



IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | 80° Symmetric, down | 90 CRI | HO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-359-U2S7-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	103	106	109	113
Total Lumens, 4' rail length (1219mm)	11055	11404	11637	11753
Lumens per foot (305mm)	1618	1669	1703	1720
Lumens per foot UP (305mm)	1146	1182	1206	1218
Lumens per foot DOWN (305mm)	2764	2851	2909	2938
Input Power (W), 4' rail length (1219mm)	107.7	107.7	107.7	107.7
Watts per foot (305mm)	27	27	27	27
CRI	94	94	94	94

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_U2S7.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911556 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 12/23/2019

[MANUFAC] VODE LIGHTING

[LUMCAT] 707-Z3-48-Z-CC-HO-359-U2S7-AL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 90 CRI, zipper board, symmetric lens with edge glow up/80°

[MORE] 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	11637
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	107.66
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)	0.26 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	14417	15520	14615
55	9088	10651	10869
65	5855	7231	8413
75	3912	4955	6515
85	1929	2453	4071

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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>
0.0	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1
1.0	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1
3.0	2504.2	2504.2	2504.2	2504.2	2504.2	2504.2	2504.2	2504.2	2502.3	2502.3
5.0	2496.6	2496.6	2496.6	2496.6	2496.6	2496.6	2496.6	2496.6	2496.6	2496.6
7.0	2485.2	2485.2	2485.2	2485.2	2485.2	2485.2	2485.2	2485.2	2485.2	2483.3
9.0	2470.0	2468.1	2468.1	2468.1	2468.1	2468.1	2468.1	2468.1	2466.2	2466.2
11.0	2449.1	2449.1	2449.1	2449.1	2449.1	2447.2	2447.2	2447.2	2445.3	2445.3
13.0	2422.5	2422.5	2420.6	2420.6	2422.5	2420.6	2420.6	2418.7	2418.7	2416.8
15.0	2392.1	2390.2	2390.2	2390.2	2390.2	2390.2	2388.3	2386.4	2386.4	2384.5
17.0	2354.1	2352.2	2352.2	2352.2	2352.2	2352.2	2350.3	2348.4	2346.5	2342.7
19.5	2297.1	2297.1	2297.1	2297.1	2297.1	2297.1	2295.2	2293.3	2289.5	2285.7
22.5	2213.5	2213.5	2215.4	2215.4	2215.4	2215.4	2213.5	2211.6	2205.9	2200.2
25.5	2112.8	2112.8	2112.8	2114.7	2116.6	2116.6	2116.6	2112.8	2107.1	2097.6
29.0	1968.4	1968.4	1972.2	1976.0	1977.9	1979.8	1979.8	1976.0	1970.3	1958.9
33.0	1770.8	1772.7	1776.5	1782.2	1787.9	1793.6	1795.5	1791.7	1784.1	1772.7
37.5	1512.4	1516.2	1521.9	1531.4	1540.9	1550.4	1554.2	1554.2	1548.5	1535.2
42.5	1204.6	1206.5	1216.0	1227.4	1242.6	1255.9	1265.4	1269.2	1265.4	1254.0
47.5	908.2	912.0	921.5	934.8	951.9	967.1	978.5	986.1	988.0	980.4
55.0	556.7	558.6	566.2	577.6	592.8	608.0	619.4	628.9	634.6	636.5
65.0	277.4	277.4	283.1	288.8	296.4	305.9	313.5	321.1	326.8	330.6
75.0	125.4	125.4	127.3	131.1	133.0	136.8	140.6	144.4	148.2	150.1
85.0	30.4	30.4	30.4	32.3	32.3	32.3	34.2	34.2	34.2	34.2
90.0	41.8	41.8	39.9	39.9	38.0	36.1	32.3	30.4	28.5	24.7
95.0	93.1	93.1	93.1	91.2	91.2	89.3	87.4	85.5	85.5	83.6
100.0	174.8	174.8	176.7	176.7	176.7	178.6	180.5	182.4	184.3	186.2
105.0	298.3	300.2	300.2	302.1	305.9	309.7	313.5	317.3	321.1	324.9
110.0	457.9	459.8	461.7	463.6	467.4	473.1	476.9	480.7	486.4	494.0
115.0	649.8	649.8	651.7	655.5	659.3	665.0	672.6	682.1	693.5	703.0
120.0	879.7	879.7	883.5	887.3	894.9	902.5	912.0	921.5	931.0	942.4
125.0	1138.1	1138.1	1141.9	1145.7	1151.4	1159.0	1166.6	1176.1	1185.6	1197.0
130.0	1396.5	1396.5	1400.3	1404.1	1407.9	1415.5	1423.1	1432.6	1442.1	1451.6
135.0	1643.5	1643.5	1645.4	1649.2	1654.9	1660.6	1666.3	1672.0	1677.7	1681.5
140.0	1865.8	1865.8	1865.8	1869.6	1871.5	1873.4	1875.3	1879.1	1881.0	1884.8
145.0	2046.3	2046.3	2048.2	2048.2	2050.1	2050.1	2052.0	2053.9	2055.8	2055.8
150.0	2196.4	2196.4	2196.4	2196.4	2196.4	2198.3	2198.3	2200.2	2200.2	2200.2
155.0	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1	2318.0	2318.0	2318.0
160.0	2411.1	2411.1	2411.1	2411.1	2411.1	2411.1	2411.1	2411.1	2411.1	2411.1
165.0	2483.3	2481.4	2483.3	2483.3	2483.3	2483.3	2483.3	2483.3	2483.3	2483.3
170.0	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7
175.0	2561.2	2561.2	2561.2	2561.2	2561.2	2561.2	2561.2	2561.2	2561.2	2561.2
180.0	2568.8	2568.8	2568.8	2568.8	2568.8	2568.8	2568.8	2568.8	2568.8	2568.8

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>
0.0	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1
1.0	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1	2506.1
3.0	2504.2	2502.3	2502.3	2504.2	2502.3	2504.2	2502.3	2502.3	2504.2
5.0	2494.7	2494.7	2494.7	2494.7	2494.7	2494.7	2494.7	2494.7	2494.7
7.0	2485.2	2483.3	2483.3	2483.3	2483.3	2481.4	2481.4	2481.4	2481.4
9.0	2466.2	2466.2	2464.3	2464.3	2464.3	2462.4	2464.3	2462.4	2462.4
11.0	2443.4	2443.4	2441.5	2439.6	2439.6	2439.6	2437.7	2437.7	2437.7
13.0	2414.9	2413.0	2411.1	2409.2	2407.3	2407.3	2405.4	2405.4	2405.4
15.0	2380.7	2378.8	2376.9	2373.1	2371.2	2369.3	2367.4	2365.5	2365.5

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CANDELA TABULATION - (Cont.)

17.0	2338.9	2337.0	2333.2	2329.4	2325.6	2321.8	2319.9	2318.0	2318.0
19.5	2280.0	2274.3	2268.6	2262.9	2257.2	2253.4	2249.6	2247.7	2247.7
22.5	2192.6	2185.0	2175.5	2166.0	2158.4	2152.7	2147.0	2143.2	2143.2
25.5	2088.1	2076.7	2065.3	2052.0	2040.6	2031.1	2023.5	2019.7	2017.8
29.0	1945.6	1930.4	1913.3	1898.1	1882.9	1869.6	1860.1	1854.4	1852.5
33.0	1755.6	1736.6	1715.7	1694.8	1675.8	1660.6	1647.3	1639.7	1637.8
37.5	1516.2	1495.3	1472.5	1449.7	1426.9	1409.8	1396.5	1388.9	1385.1
42.5	1236.9	1217.9	1195.1	1174.2	1155.2	1140.0	1126.7	1119.1	1117.2
47.5	969.0	955.7	938.6	923.4	910.1	898.7	889.2	883.5	881.6
55.0	634.6	628.9	625.1	619.4	615.6	611.8	608.0	606.1	604.2
65.0	334.4	336.3	340.1	342.0	343.9	343.9	345.8	345.8	345.8
75.0	153.9	155.8	157.7	159.6	161.5	163.4	163.4	163.4	165.3
85.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
90.0	22.8	19.0	17.1	15.2	13.3	9.5	9.5	7.6	7.6
95.0	81.7	79.8	79.8	79.8	79.8	77.9	77.9	77.9	77.9
100.0	188.1	190.0	190.0	190.0	191.9	193.8	195.7	197.6	195.7
105.0	326.8	330.6	334.4	340.1	343.9	347.7	349.6	349.6	349.6
110.0	501.6	511.1	516.8	524.4	532.0	535.8	537.7	537.7	537.7
115.0	714.4	723.9	733.4	742.9	748.6	752.4	754.3	754.3	756.2
120.0	953.8	965.2	976.6	982.3	988.0	991.8	993.7	995.6	995.6
125.0	1208.4	1219.8	1225.5	1231.2	1236.9	1238.8	1240.7	1242.6	1242.6
130.0	1459.2	1464.9	1470.6	1474.4	1476.3	1478.2	1480.1	1480.1	1482.0
135.0	1685.3	1689.1	1692.9	1696.7	1696.7	1698.6	1700.5	1700.5	1700.5
140.0	1886.7	1888.6	1890.5	1892.4	1894.3	1894.3	1894.3	1896.2	1896.2
145.0	2057.7	2059.6	2059.6	2059.6	2061.5	2061.5	2061.5	2061.5	2063.4
150.0	2202.1	2202.1	2202.1	2202.1	2202.1	2204.0	2204.0	2204.0	2204.0
155.0	2318.0	2318.0	2318.0	2318.0	2319.9	2319.9	2319.9	2319.9	2319.9
160.0	2411.1	2413.0	2413.0	2413.0	2413.0	2413.0	2413.0	2413.0	2413.0
165.0	2483.3	2483.3	2483.3	2483.3	2483.3	2483.3	2483.3	2483.3	2485.2
170.0	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7
175.0	2561.2	2561.2	2561.2	2561.2	2561.2	2561.2	2561.2	2561.2	2561.2
180.0	2568.8	2568.8	2568.8	2568.8	2568.8	2568.8	2568.8	2568.8	2568.8

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	864.84	N.A.	7.40
0-30	1766.76	N.A.	15.20
0-40	2641.45	N.A.	22.70
0-60	4028.29	N.A.	34.60
0-80	4710.86	N.A.	40.50
0-90	4825.29	N.A.	41.50
10-90	4632.85	N.A.	39.80
20-40	1776.6	N.A.	15.30
20-50	2667.83	N.A.	22.90
40-70	1827.89	N.A.	15.70
60-80	682.57	N.A.	5.90
70-80	241.52	N.A.	2.10
80-90	114.43	N.A.	1.00
90-110	454.72	N.A.	3.90
90-120	1158.58	N.A.	10.00
90-130	2225.83	N.A.	19.10
90-150	4799.24	N.A.	41.20
90-180	6811.58	N.A.	58.50
110-180	6356.87	N.A.	54.60
0-180	11636.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	192.43
10-20	672.41
20-30	901.91
30-40	874.69
40-50	891.23
50-60	495.61
60-70	441.05
70-80	241.52
80-90	114.43
90-100	103.33
100-110	351.39
110-120	703.86
120-130	1067.26
130-140	1289.71
140-150	1283.7
150-160	1067.82
160-170	700.97
170-180	243.55

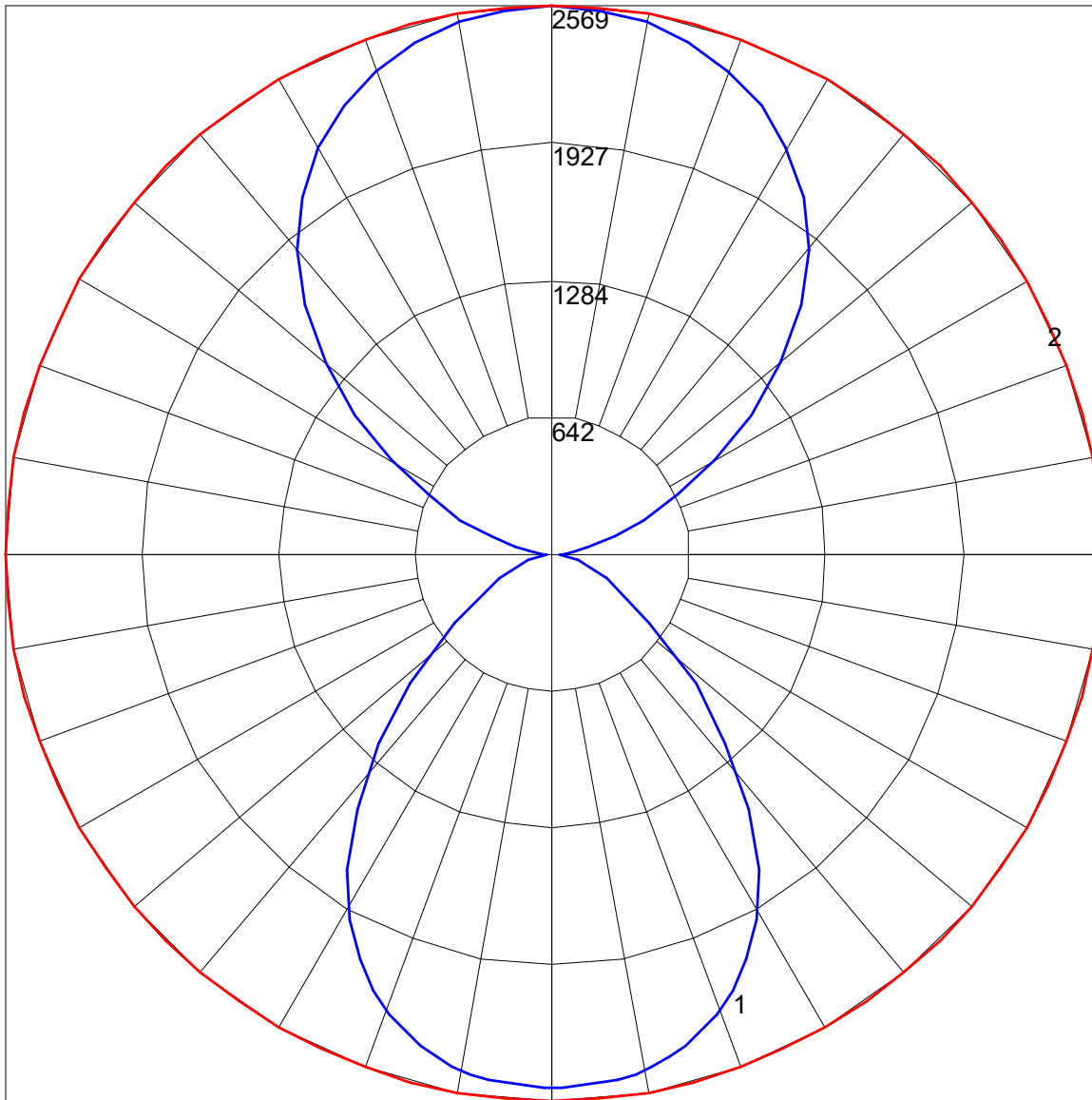
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48	41
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	35
2	88	81	75	70	80	74	69	65	61	58	54	49	47	45	38	37	35	30
3	80	71	64	59	73	65	59	55	54	50	46	44	41	38	34	32	31	26
4	74	64	56	50	67	58	52	47	49	44	40	40	36	33	31	29	27	23
5	68	57	49	43	62	52	46	40	44	39	35	36	32	29	28	26	24	20
6	63	51	43	38	57	47	40	35	40	34	31	33	29	26	26	23	21	18
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	24	21	19	16
8	54	42	35	30	49	39	32	28	33	28	24	27	23	21	22	19	17	15
9	50	38	31	26	46	36	29	25	30	25	22	25	21	19	20	18	16	13
10	47	35	28	24	43	33	27	22	28	23	20	23	20	17	19	16	14	12

POLAR GRAPH



Maximum Candela = 2568.8 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)