

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | 40° Symmetric, down | 80 CRI | HO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-35-U2S1-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	88	91	92	92
Total Lumens, 4' rail length (1219mm)	9397	9694	9892	9892
Lumens per foot (305mm)	2349	2424	2473	2473
Lumens per foot UP (305mm)	1796	1853	1890	1890
Lumens per foot DOWN (305mm)	554	571	583	583
Input Power (W), 4' rail length (1219mm)	107.7	107.7	107.7	107.7
Watts per foot (305mm)	27.0	27.0	27.0	27.0
CRI	82	82	82	82

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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_35_U2S1_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911554 (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-35-U2S1-BL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 CRI, zipper board, symmetric lens with edgeglow up/40°

[MORE] 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	9874
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	107.66
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)	0.26 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	2072	4416	9684
55	970	2062	4710
65	511	1107	2301
75	343	581	1301
85	140	316	744

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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	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6
1.0	2204.4	2204.4	2204.4	2204.4	2204.4	2204.4	2204.4	2204.4	2204.4	2204.4
3.0	2191.2	2191.2	2191.2	2193.4	2193.4	2193.4	2195.6	2195.6	2195.6	2197.8
5.0	2151.6	2151.6	2153.8	2156.0	2156.0	2160.4	2162.6	2164.8	2169.2	2173.6
7.0	2094.4	2094.4	2096.6	2101.0	2103.2	2109.8	2116.4	2123.0	2129.6	2136.2
9.0	2013.0	2013.0	2017.4	2021.8	2028.4	2037.2	2048.2	2059.2	2072.4	2085.6
11.0	1914.0	1916.2	1920.6	1927.2	1938.2	1951.4	1966.8	1984.4	2002.0	2021.8
13.0	1799.6	1801.8	1808.4	1817.2	1832.6	1850.2	1872.2	1894.2	1920.6	1947.0
15.0	1667.6	1672.0	1678.6	1694.0	1711.6	1735.8	1762.2	1793.0	1826.0	1859.0
17.0	1529.0	1531.2	1542.2	1559.8	1581.8	1610.4	1643.4	1680.8	1720.4	1760.0
19.5	1342.0	1346.4	1357.4	1379.4	1405.8	1441.0	1480.6	1524.6	1575.2	1625.8
22.5	1117.6	1122.0	1137.4	1159.4	1190.2	1229.8	1276.0	1331.0	1390.4	1452.0
25.5	902.0	908.6	921.8	946.0	979.0	1020.8	1071.4	1130.8	1196.8	1265.0
29.0	682.0	686.4	699.6	723.8	754.6	796.4	847.0	906.4	974.6	1049.4
33.0	477.4	479.6	492.8	512.6	541.2	578.6	624.8	679.8	743.6	814.0
37.5	308.0	312.4	321.2	336.6	358.6	387.2	424.6	470.8	523.6	585.2
42.5	187.0	189.2	195.8	206.8	222.2	242.0	268.4	301.4	341.0	387.2
47.5	116.6	116.6	121.0	127.6	138.6	151.8	169.4	191.4	217.8	248.6
55.0	59.4	59.4	61.6	63.8	70.4	77.0	83.6	94.6	110.0	123.2
65.0	24.2	26.4	26.4	28.6	28.6	33.0	35.2	39.6	44.0	50.6
75.0	11.0	11.0	11.0	11.0	11.0	13.2	13.2	15.4	17.6	17.6
85.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.4
90.0	46.2	46.2	44.0	44.0	41.8	39.6	37.4	35.2	30.8	28.6
95.0	105.6	105.6	103.4	103.4	103.4	101.2	99.0	96.8	94.6	92.4
100.0	193.6	193.6	193.6	195.8	198.0	200.2	202.4	206.8	211.2	213.4
105.0	334.4	336.6	338.8	341.0	343.2	347.6	354.2	358.6	363.0	367.4
110.0	510.4	510.4	512.6	517.0	521.4	525.8	532.4	539.0	545.6	552.2
115.0	717.2	719.4	721.6	726.0	730.4	739.2	748.0	756.8	770.0	783.2
120.0	965.8	968.0	970.2	976.8	985.6	994.4	1005.4	1018.6	1029.6	1040.6
125.0	1251.8	1251.8	1256.2	1260.6	1269.4	1276.0	1287.0	1295.8	1304.6	1315.6
130.0	1540.0	1540.0	1542.2	1546.6	1551.0	1557.6	1564.2	1573.0	1579.6	1588.4
135.0	1808.4	1810.6	1810.6	1815.0	1817.2	1823.8	1828.2	1834.8	1841.4	1848.0
140.0	2050.4	2050.4	2052.6	2054.8	2057.0	2061.4	2065.8	2070.2	2074.6	2079.0
145.0	2257.2	2259.4	2259.4	2261.6	2263.8	2266.0	2268.2	2272.6	2277.0	2279.2
150.0	2433.2	2433.2	2433.2	2435.4	2437.6	2437.6	2439.8	2442.0	2446.4	2448.6
155.0	2576.2	2576.2	2576.2	2576.2	2578.4	2578.4	2580.6	2580.6	2585.0	2585.0
160.0	2688.4	2688.4	2688.4	2688.4	2688.4	2690.6	2690.6	2692.8	2692.8	2695.0
165.0	2772.0	2772.0	2772.0	2774.2	2774.2	2774.2	2774.2	2774.2	2774.2	2776.4
170.0	2831.4	2831.4	2831.4	2831.4	2831.4	2831.4	2831.4	2831.4	2831.4	2831.4
175.0	2864.4	2864.4	2864.4	2864.4	2864.4	2864.4	2864.4	2864.4	2864.4	2864.4
180.0	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2

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	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6	2206.6
1.0	2204.4	2204.4	2204.4	2204.4	2204.4	2204.4	2204.4	2204.4	2204.4
3.0	2197.8	2200.0	2200.0	2202.2	2202.2	2202.2	2202.2	2204.4	2202.2
5.0	2175.8	2180.2	2182.4	2186.8	2189.0	2191.2	2191.2	2193.4	2193.4
7.0	2142.8	2151.6	2158.2	2164.8	2169.2	2173.6	2178.0	2178.0	2180.2
9.0	2096.6	2109.8	2120.8	2131.8	2140.6	2149.4	2153.8	2158.2	2158.2
11.0	2041.6	2059.2	2076.8	2092.2	2105.4	2118.6	2125.2	2131.8	2131.8
13.0	1973.4	1997.6	2021.8	2043.8	2063.6	2079.0	2090.0	2096.6	2101.0
15.0	1892.0	1927.2	1958.0	1986.6	2010.8	2032.8	2048.2	2057.0	2059.2

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CANDELA TABULATION - (Cont.)

17.0	1804.0	1845.8	1885.4	1922.8	1953.6	1977.8	1997.6	2010.8	2013.0
19.5	1678.6	1731.4	1782.0	1826.0	1865.6	1900.8	1925.0	1938.2	1944.8
22.5	1515.8	1579.6	1641.2	1698.4	1749.0	1790.8	1821.6	1839.2	1845.8
25.5	1339.8	1414.6	1485.0	1553.2	1610.4	1658.8	1696.2	1718.2	1724.8
29.0	1128.6	1210.0	1289.2	1366.2	1432.2	1487.2	1529.0	1555.4	1564.2
33.0	895.4	976.8	1058.2	1139.6	1207.8	1267.2	1311.2	1339.8	1348.6
37.5	657.8	732.6	807.4	882.2	948.2	1005.4	1047.2	1075.8	1084.6
42.5	442.2	499.4	561.0	622.6	675.4	723.8	759.0	781.0	789.8
47.5	286.0	327.8	369.6	413.6	451.0	486.2	512.6	528.0	534.6
55.0	143.0	162.8	182.6	202.4	222.2	239.8	250.8	259.6	261.8
65.0	55.0	63.8	70.4	77.0	81.4	88.0	92.4	94.6	94.6
75.0	19.8	22.0	24.2	26.4	28.6	30.8	33.0	33.0	33.0
85.0	4.4	4.4	4.4	4.4	4.4	6.6	6.6	6.6	6.6
90.0	24.2	22.0	17.6	15.4	11.0	8.8	6.6	4.4	4.4
95.0	90.2	88.0	88.0	88.0	85.8	83.6	83.6	83.6	81.4
100.0	215.6	215.6	215.6	215.6	215.6	217.8	215.6	215.6	215.6
105.0	369.6	371.8	376.2	382.8	385.0	385.0	385.0	385.0	385.0
110.0	561.0	572.0	578.6	585.2	587.4	589.6	589.6	589.6	589.6
115.0	794.2	803.0	809.6	814.0	818.4	822.8	825.0	825.0	825.0
120.0	1051.6	1060.4	1067.0	1073.6	1080.2	1084.6	1086.8	1089.0	1089.0
125.0	1324.4	1331.0	1339.8	1346.4	1350.8	1355.2	1359.6	1361.8	1361.8
130.0	1597.2	1603.8	1610.4	1617.0	1623.6	1628.0	1630.2	1632.4	1634.6
135.0	1854.6	1859.0	1865.6	1872.2	1876.6	1878.8	1883.2	1883.2	1885.4
140.0	2083.4	2090.0	2094.4	2098.8	2103.2	2105.4	2107.6	2107.6	2107.6
145.0	2283.6	2285.8	2290.2	2292.4	2296.8	2299.0	2299.0	2301.2	2301.2
150.0	2450.8	2453.0	2455.2	2457.4	2459.6	2459.6	2461.8	2461.8	2461.8
155.0	2587.2	2589.4	2589.4	2591.6	2591.6	2593.8	2593.8	2593.8	2593.8
160.0	2695.0	2695.0	2697.2	2697.2	2697.2	2699.4	2699.4	2699.4	2699.4
165.0	2776.4	2776.4	2776.4	2776.4	2778.6	2778.6	2778.6	2778.6	2778.6
170.0	2833.6	2833.6	2833.6	2833.6	2833.6	2833.6	2833.6	2833.6	2833.6
175.0	2864.4	2864.4	2864.4	2864.4	2864.4	2864.4	2864.4	2864.4	2864.4
180.0	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	691.67	N.A.	7.00
0-30	1267.81	N.A.	12.80
0-40	1703.00	N.A.	17.20
0-60	2172.58	N.A.	22.00
0-80	2305.16	N.A.	23.30
0-90	2326.4	N.A.	23.60
10-90	2160.18	N.A.	21.90
20-40	1011.33	N.A.	10.20
20-50	1342.91	N.A.	13.60
40-70	563.43	N.A.	5.70
60-80	132.59	N.A.	1.30
70-80	38.74	N.A.	0.40
80-90	21.24	N.A.	0.20
90-110	507.76	N.A.	5.10
90-120	1284.6	N.A.	13.00
90-130	2456.68	N.A.	24.90
90-150	5301.28	N.A.	53.70
90-180	7547.68	N.A.	76.40
110-180	7039.92	N.A.	71.30
0-180	9874.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	166.22
10-20	525.45
20-30	576.15
30-40	435.18
40-50	331.58
50-60	138.00
60-70	93.84
70-80	38.74
80-90	21.24
90-100	114.94
100-110	392.81
110-120	776.84
120-130	1172.08
130-140	1421.11
140-150	1423.49
150-160	1190.59
160-170	783.42
170-180	272.39

IES INDOOR REPORT

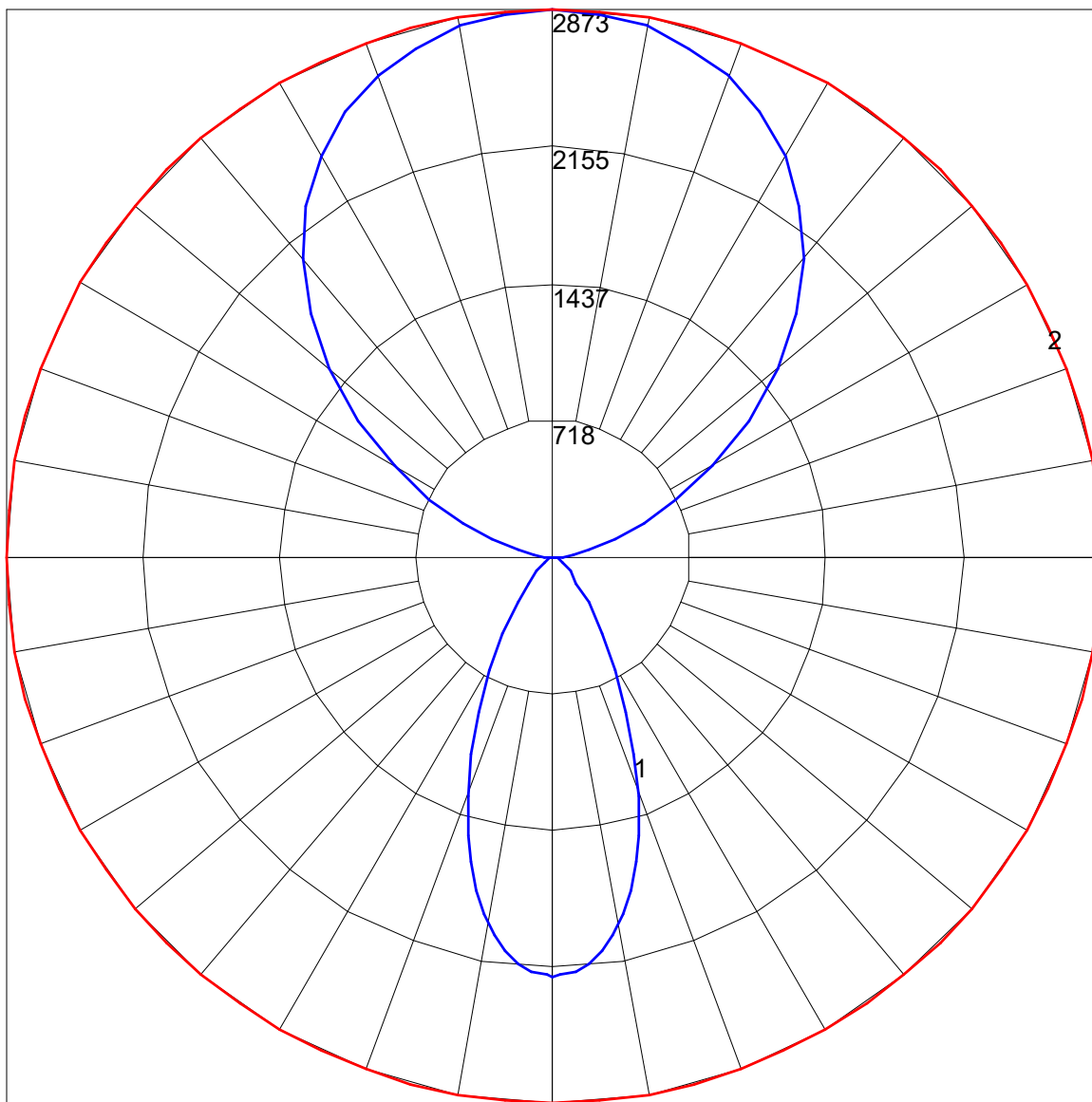
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_35_U2S1_BL.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	24
1	93	89	85	82	82	79	76	74	61	59	58	44	43	42	29	29	28	21
2	85	78	73	68	75	70	66	62	54	51	49	40	38	37	27	26	25	19
3	78	70	63	58	69	62	57	52	49	45	42	36	34	32	24	23	22	17
4	72	62	55	50	64	56	50	45	44	40	37	33	30	28	22	21	20	16
5	66	56	48	43	59	50	44	39	40	35	32	30	27	25	21	19	18	14
6	61	50	43	38	54	45	39	35	36	32	28	27	24	22	19	18	16	13
7	57	45	38	33	50	41	35	31	33	28	25	25	22	20	18	16	15	12
8	53	41	34	30	47	38	31	27	30	26	23	23	20	18	17	15	14	11
9	49	38	31	26	44	34	29	24	28	23	20	21	19	17	15	14	13	10
10	46	35	28	24	41	32	26	22	26	21	19	20	17	15	14	13	12	10

POLAR GRAPH



Maximum Candela = 2873.2 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.)