

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-359-U1S2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	81	84	86	87
Total Lumens, 4' rail length (1219mm)	8720	8996	9179	9271
Lumens per foot (305mm)	2180	2249	2295	2318
Lumens per foot UP (305mm)	1438	1484	1514	1529
Lumens per foot DOWN (305mm)	742	765	781	789
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_U1S2_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911549 (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-U1S2-BL

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

[MORE] 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	9179
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
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	5069	8261	10627
55	2233	3942	5845
65	1123	1953	3236
75	652	1066	1947
85	362	545	1071

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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	2300.9	2300.9	2300.9	2300.9	2300.9	2300.9	2300.9	2300.9	2300.9	2300.9
1.0	2300.9	2300.9	2300.9	2300.9	2300.9	2300.9	2300.9	2300.9	2300.9	2300.9
3.0	2297.1	2295.2	2295.2	2295.2	2295.2	2297.1	2297.1	2297.1	2297.1	2297.1
5.0	2281.9	2281.9	2281.9	2281.9	2281.9	2283.8	2283.8	2283.8	2285.7	2285.7
7.0	2259.1	2259.1	2261.0	2261.0	2261.0	2262.9	2264.8	2264.8	2266.7	2268.6
9.0	2226.8	2228.7	2228.7	2230.6	2230.6	2232.5	2236.3	2238.2	2240.1	2243.9
11.0	2186.9	2186.9	2186.9	2188.8	2192.6	2194.5	2198.3	2202.1	2207.8	2211.6
13.0	2133.7	2135.6	2135.6	2139.4	2143.2	2147.0	2152.7	2158.4	2164.1	2169.8
15.0	2071.0	2072.9	2074.8	2078.6	2084.3	2090.0	2097.6	2105.2	2112.8	2120.4
17.0	1996.9	1996.9	2000.7	2006.4	2014.0	2023.5	2033.0	2044.4	2055.8	2063.4
19.5	1884.8	1886.7	1890.5	1900.0	1911.4	1922.8	1938.0	1953.2	1966.5	1981.7
22.5	1725.2	1727.1	1734.7	1746.1	1761.3	1780.3	1801.2	1822.1	1843.0	1862.0
25.5	1539.0	1542.8	1552.3	1567.5	1588.4	1613.1	1639.7	1668.2	1694.8	1721.4
29.0	1299.6	1303.4	1314.8	1335.7	1360.4	1392.7	1426.9	1463.0	1499.1	1531.4
33.0	1014.6	1018.4	1033.6	1056.4	1086.8	1124.8	1164.7	1210.3	1254.0	1293.9
37.5	720.1	723.9	737.2	760.0	790.4	828.4	872.1	919.6	967.1	1010.8
42.5	459.8	463.6	475.0	492.1	518.7	551.0	587.1	628.9	674.5	716.3
47.5	283.1	285.0	292.6	305.9	324.9	347.7	374.3	404.7	438.9	473.1
55.0	136.8	136.8	140.6	148.2	157.7	169.1	182.4	199.5	216.6	235.6
65.0	53.2	53.2	55.1	57.0	60.8	64.6	70.3	76.0	83.6	89.3
75.0	20.9	20.9	20.9	20.9	22.8	24.7	26.6	28.5	30.4	32.3
85.0	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	7.6
90.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
95.0	58.9	60.8	60.8	60.8	60.8	60.8	62.7	62.7	62.7	62.7
100.0	131.1	131.1	131.1	133.0	134.9	136.8	138.7	142.5	146.3	150.1
105.0	229.9	229.9	231.8	235.6	237.5	243.2	248.9	254.6	260.3	267.9
110.0	361.0	362.9	364.8	368.6	374.3	380.0	387.6	395.2	404.7	412.3
115.0	524.4	524.4	528.2	532.0	537.7	545.3	552.9	564.3	575.7	589.0
120.0	710.6	712.5	716.3	722.0	729.6	739.1	752.4	765.7	780.9	794.2
125.0	932.9	934.8	938.6	944.3	953.8	963.3	974.7	988.0	999.4	1012.7
130.0	1168.5	1168.5	1172.3	1178.0	1185.6	1193.2	1204.6	1216.0	1227.4	1240.7
135.0	1398.4	1400.3	1402.2	1407.9	1413.6	1423.1	1430.7	1442.1	1453.5	1464.9
140.0	1618.8	1620.7	1622.6	1626.4	1632.1	1639.7	1647.3	1656.8	1666.3	1677.7
145.0	1820.2	1820.2	1822.1	1825.9	1831.6	1837.3	1843.0	1852.5	1860.1	1869.6
150.0	1995.0	1996.9	1998.8	2000.7	2004.5	2008.3	2014.0	2019.7	2027.3	2033.0
155.0	2145.1	2143.2	2145.1	2147.0	2148.9	2152.7	2156.5	2162.2	2166.0	2171.7
160.0	2262.9	2262.9	2264.8	2266.7	2268.6	2270.5	2272.4	2274.3	2278.1	2280.0
165.0	2354.1	2354.1	2354.1	2356.0	2356.0	2357.9	2357.9	2359.8	2361.7	2363.6
170.0	2416.8	2416.8	2416.8	2416.8	2416.8	2416.8	2418.7	2418.7	2418.7	2420.6
175.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0
180.0	2460.5	2460.5	2460.5	2460.5	2460.5	2460.5	2460.5	2460.5	2460.5	2460.5

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	2300.9	2300.9	2300.9	2300.9	2300.9	2300.9	2300.9	2300.9	2300.9
1.0	2300.9	2300.9	2300.9	2300.9	2300.9	2302.8	2300.9	2300.9	2302.8
3.0	2297.1	2297.1	2297.1	2297.1	2299.0	2297.1	2297.1	2299.0	2297.1
5.0	2287.6	2287.6	2287.6	2287.6	2289.5	2289.5	2289.5	2289.5	2291.4
7.0	2270.5	2270.5	2272.4	2274.3	2274.3	2274.3	2276.2	2276.2	2276.2
9.0	2245.8	2247.7	2249.6	2251.5	2253.4	2255.3	2255.3	2257.2	2257.2
11.0	2215.4	2217.3	2221.1	2224.9	2226.8	2228.7	2230.6	2230.6	2230.6
13.0	2175.5	2181.2	2185.0	2188.8	2192.6	2194.5	2196.4	2198.3	2198.3
15.0	2128.0	2135.6	2141.3	2147.0	2150.8	2154.6	2156.5	2158.4	2158.4

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CANDELA TABULATION - (Cont.)

17.0	2074.8	2082.4	2090.0	2097.6	2101.4	2105.2	2109.0	2110.9	2110.9
19.5	1993.1	2004.5	2014.0	2023.5	2029.2	2033.0	2036.8	2038.7	2038.7
22.5	1879.1	1894.3	1905.7	1917.1	1924.7	1930.4	1932.3	1934.2	1936.1
25.5	1744.2	1763.2	1778.4	1789.8	1799.3	1805.0	1808.8	1812.6	1812.6
29.0	1561.8	1586.5	1605.5	1618.8	1628.3	1634.0	1637.8	1639.7	1639.7
33.0	1330.0	1358.5	1381.3	1396.5	1407.9	1413.6	1417.4	1417.4	1419.3
37.5	1052.6	1084.9	1109.6	1128.6	1138.1	1143.8	1147.6	1149.5	1149.5
42.5	754.3	788.5	813.2	832.2	843.6	849.3	853.1	855.0	855.0
47.5	505.4	533.9	554.8	571.9	583.3	590.9	596.6	598.5	598.5
55.0	254.6	271.7	286.9	298.3	307.8	315.4	321.1	323.0	324.9
65.0	96.9	104.5	110.2	115.9	121.6	127.3	129.2	131.1	133.0
75.0	36.1	38.0	39.9	43.7	45.6	47.5	49.4	49.4	49.4
85.0	7.6	7.6	7.6	9.5	9.5	9.5	9.5	9.5	9.5
90.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
95.0	62.7	62.7	62.7	64.6	64.6	64.6	64.6	66.5	66.5
100.0	152.0	155.8	159.6	161.5	163.4	167.2	169.1	169.1	169.1
105.0	273.6	279.3	283.1	290.7	296.4	298.3	300.2	300.2	300.2
110.0	421.8	431.3	442.7	450.3	454.1	457.9	457.9	459.8	459.8
115.0	604.2	615.6	625.1	632.7	636.5	642.2	644.1	646.0	646.0
120.0	807.5	818.9	828.4	837.9	845.5	851.2	855.0	856.9	856.9
125.0	1026.0	1037.4	1050.7	1060.2	1069.7	1077.3	1083.0	1084.9	1086.8
130.0	1254.0	1265.4	1278.7	1290.1	1299.6	1309.1	1314.8	1318.6	1318.6
135.0	1478.2	1489.6	1502.9	1514.3	1523.8	1533.3	1539.0	1542.8	1542.8
140.0	1689.1	1700.5	1711.9	1721.4	1730.9	1736.6	1742.3	1746.1	1746.1
145.0	1879.1	1888.6	1896.2	1905.7	1911.4	1917.1	1920.9	1924.7	1924.7
150.0	2040.6	2048.2	2053.9	2061.5	2065.3	2069.1	2072.9	2074.8	2074.8
155.0	2175.5	2181.2	2185.0	2188.8	2192.6	2194.5	2196.4	2198.3	2198.3
160.0	2283.8	2287.6	2289.5	2291.4	2293.3	2295.2	2295.2	2297.1	2297.1
165.0	2363.6	2365.5	2367.4	2367.4	2369.3	2369.3	2369.3	2371.2	2371.2
170.0	2420.6	2420.6	2420.6	2422.5	2422.5	2422.5	2422.5	2422.5	2422.5
175.0	2451.0	2452.9	2451.0	2451.0	2451.0	2451.0	2452.9	2452.9	2452.9
180.0	2460.5	2460.5	2460.5	2460.5	2460.5	2460.5	2460.5	2460.5	2460.5

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	773.44	N.A.	8.40
0-30	1516.54	N.A.	16.50
0-40	2144.71	N.A.	23.40
0-60	2879.55	N.A.	31.40
0-80	3097.7	N.A.	33.70
0-90	3123.02	N.A.	34.00
10-90	2947.13	N.A.	32.10
20-40	1371.28	N.A.	14.90
20-50	1884.99	N.A.	20.50
40-70	888.60	N.A.	9.70
60-80	218.15	N.A.	2.40
70-80	64.39	N.A.	0.70
80-90	25.32	N.A.	0.30
90-110	364.91	N.A.	4.00
90-120	953.02	N.A.	10.40
90-130	1859.22	N.A.	20.30
90-150	4157.75	N.A.	45.30
90-180	6056.19	N.A.	66.00
110-180	5691.28	N.A.	62.00
0-180	9179.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	175.89
10-20	597.54
20-30	743.10
30-40	628.17
40-50	513.71
50-60	221.12
60-70	153.76
70-80	64.39
80-90	25.32
90-100	75.95
100-110	288.96
110-120	588.11
120-130	906.20
130-140	1130.82
140-150	1167.71
150-160	999.12
160-170	666.35
170-180	232.97

IES INDOOR REPORT

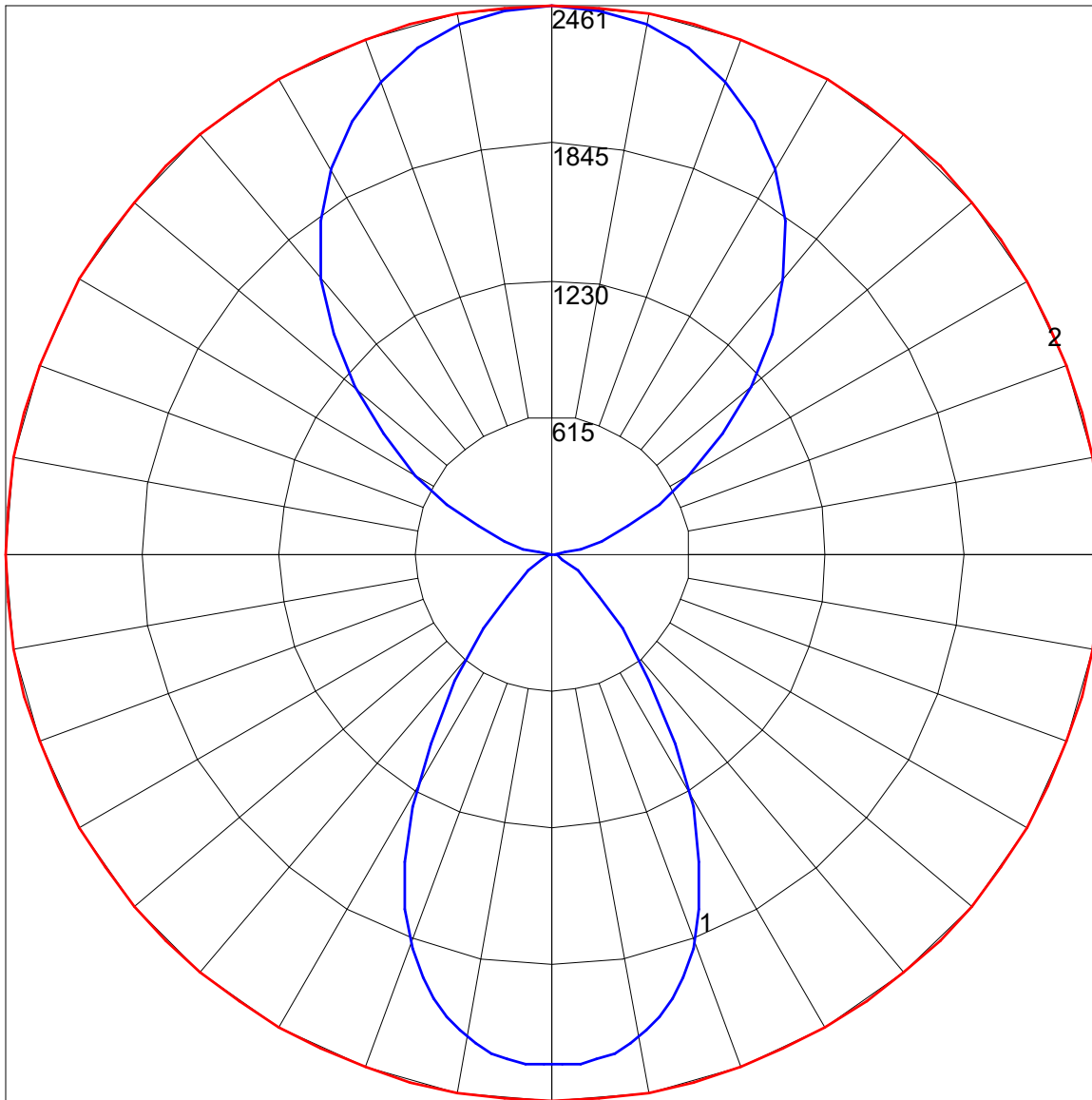
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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
1	95	91	88	85	86	83	80	77	66	65	63	52	50	49	38	37	37	30
2	87	81	75	71	79	73	69	65	59	56	54	46	44	43	35	33	32	27
3	80	72	65	60	72	65	60	55	53	49	46	42	39	37	32	30	29	24
4	74	64	57	52	67	59	52	48	48	44	40	38	35	33	29	27	26	22
5	68	58	50	45	62	53	46	42	43	39	35	35	32	29	27	25	23	20
6	63	52	45	39	57	48	41	37	40	35	31	32	29	26	25	22	21	18
7	59	47	40	35	53	43	37	33	36	31	28	29	26	23	23	21	19	16
8	55	43	36	31	49	40	33	29	33	28	25	27	24	21	21	19	17	15
9	51	40	33	28	46	36	30	26	31	26	23	25	22	19	20	18	16	14
10	48	36	30	25	43	34	28	24	28	24	21	23	20	18	18	16	15	13

POLAR GRAPH



Maximum Candela = 2460.5 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.)