

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-359-U2S1-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	85	88	89	93
Total Lumens, 4' rail length (1219mm)	9083	9370	9561	9656
Lumens per foot (305mm)	2271	2342	2390	2414
Lumens per foot UP (305mm)	1553	1602	1634	1651
Lumens per foot DOWN (305mm)	718	741	756	763
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_U2S1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911552 (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-U2S1-AL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 90 CRI, zipper board, symmetric lens with edgeglow up/40°

[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	9561
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
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	4188	6968	12044
55	2947	4578	8203
65	2406	3408	6055
75	1897	2509	4418
85	1085	1363	2571

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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	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9
1.0	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9
3.0	2272.4	2272.4	2272.4	2272.4	2272.4	2274.3	2274.3	2274.3	2276.2	2276.2
5.0	2240.1	2240.1	2242.0	2242.0	2243.9	2245.8	2249.6	2251.5	2253.4	2257.2
7.0	2192.6	2192.6	2194.5	2196.4	2200.2	2204.0	2209.7	2213.5	2219.2	2224.9
9.0	2126.1	2126.1	2128.0	2133.7	2139.4	2147.0	2154.6	2164.1	2173.6	2183.1
11.0	2042.5	2044.4	2048.2	2053.9	2063.4	2074.8	2086.2	2101.4	2114.7	2129.9
13.0	1943.7	1945.6	1951.3	1960.8	1972.2	1987.4	2004.5	2025.4	2046.3	2067.2
15.0	1829.7	1831.6	1839.2	1850.6	1867.7	1886.7	1909.5	1936.1	1962.7	1991.2
17.0	1704.3	1706.2	1715.7	1730.9	1749.9	1776.5	1805.0	1835.4	1869.6	1903.8
19.5	1535.2	1539.0	1550.4	1567.5	1592.2	1624.5	1658.7	1698.6	1742.3	1786.0
22.5	1322.4	1326.2	1339.5	1362.3	1390.8	1428.8	1472.5	1520.0	1573.2	1626.4
25.5	1111.5	1117.2	1132.4	1155.2	1187.5	1229.3	1276.8	1333.8	1392.7	1455.4
29.0	887.3	893.0	908.2	931.0	965.2	1007.0	1056.4	1113.4	1179.9	1248.3
33.0	672.6	676.4	689.7	712.5	742.9	782.8	830.3	885.4	950.0	1016.5
37.5	490.2	494.0	505.4	522.5	547.2	579.5	619.4	668.8	723.9	786.6
42.5	351.5	355.3	362.9	376.2	393.3	418.0	448.4	484.5	530.1	579.5
47.5	262.2	264.1	269.8	279.3	292.6	309.7	330.6	357.2	387.6	423.7
55.0	180.5	182.4	184.3	190.0	197.6	207.1	218.5	233.7	252.7	273.6
65.0	114.0	114.0	115.9	117.8	121.6	125.4	131.1	138.7	146.3	155.8
75.0	60.8	62.7	62.7	62.7	64.6	66.5	68.4	70.3	74.1	76.0
85.0	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	19.0	19.0
90.0	38.0	38.0	38.0	36.1	34.2	32.3	30.4	28.5	24.7	22.8
95.0	85.5	85.5	85.5	83.6	83.6	81.7	79.8	77.9	77.9	76.0
100.0	161.5	163.4	163.4	163.4	165.3	167.2	169.1	171.0	172.9	176.7
105.0	281.2	281.2	283.1	285.0	288.8	292.6	296.4	300.2	305.9	309.7
110.0	433.2	435.1	437.0	438.9	442.7	448.4	454.1	461.7	467.4	475.0
115.0	621.3	621.3	623.2	628.9	632.7	640.3	647.9	657.4	666.9	678.3
120.0	845.5	845.5	849.3	853.1	860.7	870.2	879.7	889.2	900.6	912.0
125.0	1098.2	1098.2	1102.0	1105.8	1113.4	1121.0	1128.6	1138.1	1147.6	1155.2
130.0	1352.8	1352.8	1356.6	1358.5	1364.2	1369.9	1375.6	1381.3	1387.0	1394.6
135.0	1588.4	1588.4	1588.4	1592.2	1594.1	1597.9	1601.7	1605.5	1609.3	1615.0
140.0	1791.7	1791.7	1793.6	1793.6	1795.5	1797.4	1801.2	1803.1	1805.0	1806.9
145.0	1964.6	1964.6	1964.6	1966.5	1966.5	1968.4	1968.4	1970.3	1972.2	1972.2
150.0	2107.1	2107.1	2107.1	2107.1	2107.1	2109.0	2109.0	2110.9	2110.9	2110.9
155.0	2223.0	2223.0	2223.0	2223.0	2223.0	2223.0	2223.0	2223.0	2223.0	2224.9
160.0	2312.3	2312.3	2312.3	2312.3	2312.3	2312.3	2314.2	2314.2	2314.2	2314.2
165.0	2382.6	2382.6	2382.6	2382.6	2382.6	2382.6	2382.6	2382.6	2382.6	2382.6
170.0	2430.1	2430.1	2430.1	2430.1	2432.0	2430.1	2432.0	2432.0	2432.0	2432.0
175.0	2458.6	2458.6	2458.6	2460.5	2458.6	2458.6	2458.6	2458.6	2460.5	2460.5
180.0	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2

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	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9
1.0	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9
3.0	2278.1	2278.1	2278.1	2278.1	2280.0	2280.0	2280.0	2281.9	2280.0
5.0	2259.1	2261.0	2264.8	2266.7	2268.6	2270.5	2270.5	2272.4	2272.4
7.0	2232.5	2238.2	2243.9	2247.7	2251.5	2255.3	2257.2	2259.1	2259.1
9.0	2194.5	2204.0	2213.5	2221.1	2228.7	2234.4	2238.2	2240.1	2242.0
11.0	2147.0	2160.3	2175.5	2186.9	2198.3	2207.8	2213.5	2217.3	2219.2
13.0	2088.1	2109.0	2128.0	2147.0	2160.3	2173.6	2181.2	2186.9	2188.8
15.0	2017.8	2046.3	2071.0	2093.8	2112.8	2129.9	2141.3	2148.9	2150.8

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CANDELA TABULATION - (Cont.)

17.0	1939.9	1974.1	2006.4	2034.9	2059.6	2080.5	2093.8	2103.3	2105.2
19.5	1829.7	1873.4	1913.3	1949.4	1981.7	2006.4	2025.4	2034.9	2038.7
22.5	1681.5	1734.7	1784.1	1831.6	1869.6	1900.0	1922.8	1938.0	1941.8
25.5	1520.0	1580.8	1639.7	1694.8	1740.4	1776.5	1803.1	1820.2	1824.0
29.0	1318.6	1388.9	1453.5	1516.2	1567.5	1611.2	1639.7	1658.7	1664.4
33.0	1090.6	1162.8	1233.1	1299.6	1354.7	1400.3	1432.6	1451.6	1457.3
37.5	853.1	921.5	989.9	1052.6	1105.8	1151.4	1183.7	1202.7	1208.4
42.5	632.7	689.7	746.7	801.8	847.4	887.3	915.8	932.9	938.6
47.5	465.5	507.3	551.0	594.7	632.7	665.0	687.8	703.0	708.7
55.0	296.4	323.0	349.6	376.2	400.9	423.7	440.8	452.2	456.0
65.0	167.2	178.6	191.9	205.2	218.5	229.9	239.4	245.1	248.9
75.0	81.7	85.5	91.2	95.0	100.7	104.5	108.3	112.1	112.1
85.0	19.0	19.0	20.9	20.9	22.8	22.8	22.8	22.8	22.8
90.0	19.0	17.1	15.2	13.3	11.4	9.5	7.6	5.7	5.7
95.0	74.1	74.1	74.1	74.1	72.2	72.2	72.2	72.2	72.2
100.0	178.6	180.5	180.5	182.4	184.3	186.2	188.1	188.1	186.2
105.0	313.5	317.3	321.1	326.8	332.5	334.4	334.4	334.4	334.4
110.0	482.6	492.1	499.7	507.3	511.1	513.0	514.9	514.9	514.9
115.0	689.7	699.2	706.8	712.5	718.2	720.1	722.0	723.9	723.9
120.0	921.5	929.1	936.7	942.4	948.1	950.0	953.8	953.8	955.7
125.0	1162.8	1170.4	1176.1	1181.8	1185.6	1187.5	1191.3	1191.3	1193.2
130.0	1398.4	1404.1	1409.8	1413.6	1415.5	1419.3	1421.2	1421.2	1421.2
135.0	1616.9	1620.7	1624.5	1626.4	1628.3	1630.2	1632.1	1632.1	1634.0
140.0	1808.8	1810.7	1812.6	1814.5	1816.4	1818.3	1818.3	1820.2	1820.2
145.0	1974.1	1974.1	1976.0	1976.0	1977.9	1979.8	1979.8	1979.8	1979.8
150.0	2110.9	2112.8	2112.8	2114.7	2114.7	2114.7	2116.6	2116.6	2114.7
155.0	2224.9	2224.9	2226.8	2226.8	2226.8	2228.7	2228.7	2228.7	2228.7
160.0	2314.2	2316.1	2316.1	2316.1	2316.1	2316.1	2318.0	2318.0	2318.0
165.0	2384.5	2384.5	2384.5	2384.5	2384.5	2384.5	2384.5	2384.5	2384.5
170.0	2432.0	2432.0	2432.0	2432.0	2432.0	2432.0	2432.0	2432.0	2432.0
175.0	2458.6	2458.6	2458.6	2460.5	2458.6	2458.6	2458.6	2458.6	2458.6
180.0	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	734.67	N.A.	7.70
0-30	1382.33	N.A.	14.50
0-40	1908.00	N.A.	20.00
0-60	2608.72	N.A.	27.30
0-80	2957.16	N.A.	30.90
0-90	3023.22	N.A.	31.60
10-90	2850.25	N.A.	29.80
20-40	1173.34	N.A.	12.30
20-50	1633.19	N.A.	17.10
40-70	920.58	N.A.	9.60
60-80	348.43	N.A.	3.60
70-80	128.57	N.A.	1.30
80-90	66.07	N.A.	0.70
90-110	430.98	N.A.	4.50
90-120	1106.96	N.A.	11.60
90-130	2134.52	N.A.	22.30
90-150	4605.95	N.A.	48.20
90-180	6537.51	N.A.	68.40
110-180	6106.53	N.A.	63.90
0-180	9560.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	172.98
10-20	561.69
20-30	647.66
30-40	525.67
40-50	459.86
50-60	240.86
60-70	219.86
70-80	128.57
80-90	66.07
90-100	96.09
100-110	334.88
110-120	675.98
120-130	1027.56
130-140	1239.62
140-150	1231.81
150-160	1024.91
160-170	672.82
170-180	233.83

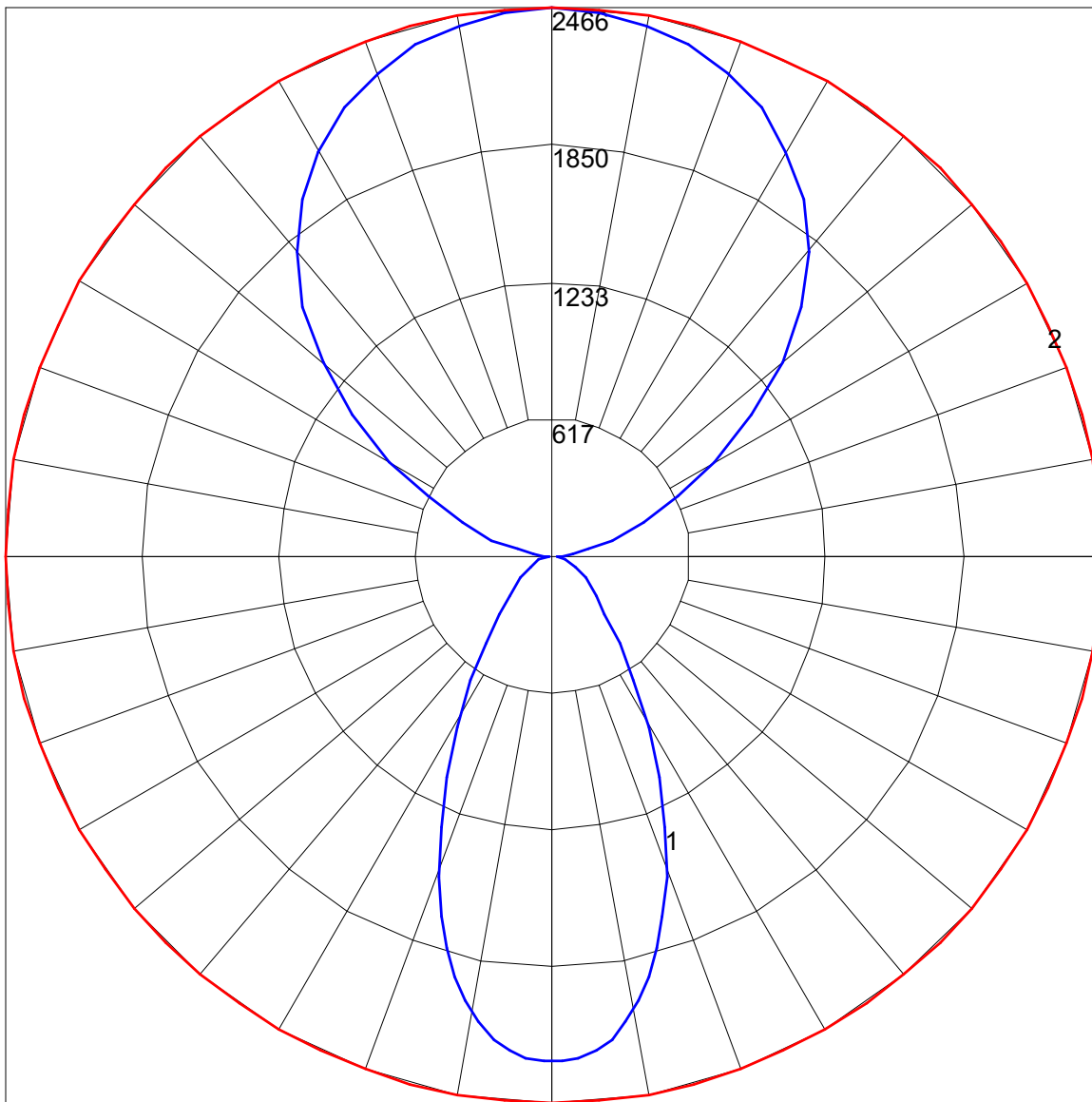
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92	92	92	92	73	73	73	55	55	55	39	39	39	32
1	94	90	86	83	85	81	78	75	65	63	61	49	48	47	35	35	34	27
2	86	79	74	69	77	72	67	63	57	54	51	44	42	40	32	31	30	24
3	79	70	64	58	71	64	58	53	51	47	44	40	37	35	29	27	26	21
4	73	63	55	50	65	57	51	46	46	42	38	36	33	30	26	25	23	19
5	67	56	49	43	60	51	45	40	42	37	33	33	29	27	24	22	21	17
6	62	51	43	38	56	46	40	35	38	33	29	30	26	24	22	20	19	16
7	57	46	39	33	52	42	36	31	34	30	26	27	24	22	21	19	17	14
8	53	42	35	30	48	38	32	28	32	27	24	25	22	19	19	17	15	13
9	50	38	31	27	45	35	29	25	29	24	21	23	20	18	18	16	14	12
10	47	35	29	24	42	32	26	22	27	22	19	22	18	16	17	15	13	11

POLAR GRAPH



Maximum Candela = 2466.2 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.)