

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	86	89	90	94
Total Lumens, 4' rail length (1219mm)	9195	9485	9679	9776
Lumens per foot (305mm)	2299	2371	2420	2444
Lumens per foot UP (305mm)	1546	1594	1627	1643
Lumens per foot DOWN (305mm)	753	777	793	801
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

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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_359_U2S2_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911555 (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-U2S2-BL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 90 CRI, zipper board, symmetric lens with edgeglow up/60°

[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	9679
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
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	4732	8261	11655
55	2016	3911	6426
65	1043	1953	3467
75	593	1066	2097
85	362	545	1285

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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	2318.0	2318.0	2318.0	2318.0	2318.0	2318.0	2318.0	2318.0	2318.0	2318.0
1.0	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1
3.0	2310.4	2310.4	2310.4	2312.3	2312.3	2312.3	2312.3	2312.3	2312.3	2312.3
5.0	2295.2	2295.2	2295.2	2297.1	2297.1	2297.1	2297.1	2299.0	2299.0	2300.9
7.0	2274.3	2274.3	2274.3	2274.3	2276.2	2276.2	2278.1	2280.0	2281.9	2283.8
9.0	2240.1	2240.1	2242.0	2243.9	2245.8	2247.7	2249.6	2253.4	2255.3	2257.2
11.0	2198.3	2198.3	2200.2	2202.1	2205.9	2207.8	2213.5	2217.3	2221.1	2224.9
13.0	2145.1	2145.1	2147.0	2150.8	2154.6	2160.3	2166.0	2173.6	2179.3	2185.0
15.0	2080.5	2082.4	2084.3	2088.1	2093.8	2101.4	2110.9	2118.5	2128.0	2135.6
17.0	2004.5	2004.5	2008.3	2015.9	2023.5	2033.0	2046.3	2055.8	2069.1	2080.5
19.5	1888.6	1890.5	1896.2	1903.8	1917.1	1930.4	1945.6	1962.7	1979.8	1996.9
22.5	1723.3	1727.1	1734.7	1748.0	1765.1	1786.0	1806.9	1831.6	1854.4	1877.2
25.5	1529.5	1533.3	1544.7	1561.8	1584.6	1611.2	1641.6	1673.9	1704.3	1734.7
29.0	1280.6	1286.3	1299.6	1320.5	1349.0	1385.1	1423.1	1464.9	1506.7	1546.6
33.0	988.0	991.8	1007.0	1031.7	1065.9	1105.8	1153.3	1204.6	1255.9	1305.3
37.5	687.8	691.6	706.8	731.5	763.8	803.7	851.2	906.3	963.3	1018.4
42.5	431.3	435.1	446.5	465.5	492.1	526.3	566.2	613.7	666.9	718.2
47.5	262.2	264.1	271.7	285.0	304.0	326.8	355.3	391.4	431.3	471.2
55.0	123.5	125.4	129.2	136.8	144.4	157.7	172.9	190.0	210.9	233.7
65.0	49.4	49.4	51.3	53.2	57.0	60.8	66.5	74.1	81.7	89.3
75.0	19.0	19.0	19.0	20.9	20.9	22.8	24.7	28.5	30.4	32.3
85.0	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	7.6	7.6
90.0	38.0	36.1	36.1	36.1	34.2	32.3	30.4	28.5	24.7	22.8
95.0	85.5	85.5	85.5	85.5	83.6	83.6	81.7	79.8	79.8	77.9
100.0	161.5	161.5	161.5	163.4	165.3	169.1	171.0	174.8	178.6	182.4
105.0	286.9	286.9	288.8	292.6	296.4	300.2	304.0	307.8	313.5	317.3
110.0	438.9	438.9	440.8	444.6	448.4	452.2	457.9	463.6	471.2	476.9
115.0	615.6	617.5	619.4	623.2	628.9	634.6	642.2	651.7	661.2	672.6
120.0	828.4	830.3	832.2	837.9	845.5	853.1	862.6	874.0	885.4	894.9
125.0	1071.6	1073.5	1077.3	1081.1	1088.7	1096.3	1105.8	1113.4	1122.9	1132.4
130.0	1322.4	1322.4	1326.2	1330.0	1333.8	1341.4	1347.1	1354.7	1362.3	1369.9
135.0	1558.0	1559.9	1561.8	1563.7	1567.5	1573.2	1577.0	1582.7	1588.4	1594.1
140.0	1770.8	1770.8	1772.7	1774.6	1776.5	1780.3	1782.2	1787.9	1791.7	1795.5
145.0	1951.3	1951.3	1953.2	1953.2	1955.1	1957.0	1960.8	1962.7	1964.6	1968.4
150.0	2103.3	2103.3	2103.3	2103.3	2105.2	2107.1	2109.0	2110.9	2112.8	2114.7
155.0	2224.9	2224.9	2226.8	2226.8	2226.8	2228.7	2228.7	2230.6	2232.5	2232.5
160.0	2321.8	2321.8	2321.8	2323.7	2323.7	2323.7	2323.7	2325.6	2327.5	2327.5
165.0	2395.9	2395.9	2395.9	2395.9	2395.9	2395.9	2397.8	2397.8	2397.8	2397.8
170.0	2445.3	2445.3	2445.3	2445.3	2445.3	2447.2	2447.2	2447.2	2447.2	2447.2
175.0	2473.8	2473.8	2473.8	2475.7	2473.8	2475.7	2473.8	2475.7	2475.7	2475.7
180.0	2481.4	2481.4	2481.4	2481.4	2481.4	2481.4	2481.4	2481.4	2481.4	2481.4

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	2318.0	2318.0	2318.0	2318.0	2318.0	2318.0	2318.0	2318.0	2318.0
1.0	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1
3.0	2312.3	2312.3	2312.3	2312.3	2312.3	2312.3	2312.3	2314.2	2314.2
5.0	2300.9	2300.9	2302.8	2302.8	2302.8	2302.8	2304.7	2304.7	2304.7
7.0	2283.8	2285.7	2287.6	2289.5	2289.5	2291.4	2291.4	2291.4	2293.3
9.0	2261.0	2262.9	2264.8	2266.7	2268.6	2270.5	2272.4	2272.4	2272.4
11.0	2228.7	2234.4	2238.2	2240.1	2243.9	2245.8	2247.7	2247.7	2247.7
13.0	2190.7	2196.4	2202.1	2205.9	2209.7	2213.5	2215.4	2217.3	2217.3
15.0	2145.1	2152.7	2160.3	2166.0	2171.7	2175.5	2177.4	2179.3	2181.2

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CANDELA TABULATION - (Cont.)

17.0	2091.9	2101.4	2110.9	2118.5	2124.2	2129.9	2133.7	2135.6	2135.6
19.5	2010.2	2025.4	2036.8	2046.3	2055.8	2061.5	2065.3	2067.2	2069.1
22.5	1898.1	1917.1	1932.3	1945.6	1957.0	1964.6	1970.3	1974.1	1976.0
25.5	1763.2	1787.9	1808.8	1825.9	1837.3	1848.7	1854.4	1858.2	1860.1
29.0	1584.6	1615.0	1643.5	1664.4	1679.6	1691.0	1698.6	1702.4	1702.4
33.0	1350.9	1392.7	1423.1	1449.7	1466.8	1480.1	1487.7	1491.5	1493.4
37.5	1071.6	1119.1	1155.2	1183.7	1204.6	1217.9	1225.5	1231.2	1233.1
42.5	771.4	817.0	855.0	885.4	906.3	919.6	929.1	932.9	932.9
47.5	514.9	554.8	587.1	615.6	634.6	647.9	655.5	661.2	661.2
55.0	258.4	281.2	302.1	321.1	334.4	345.8	351.5	355.3	357.2
65.0	98.8	108.3	115.9	123.5	131.1	134.9	138.7	142.5	142.5
75.0	36.1	39.9	41.8	45.6	47.5	49.4	51.3	53.2	53.2
85.0	7.6	7.6	9.5	9.5	9.5	9.5	9.5	11.4	11.4
90.0	20.9	17.1	15.2	11.4	9.5	7.6	5.7	3.8	3.8
95.0	76.0	76.0	76.0	76.0	74.1	74.1	72.2	72.2	72.2
100.0	184.3	186.2	186.2	186.2	186.2	186.2	186.2	186.2	186.2
105.0	319.2	323.0	324.9	330.6	332.5	332.5	332.5	332.5	332.5
110.0	484.5	492.1	499.7	503.5	507.3	507.3	509.2	509.2	509.2
115.0	682.1	691.6	697.3	703.0	706.8	708.7	710.6	712.5	712.5
120.0	904.4	913.9	919.6	925.3	931.0	934.8	936.7	938.6	938.6
125.0	1140.0	1147.6	1155.2	1160.9	1164.7	1168.5	1172.3	1174.2	1174.2
130.0	1375.6	1383.2	1388.9	1394.6	1398.4	1402.2	1406.0	1407.9	1407.9
135.0	1599.8	1605.5	1609.3	1613.1	1616.9	1620.7	1622.6	1624.5	1624.5
140.0	1799.3	1803.1	1806.9	1810.7	1812.6	1816.4	1818.3	1818.3	1820.2
145.0	1972.2	1974.1	1977.9	1979.8	1981.7	1983.6	1985.5	1985.5	1985.5
150.0	2116.6	2118.5	2120.4	2122.3	2124.2	2124.2	2126.1	2126.1	2126.1
155.0	2234.4	2236.3	2236.3	2238.2	2238.2	2240.1	2240.1	2240.1	2240.1
160.0	2327.5	2329.4	2329.4	2329.4	2331.3	2331.3	2331.3	2331.3	2331.3
165.0	2397.8	2399.7	2399.7	2399.7	2399.7	2399.7	2399.7	2401.6	2401.6
170.0	2447.2	2447.2	2447.2	2447.2	2447.2	2447.2	2449.1	2449.1	2449.1
175.0	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7	2475.7
180.0	2481.4	2481.4	2481.4	2481.4	2481.4	2481.4	2481.4	2481.4	2481.4

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U2S2_BL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	778.95	N.A.	8.00
0-30	1529.46	N.A.	15.80
0-40	2166.78	N.A.	22.40
0-60	2918.00	N.A.	30.10
0-80	3140.67	N.A.	32.40
0-90	3171.44	N.A.	32.80
10-90	2994.41	N.A.	30.90
20-40	1387.84	N.A.	14.30
20-50	1912.49	N.A.	19.80
40-70	908.36	N.A.	9.40
60-80	222.67	N.A.	2.30
70-80	65.53	N.A.	0.70
80-90	30.76	N.A.	0.30
90-110	435.02	N.A.	4.50
90-120	1103.51	N.A.	11.40
90-130	2112.14	N.A.	21.80
90-150	4566.84	N.A.	47.20
90-180	6507.48	N.A.	67.20
110-180	6072.46	N.A.	62.70
0-180	9678.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	177.03
10-20	601.92
20-30	750.52
30-40	637.32
40-50	524.65
50-60	226.57
60-70	157.14
70-80	65.53
80-90	30.76
90-100	97.11
100-110	337.90
110-120	668.50
120-130	1008.63
130-140	1225.46
140-150	1229.24
150-160	1028.46
160-170	676.83
170-180	235.34

IES INDOOR REPORT

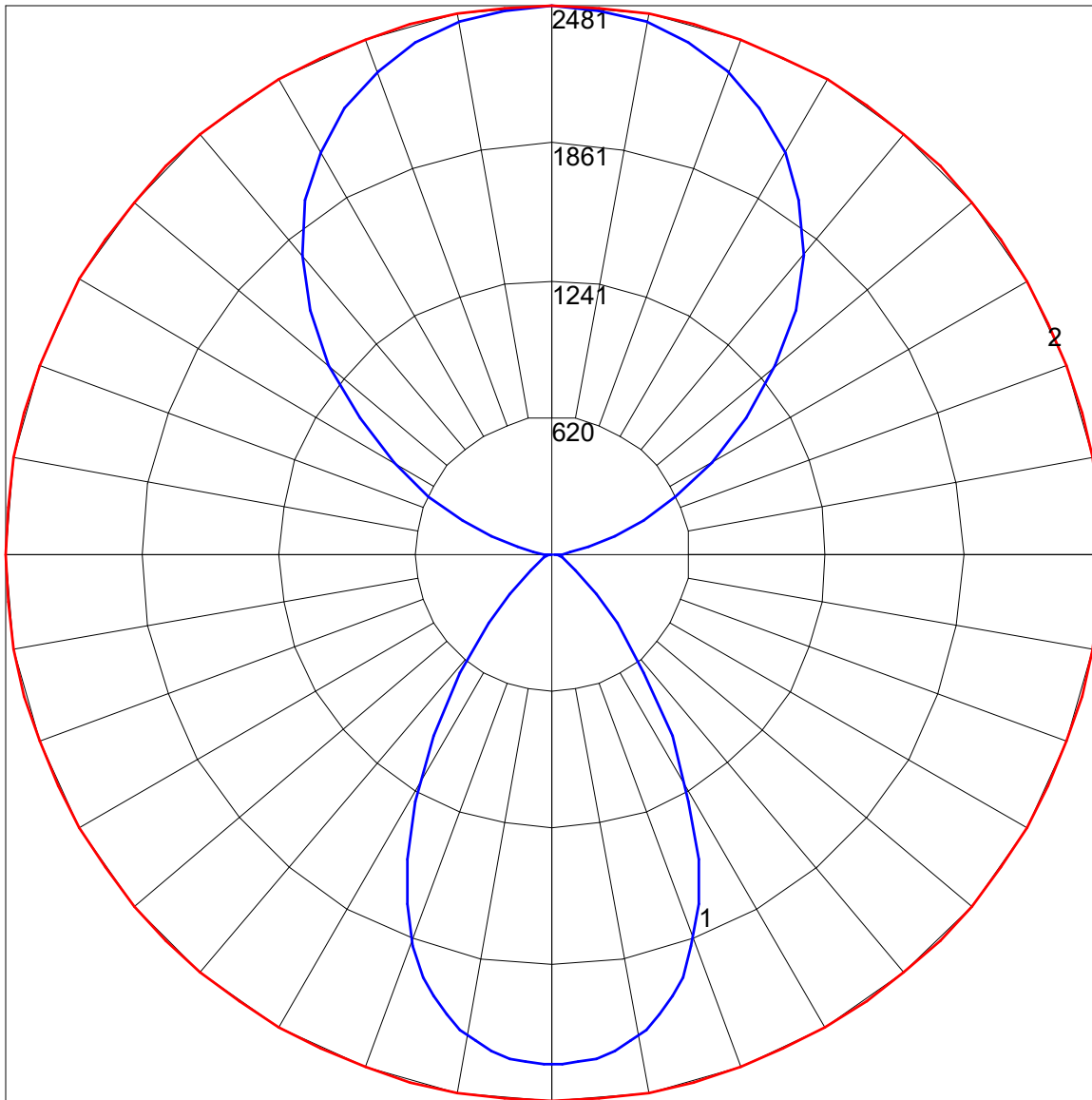
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U2S2_BL.IES

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	56	56	56	40	40	40	33
1	95	91	87	84	85	82	79	77	66	64	62	51	50	48	37	36	36	29
2	87	80	75	70	78	73	68	64	59	56	53	46	44	42	34	32	31	26
3	80	71	65	60	72	65	59	55	53	49	46	41	39	37	31	29	28	23
4	74	64	57	51	66	58	52	47	47	43	40	37	34	32	28	26	25	21
5	68	57	50	45	61	52	46	41	43	38	35	34	31	28	26	24	22	19
6	63	52	44	39	57	47	41	36	39	34	31	31	28	25	24	22	20	17
7	58	47	40	35	53	43	37	32	36	31	27	29	25	23	22	20	18	16
8	54	43	36	31	49	39	33	29	33	28	25	26	23	21	20	18	17	14
9	51	39	32	28	46	36	30	26	30	26	22	24	21	19	19	17	15	13
10	47	36	29	25	43	33	27	23	28	23	20	23	19	17	18	16	14	12

POLAR GRAPH



Maximum Candela = 2481.4 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.)