

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	95	98	100	104
Total Lumens, 4' rail length (1219mm)	10131	10451	10664	10877
Lumens per foot (305mm)	2533	2613	2666	2719
Lumens per foot UP (305mm)	1444	1490	1520	1473
Lumens per foot DOWN (305mm)	1088	1123	1146	1110
Input Power (W), 4' rail length (1219mm)	107.2	107.2	107.2	107.2
Watts per foot (305mm)	26.8	26.8	26.8	26.8
CRI*	96	96	96	96

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.

* R9: ~74 @ 3500K



IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U2S7_AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L031805806R01 (SOURCE REPORT FOR REFERENCE)
 [TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
 [ISSUEDATE] 4/12/2018
 [MANUFAC] Vode Lighting
 [LUMCAT] 707-Z3-CC-Z-HO-359-U2S7-AL
 [LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,
 [MORE] symmetric lens with edgeglow up/80° 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	10664
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	107.19
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)	0.25 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	12423	16532	17178
55	6619	10650	12121
65	3816	6327	8364
75	2383	3758	5763
85	985	1396	2897

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	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7
1.0	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7
3.0	2319.9	2319.9	2319.9	2319.9	2319.9	2319.9	2319.9	2319.9	2319.9	2319.9
5.0	2312.3	2312.3	2312.3	2312.3	2314.2	2314.2	2314.2	2314.2	2314.2	2314.2
7.0	2302.8	2302.8	2302.8	2302.8	2302.8	2302.8	2304.7	2304.7	2304.7	2304.7
9.0	2287.6	2287.6	2287.6	2289.5	2289.5	2289.5	2289.5	2291.4	2291.4	2291.4
11.0	2270.5	2270.5	2270.5	2270.5	2272.4	2272.4	2272.4	2274.3	2274.3	2276.2
13.0	2247.7	2247.7	2247.7	2247.7	2249.6	2251.5	2251.5	2253.4	2253.4	2255.3
15.0	2219.2	2221.1	2221.1	2221.1	2223.0	2224.9	2226.8	2228.7	2228.7	2230.6
17.0	2186.9	2188.8	2188.8	2190.7	2192.6	2194.5	2196.4	2198.3	2200.2	2202.1
19.5	2139.4	2139.4	2141.3	2143.2	2145.1	2148.9	2152.7	2154.6	2156.5	2158.4
22.5	2065.3	2067.2	2069.1	2072.9	2076.7	2082.4	2086.2	2090.0	2093.8	2097.6
25.5	1974.1	1976.0	1979.8	1983.6	1991.2	1998.8	2006.4	2012.1	2017.8	2021.6
29.0	1837.3	1839.2	1844.9	1854.4	1865.8	1877.2	1888.6	1900.0	1907.6	1913.3
33.0	1639.7	1643.5	1653.0	1666.3	1685.3	1704.3	1723.3	1740.4	1753.7	1763.2
37.5	1368.0	1373.7	1387.0	1406.0	1432.6	1461.1	1491.5	1520.0	1540.9	1558.0
42.5	1033.6	1039.3	1056.4	1081.1	1113.4	1151.4	1191.3	1231.2	1265.4	1290.1
47.5	722.0	727.7	742.9	767.6	801.8	841.7	883.5	929.1	970.9	1003.2
55.0	391.4	393.3	404.7	421.8	444.6	473.1	507.3	543.4	581.4	613.7
65.0	174.8	176.7	180.5	186.2	195.7	209.0	224.2	241.3	260.3	279.3
75.0	74.1	76.0	76.0	77.9	81.7	85.5	89.3	95.0	102.6	110.2
85.0	15.2	15.2	15.2	15.2	15.2	17.1	17.1	17.1	19.0	19.0
90.0	28.5	28.5	28.5	26.6	26.6	24.7	22.8	20.9	19.0	17.1
95.0	77.9	77.9	77.9	77.9	76.0	76.0	74.1	72.2	72.2	70.3
100.0	163.4	163.4	163.4	163.4	163.4	163.4	163.4	163.4	163.4	163.4
105.0	267.9	269.8	269.8	271.7	271.7	273.6	275.5	277.4	281.2	283.1
110.0	402.8	404.7	404.7	406.6	410.4	414.2	418.0	421.8	427.5	431.3
115.0	568.1	568.1	570.0	573.8	577.6	583.3	589.0	594.7	602.3	609.9
120.0	760.0	761.9	763.8	767.6	771.4	779.0	784.7	794.2	803.7	811.3
125.0	976.6	978.5	980.4	984.2	989.9	997.5	1005.1	1014.6	1024.1	1035.5
130.0	1208.4	1208.4	1212.2	1216.0	1221.7	1229.3	1236.9	1246.4	1255.9	1265.4
135.0	1438.3	1440.2	1442.1	1445.9	1451.6	1457.3	1464.9	1472.5	1480.1	1487.7
140.0	1654.9	1656.8	1658.7	1660.6	1664.4	1668.2	1673.9	1679.6	1685.3	1689.1
145.0	1844.9	1844.9	1844.9	1846.8	1848.7	1852.5	1854.4	1858.2	1860.1	1863.9
150.0	1998.8	1998.8	1998.8	2000.7	2000.7	2002.6	2004.5	2004.5	2006.4	2008.3
155.0	2120.4	2120.4	2122.3	2122.3	2122.3	2122.3	2124.2	2124.2	2126.1	2126.1
160.0	2217.3	2217.3	2217.3	2217.3	2219.2	2219.2	2221.1	2221.1	2221.1	2223.0
165.0	2291.4	2291.4	2291.4	2291.4	2291.4	2291.4	2291.4	2291.4	2293.3	2293.3
170.0	2342.7	2340.8	2342.7	2342.7	2342.7	2342.7	2342.7	2342.7	2342.7	2342.7
175.0	2371.2	2371.2	2371.2	2371.2	2371.2	2373.1	2371.2	2373.1	2373.1	2373.1
180.0	2382.6	2382.6	2382.6	2382.6	2382.6	2382.6	2382.6	2382.6	2382.6	2382.6

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	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7
1.0	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7
3.0	2319.9	2319.9	2319.9	2319.9	2319.9	2319.9	2321.8	2321.8	2321.8
5.0	2314.2	2314.2	2314.2	2314.2	2314.2	2314.2	2314.2	2314.2	2314.2
7.0	2304.7	2304.7	2304.7	2304.7	2306.6	2306.6	2306.6	2306.6	2306.6
9.0	2291.4	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3
11.0	2276.2	2276.2	2276.2	2278.1	2278.1	2278.1	2278.1	2278.1	2278.1
13.0	2255.3	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2259.1
15.0	2230.6	2232.5	2232.5	2234.4	2234.4	2234.4	2234.4	2234.4	2234.4

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CANDELA TABULATION - (Cont.)

17.0	2202.1	2204.0	2204.0	2204.0	2204.0	2204.0	2204.0	2204.0	2204.0
19.5	2160.3	2160.3	2162.2	2162.2	2160.3	2160.3	2160.3	2160.3	2160.3
22.5	2097.6	2099.5	2099.5	2097.6	2097.6	2095.7	2093.8	2093.8	2093.8
25.5	2023.5	2023.5	2023.5	2021.6	2017.8	2015.9	2014.0	2012.1	2012.1
29.0	1917.1	1917.1	1915.2	1911.4	1907.6	1903.8	1900.0	1898.1	1898.1
33.0	1768.9	1768.9	1767.0	1761.3	1755.6	1748.0	1744.2	1740.4	1738.5
37.5	1567.5	1569.4	1567.5	1559.9	1550.4	1540.9	1533.3	1529.5	1525.7
42.5	1307.2	1312.9	1311.0	1303.4	1292.0	1282.5	1273.0	1265.4	1263.5
47.5	1027.9	1039.3	1039.3	1033.6	1024.1	1012.7	1005.1	997.5	995.6
55.0	640.3	657.4	665.0	666.9	663.1	657.4	651.7	647.9	647.9
65.0	296.4	309.7	321.1	326.8	330.6	332.5	332.5	330.6	330.6
75.0	117.8	123.5	129.2	134.9	136.8	138.7	140.6	140.6	140.6
85.0	20.9	20.9	22.8	24.7	24.7	24.7	24.7	24.7	24.7
90.0	15.2	13.3	11.4	7.6	7.6	5.7	3.8	1.9	1.9
95.0	68.4	66.5	64.6	62.7	60.8	58.9	58.9	57.0	55.1
100.0	163.4	163.4	163.4	161.5	161.5	161.5	159.6	159.6	159.6
105.0	285.0	288.8	290.7	292.6	292.6	294.5	294.5	294.5	294.5
110.0	437.0	442.7	446.5	450.3	454.1	454.1	456.0	456.0	456.0
115.0	617.5	623.2	630.8	636.5	640.3	642.2	644.1	646.0	646.0
120.0	820.8	830.3	837.9	845.5	851.2	855.0	856.9	858.8	858.8
125.0	1045.0	1054.5	1062.1	1069.7	1075.4	1079.2	1083.0	1083.0	1084.9
130.0	1274.9	1282.5	1290.1	1295.8	1301.5	1305.3	1307.2	1309.1	1309.1
135.0	1495.3	1501.0	1506.7	1510.5	1516.2	1518.1	1520.0	1521.9	1521.9
140.0	1694.8	1696.7	1700.5	1704.3	1708.1	1710.0	1711.9	1711.9	1713.8
145.0	1865.8	1867.7	1871.5	1873.4	1875.3	1875.3	1877.2	1879.1	1879.1
150.0	2010.2	2012.1	2014.0	2014.0	2015.9	2015.9	2017.8	2017.8	2017.8
155.0	2128.0	2129.9	2129.9	2129.9	2131.8	2131.8	2133.7	2133.7	2133.7
160.0	2223.0	2223.0	2223.0	2223.0	2223.0	2224.9	2224.9	2224.9	2224.9
165.0	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2295.2	2295.2
170.0	2342.7	2342.7	2342.7	2342.7	2342.7	2342.7	2342.7	2344.6	2344.6
175.0	2373.1	2373.1	2373.1	2373.1	2373.1	2373.1	2373.1	2373.1	2373.1
180.0	2382.6	2382.6	2382.6	2382.6	2382.6	2382.6	2382.6	2382.6	2382.6

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	808.31	N.A.	7.60
0-30	1674.82	N.A.	15.70
0-40	2542.94	N.A.	23.80
0-60	3916.09	N.A.	36.70
0-80	4502.64	N.A.	42.20
0-90	4582.16	N.A.	43.00
10-90	4403.65	N.A.	41.30
20-40	1734.64	N.A.	16.30
20-50	2629.56	N.A.	24.70
40-70	1766.74	N.A.	16.60
60-80	586.56	N.A.	5.50
70-80	192.96	N.A.	1.80
80-90	79.52	N.A.	0.70
90-110	392.01	N.A.	3.70
90-120	1000.56	N.A.	9.40
90-130	1925.86	N.A.	18.10
90-150	4229.91	N.A.	39.70
90-180	6081.86	N.A.	57.00
110-180	5689.85	N.A.	53.40
0-180	10664.02	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	178.52
10-20	629.79
20-30	866.51
30-40	868.12
40-50	894.92
50-60	478.22
60-70	393.59
70-80	192.96
80-90	79.52
90-100	86.22
100-110	305.78
110-120	608.56
120-130	925.29
130-140	1141.95
140-150	1162.1
150-160	979.42
160-170	647.00
170-180	225.53

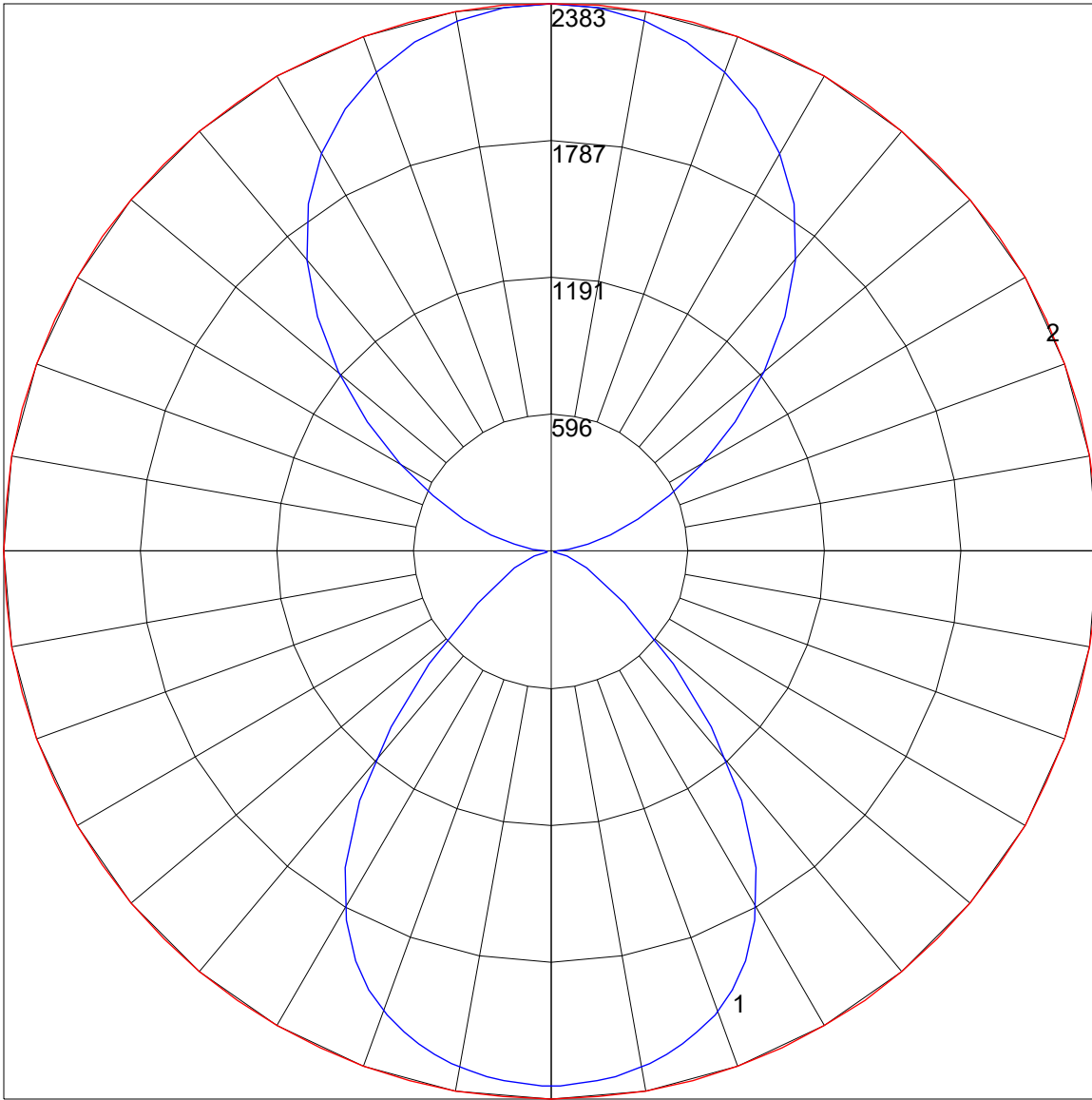
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	
0	105	105	105	105	96	96	96	96	79	79	79	64	64	64	50	50	50	43
1	97	93	89	86	88	85	82	79	70	68	66	57	55	54	45	44	43	37
2	88	81	76	71	81	75	70	66	62	59	56	51	48	46	40	38	37	32
3	81	72	65	60	74	66	60	55	55	51	47	45	42	40	36	34	32	28
4	74	64	57	51	68	59	52	47	49	45	41	41	37	34	32	30	28	24
5	68	57	50	44	62	53	46	41	45	39	36	37	33	30	29	27	25	21
6	63	52	44	38	58	48	41	36	40	35	31	33	30	27	27	24	22	19
7	59	47	39	34	53	43	36	32	37	31	28	30	27	24	25	22	20	17
8	54	43	35	30	50	39	33	28	34	28	25	28	24	21	23	20	18	16
9	51	39	32	27	46	36	30	25	31	26	22	26	22	19	21	18	16	14
10	47	36	29	24	43	33	27	23	28	23	20	24	20	17	20	17	15	13

POLAR GRAPH



Maximum Candela = 2382.6 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)