

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-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	76	78	80	83
Total Lumens, 4' rail length (1219mm)	8101	8357	8528	8613
Lumens per foot (305mm)	2025	2089	2132	2153
Lumens per foot UP (305mm)	1548	1597	1630	1646
Lumens per foot DOWN (305mm)	477	492	502	507
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

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.



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_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-359-U2S1-BL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 90 CRI, zipper board, symmetric lens with edge glow 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	8528
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
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	1789	3814	8363
55	837	1780	4067
65	441	956	1988
75	296	502	1123
85	121	273	643

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U2S1_BL.IES

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	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7
1.0	1903.8	1903.8	1903.8	1903.8	1903.8	1903.8	1903.8	1903.8	1903.8	1903.8
3.0	1892.4	1892.4	1892.4	1894.3	1894.3	1894.3	1896.2	1896.2	1896.2	1898.1
5.0	1858.2	1858.2	1860.1	1862.0	1862.0	1865.8	1867.7	1869.6	1873.4	1877.2
7.0	1808.8	1808.8	1810.7	1814.5	1816.4	1822.1	1827.8	1833.5	1839.2	1844.9
9.0	1738.5	1738.5	1742.3	1746.1	1751.8	1759.4	1768.9	1778.4	1789.8	1801.2
11.0	1653.0	1654.9	1658.7	1664.4	1673.9	1685.3	1698.6	1713.8	1729.0	1746.1
13.0	1554.2	1556.1	1561.8	1569.4	1582.7	1597.9	1616.9	1635.9	1658.7	1681.5
15.0	1440.2	1444.0	1449.7	1463.0	1478.2	1499.1	1521.9	1548.5	1577.0	1605.5
17.0	1320.5	1322.4	1331.9	1347.1	1366.1	1390.8	1419.3	1451.6	1485.8	1520.0
19.5	1159.0	1162.8	1172.3	1191.3	1214.1	1244.5	1278.7	1316.7	1360.4	1404.1
22.5	965.2	969.0	982.3	1001.3	1027.9	1062.1	1102.0	1149.5	1200.8	1254.0
25.5	779.0	784.7	796.1	817.0	845.5	881.6	925.3	976.6	1033.6	1092.5
29.0	589.0	592.8	604.2	625.1	651.7	687.8	731.5	782.8	841.7	906.3
33.0	412.3	414.2	425.6	442.7	467.4	499.7	539.6	587.1	642.2	703.0
37.5	266.0	269.8	277.4	290.7	309.7	334.4	366.7	406.6	452.2	505.4
42.5	161.5	163.4	169.1	178.6	191.9	209.0	231.8	260.3	294.5	334.4
47.5	100.7	100.7	104.5	110.2	119.7	131.1	146.3	165.3	188.1	214.7
55.0	51.3	51.3	53.2	55.1	60.8	66.5	72.2	81.7	95.0	106.4
65.0	20.9	22.8	22.8	24.7	24.7	28.5	30.4	34.2	38.0	43.7
75.0	9.5	9.5	9.5	9.5	9.5	11.4	11.4	13.3	15.2	15.2
85.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8
90.0	39.9	39.9	38.0	38.0	36.1	34.2	32.3	30.4	26.6	24.7
95.0	91.2	91.2	89.3	89.3	89.3	87.4	85.5	83.6	81.7	79.8
100.0	167.2	167.2	167.2	169.1	171.0	172.9	174.8	178.6	182.4	184.3
105.0	288.8	290.7	292.6	294.5	296.4	300.2	305.9	309.7	313.5	317.3
110.0	440.8	440.8	442.7	446.5	450.3	454.1	459.8	465.5	471.2	476.9
115.0	619.4	621.3	623.2	627.0	630.8	638.4	646.0	653.6	665.0	676.4
120.0	834.1	836.0	837.9	843.6	851.2	858.8	868.3	879.7	889.2	898.7
125.0	1081.1	1081.1	1084.9	1088.7	1096.3	1102.0	1111.5	1119.1	1126.7	1136.2
130.0	1330.0	1330.0	1331.9	1335.7	1339.5	1345.2	1350.9	1358.5	1364.2	1371.8
135.0	1561.8	1563.7	1563.7	1567.5	1569.4	1575.1	1578.9	1584.6	1590.3	1596.0
140.0	1770.8	1770.8	1772.7	1774.6	1776.5	1780.3	1784.1	1787.9	1791.7	1795.5
145.0	1949.4	1951.3	1951.3	1953.2	1955.1	1957.0	1958.9	1962.7	1966.5	1968.4
150.0	2101.4	2101.4	2101.4	2103.3	2105.2	2105.2	2107.1	2109.0	2112.8	2114.7
155.0	2224.9	2224.9	2224.9	2224.9	2226.8	2226.8	2228.7	2228.7	2232.5	2232.5
160.0	2321.8	2321.8	2321.8	2321.8	2321.8	2323.7	2323.7	2325.6	2325.6	2327.5
165.0	2394.0	2394.0	2394.0	2395.9	2395.9	2395.9	2395.9	2395.9	2395.9	2397.8
170.0	2445.3	2445.3	2445.3	2445.3	2445.3	2445.3	2445.3	2445.3	2445.3	2445.3
175.0	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8
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	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7	1905.7
1.0	1903.8	1903.8	1903.8	1903.8	1903.8	1903.8	1903.8	1903.8	1903.8
3.0	1898.1	1900.0	1900.0	1901.9	1901.9	1901.9	1901.9	1903.8	1901.9
5.0	1879.1	1882.9	1884.8	1888.6	1890.5	1892.4	1892.4	1894.3	1894.3
7.0	1850.6	1858.2	1863.9	1869.6	1873.4	1877.2	1881.0	1881.0	1882.9
9.0	1810.7	1822.1	1831.6	1841.1	1848.7	1856.3	1860.1	1863.9	1863.9
11.0	1763.2	1778.4	1793.6	1806.9	1818.3	1829.7	1835.4	1841.1	1841.1
13.0	1704.3	1725.2	1746.1	1765.1	1782.2	1795.5	1805.0	1810.7	1814.5
15.0	1634.0	1664.4	1691.0	1715.7	1736.6	1755.6	1768.9	1776.5	1778.4

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U2S1_BL.IES

CANDELA TABULATION - (Cont.)

17.0	1558.0	1594.1	1628.3	1660.6	1687.2	1708.1	1725.2	1736.6	1738.5
19.5	1449.7	1495.3	1539.0	1577.0	1611.2	1641.6	1662.5	1673.9	1679.6
22.5	1309.1	1364.2	1417.4	1466.8	1510.5	1546.6	1573.2	1588.4	1594.1
25.5	1157.1	1221.7	1282.5	1341.4	1390.8	1432.6	1464.9	1483.9	1489.6
29.0	974.7	1045.0	1113.4	1179.9	1236.9	1284.4	1320.5	1343.3	1350.9
33.0	773.3	843.6	913.9	984.2	1043.1	1094.4	1132.4	1157.1	1164.7
37.5	568.1	632.7	697.3	761.9	818.9	868.3	904.4	929.1	936.7
42.5	381.9	431.3	484.5	537.7	583.3	625.1	655.5	674.5	682.1
47.5	247.0	283.1	319.2	357.2	389.5	419.9	442.7	456.0	461.7
55.0	123.5	140.6	157.7	174.8	191.9	207.1	216.6	224.2	226.1
65.0	47.5	55.1	60.8	66.5	70.3	76.0	79.8	81.7	81.7
75.0	17.1	19.0	20.9	22.8	24.7	26.6	28.5	28.5	28.5
85.0	3.8	3.8	3.8	3.8	3.8	5.7	5.7	5.7	5.7
90.0	20.9	19.0	15.2	13.3	9.5	7.6	5.7	3.8	3.8
95.0	77.9	76.0	76.0	76.0	74.1	72.2	72.2	72.2	70.3
100.0	186.2	186.2	186.2	186.2	186.2	188.1	186.2	186.2	186.2
105.0	319.2	321.1	324.9	330.6	332.5	332.5	332.5	332.5	332.5
110.0	484.5	494.0	499.7	505.4	507.3	509.2	509.2	509.2	509.2
115.0	685.9	693.5	699.2	703.0	706.8	710.6	712.5	712.5	712.5
120.0	908.2	915.8	921.5	927.2	932.9	936.7	938.6	940.5	940.5
125.0	1143.8	1149.5	1157.1	1162.8	1166.6	1170.4	1174.2	1176.1	1176.1
130.0	1379.4	1385.1	1390.8	1396.5	1402.2	1406.0	1407.9	1409.8	1411.7
135.0	1601.7	1605.5	1611.2	1616.9	1620.7	1622.6	1626.4	1626.4	1628.3
140.0	1799.3	1805.0	1808.8	1812.6	1816.4	1818.3	1820.2	1820.2	1820.2
145.0	1972.2	1974.1	1977.9	1979.8	1983.6	1985.5	1985.5	1987.4	1987.4
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	2327.5	2329.4	2329.4	2329.4	2331.3	2331.3	2331.3	2331.3
165.0	2397.8	2397.8	2397.8	2397.8	2399.7	2399.7	2399.7	2399.7	2399.7
170.0	2447.2	2447.2	2447.2	2447.2	2447.2	2447.2	2447.2	2447.2	2447.2
175.0	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8	2473.8
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_U2S1_BL.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	597.35	N.A.	7.00
0-30	1094.93	N.A.	12.80
0-40	1470.77	N.A.	17.20
0-60	1876.32	N.A.	22.00
0-80	1990.82	N.A.	23.30
0-90	2009.16	N.A.	23.60
10-90	1865.61	N.A.	21.90
20-40	873.42	N.A.	10.20
20-50	1159.79	N.A.	13.60
40-70	486.59	N.A.	5.70
60-80	114.51	N.A.	1.30
70-80	33.46	N.A.	0.40
80-90	18.34	N.A.	0.20
90-110	438.52	N.A.	5.10
90-120	1109.42	N.A.	13.00
90-130	2121.68	N.A.	24.90
90-150	4578.38	N.A.	53.70
90-180	6518.45	N.A.	76.40
110-180	6079.93	N.A.	71.30
0-180	8527.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	143.55
10-20	453.80
20-30	497.58
30-40	375.84
40-50	286.37
50-60	119.18
60-70	81.05
70-80	33.46
80-90	18.34
90-100	99.27
100-110	339.25
110-120	670.91
120-130	1012.25
130-140	1227.32
140-150	1229.38
150-160	1028.23
160-170	676.59
170-180	235.24

IES INDOOR REPORT

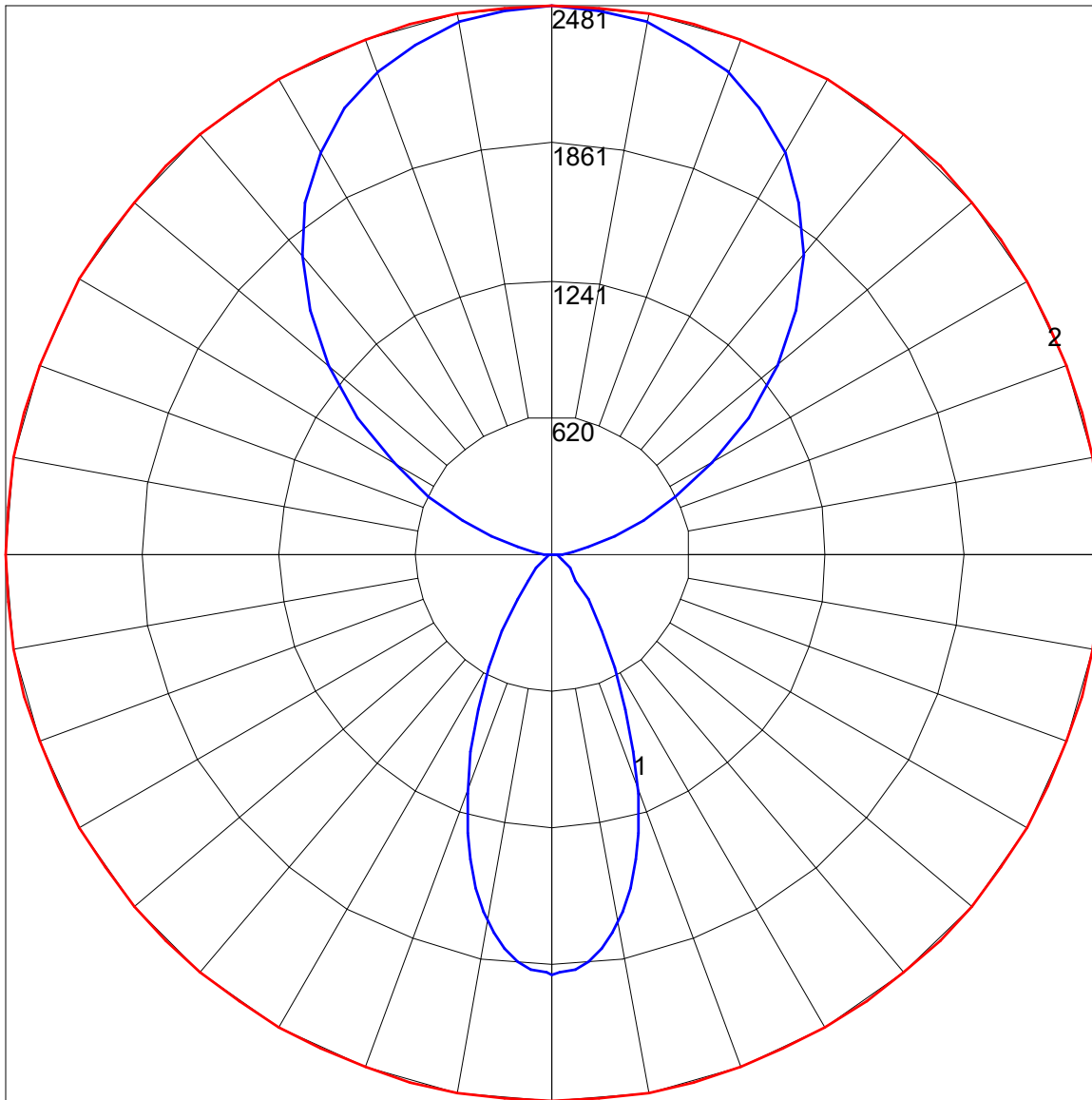
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U2S1_BL.IES

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	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 = 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.)