	171.76
10-20	558.88
20-30	658.60
30-40	557.37
40-50	508.73
50-60	267.55
60-70	235.63
70-80	129.90
80-90	56.80
90-100	70.30
100-110	298.58
110-120	610.21
120-130	929.89
130-140	1149.71
140-150	1175.05
150-160	994.11
160-170	658.93
170-180	230.46

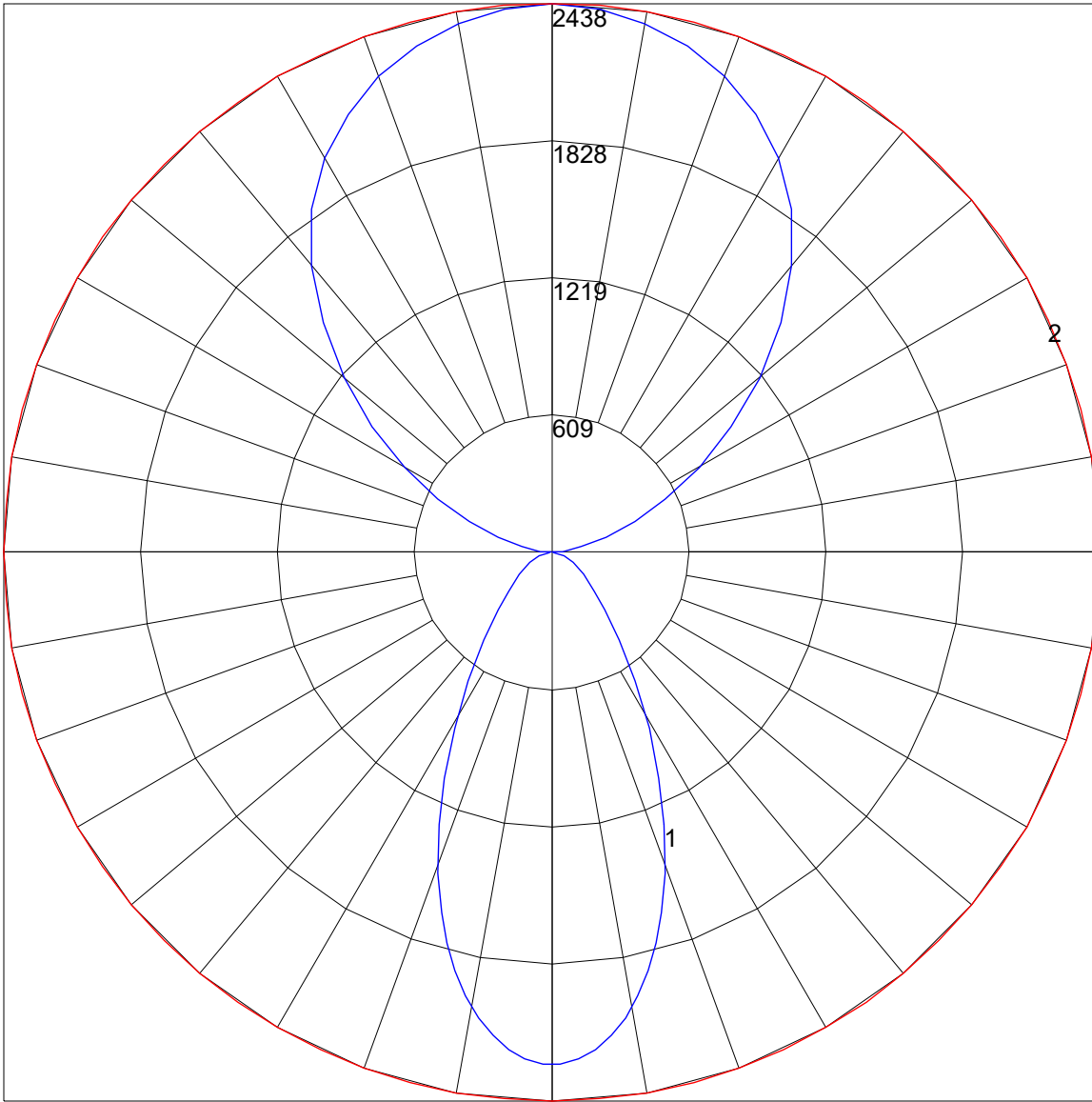
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	93	93	93	93	74	74	74	57	57	57	41	41	41	34	0
1	95	91	87	84	85	82	79	76	66	64	62	51	50	49	37	37	36	30	0
2	87	80	74	69	78	72	68	64	58	55	52	46	43	42	34	32	31	26	0
3	80	71	64	59	72	64	59	54	52	48	45	41	38	36	30	29	27	23	0
4	73	63	56	50	66	57	51	46	47	42	39	37	34	31	28	26	24	20	0
5	67	57	49	44	61	52	45	40	42	38	34	34	30	28	25	23	22	18	0
6	62	51	44	38	56	47	40	35	38	34	30	31	27	25	23	21	20	16	0
7	58	46	39	34	52	42	36	31	35	30	27	28	25	22	22	19	18	15	0
8	54	42	35	30	49	39	32	28	32	27	24	26	23	20	20	18	16	14	0
9	50	39	32	27	45	36	29	25	30	25	22	24	21	18	19	16	15	13	0
10	47	36	29	24	43	33	27	23	27	23	20	22	19	17	17	15	14	12	0

POLAR GRAPH



Maximum Candela = 2437.7 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.)