

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | Soft Diffuse, down | 90 CRI | HO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-359-U2D2-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	98	101	103	106
Total Lumens, 4' rail length (1219mm)	10487	10818	11039	11260
Lumens per foot (305mm)	2622	2705	2760	2815
Lumens per foot UP (305mm)	5742	5923	6044	6165
Lumens per foot DOWN (305mm)	4746	4896	4996	5095
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-U2D2-AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L081800702 (SOURCE REPORT FOR REFERENCE)
 [TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
 [ISSUEDATE] 8/15/2018
 [MANUFAC] Vode Lighting
 [LUMCAT] 707-Z3-CC-Z-HO-359-U2D2-AL
 [LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,
 [MORE] symmetric lens with edgeglow up/soft diffuse 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	11039
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	107.2
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)	4.00 ft
Luminous Height	0.02 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	16267	16491	17309
55	15218	15518	16589
65	13742	14090	15498
75	11490	11800	13485
85	6980	7365	10201

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707-Z3-CC-HO-359-U2D2-AL.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	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4
5	1732.8	1732.8	1732.8	1732.8	1732.8	1732.8	1732.8	1732.8	1732.8	1732.8
10	1710.0	1710.0	1710.0	1710.0	1710.0	1710.0	1710.0	1710.0	1710.0	1710.0
15	1670.1	1670.1	1670.1	1670.1	1670.1	1670.1	1670.1	1670.1	1670.1	1670.1
20	1616.9	1616.9	1616.9	1616.9	1616.9	1615.0	1615.0	1615.0	1615.0	1615.0
25	1548.5	1548.5	1548.5	1548.5	1548.5	1548.5	1548.5	1546.6	1546.6	1546.6
30	1466.8	1466.8	1466.8	1466.8	1466.8	1466.8	1464.9	1464.9	1464.9	1463.0
35	1373.7	1373.7	1373.7	1373.7	1371.8	1371.8	1371.8	1369.9	1369.9	1368.0
40	1269.2	1269.2	1269.2	1269.2	1267.3	1267.3	1267.3	1265.4	1265.4	1263.5
45	1155.2	1155.2	1155.2	1155.2	1153.3	1153.3	1151.4	1151.4	1149.5	1149.5
50	1033.6	1033.6	1033.6	1031.7	1031.7	1029.8	1029.8	1027.9	1027.9	1026.0
55	904.4	904.4	904.4	904.4	902.5	902.5	900.6	900.6	898.7	898.7
60	769.5	769.5	769.5	769.5	769.5	767.6	767.6	765.7	763.8	763.8
65	632.7	632.7	632.7	632.7	630.8	630.8	628.9	627.0	627.0	625.1
70	495.9	495.9	494.0	494.0	494.0	492.1	490.2	488.3	486.4	486.4
75	359.1	359.1	359.1	357.2	357.2	355.3	353.4	351.5	349.6	347.7
80	228.0	228.0	228.0	226.1	226.1	224.2	224.2	222.3	220.4	218.5
85	108.3	108.3	108.3	106.4	106.4	106.4	104.5	104.5	102.6	100.7
90	26.6	26.6	26.6	26.6	24.7	22.8	20.9	19.0	17.1	15.2
95	77.9	77.9	77.9	77.9	76.0	76.0	74.1	74.1	72.2	70.3
100	159.6	159.6	159.6	159.6	161.5	161.5	161.5	161.5	163.4	163.4
105	266.0	266.0	267.9	267.9	269.8	273.6	275.5	277.4	281.2	285.0
110	402.8	404.7	404.7	408.5	410.4	416.1	419.9	425.6	429.4	435.1
115	573.8	573.8	575.7	579.5	583.3	589.0	596.6	602.3	609.9	617.5
120	775.2	775.2	777.1	780.9	786.6	792.3	799.9	807.5	815.1	822.7
125	997.5	997.5	1001.3	1005.1	1008.9	1014.6	1022.2	1029.8	1039.3	1046.9
130	1227.4	1227.4	1229.3	1233.1	1236.9	1242.6	1250.2	1257.8	1263.5	1271.1
135	1447.8	1449.7	1451.6	1453.5	1457.3	1463.0	1466.8	1472.5	1478.2	1483.9
140	1649.2	1651.1	1651.1	1653.0	1656.8	1658.7	1662.5	1666.3	1670.1	1673.9
145	1824.0	1824.0	1825.9	1825.9	1827.8	1829.7	1831.6	1833.5	1835.4	1837.3
150	1966.5	1966.5	1966.5	1968.4	1968.4	1970.3	1970.3	1972.2	1972.2	1974.1
155	2082.4	2082.4	2082.4	2084.3	2084.3	2084.3	2084.3	2086.2	2086.2	2088.1
160	2175.5	2175.5	2175.5	2175.5	2175.5	2177.4	2177.4	2177.4	2177.4	2179.3
165	2245.8	2245.8	2245.8	2245.8	2245.8	2247.7	2247.7	2247.7	2247.7	2247.7
170	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2
175	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7
180	2333.2	2333.2	2333.2	2333.2	2333.2	2333.2	2333.2	2333.2	2333.2	2333.2

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	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4
5	1732.8	1732.8	1732.8	1732.8	1732.8	1732.8	1732.8	1732.8	1732.8
10	1710.0	1710.0	1710.0	1710.0	1708.1	1708.1	1708.1	1708.1	1708.1
15	1670.1	1668.2	1668.2	1668.2	1668.2	1668.2	1668.2	1668.2	1668.2
20	1615.0	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1	1613.1
25	1544.7	1544.7	1544.7	1542.8	1542.8	1542.8	1542.8	1542.8	1542.8
30	1463.0	1461.1	1461.1	1461.1	1459.2	1459.2	1459.2	1459.2	1459.2
35	1368.0	1368.0	1366.1	1366.1	1364.2	1364.2	1364.2	1364.2	1364.2
40	1263.5	1261.6	1261.6	1259.7	1259.7	1259.7	1259.7	1257.8	1257.8
45	1147.6	1147.6	1145.7	1145.7	1145.7	1143.8	1143.8	1143.8	1143.8
50	1026.0	1024.1	1024.1	1022.2	1022.2	1022.2	1020.3	1020.3	1020.3
55	896.8	894.9	894.9	893.0	893.0	893.0	891.1	891.1	891.1
60	761.9	760.0	758.1	758.1	756.2	756.2	756.2	754.3	754.3

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707-Z3-CC-HO-359-U2D2-AL.IES

CANDELA TABULATION - (Cont.)

65	623.2	621.3	619.4	617.5	617.5	615.6	615.6	613.7	615.6
70	482.6	480.7	478.8	476.9	475.0	473.1	473.1	471.2	471.2
75	345.8	343.9	340.1	338.2	336.3	332.5	332.5	330.6	330.6
80	214.7	212.8	210.9	207.1	205.2	201.4	199.5	199.5	197.6
85	98.8	98.8	96.9	95.0	93.1	91.2	89.3	87.4	87.4
90	13.3	11.4	9.5	7.6	5.7	5.7	3.8	1.9	1.9
95	70.3	68.4	66.5	64.6	64.6	62.7	60.8	60.8	58.9
100	163.4	163.4	165.3	165.3	163.4	163.4	163.4	161.5	161.5
105	286.9	290.7	292.6	294.5	294.5	296.4	296.4	296.4	296.4
110	440.8	446.5	450.3	454.1	456.0	457.9	457.9	459.8	457.9
115	623.2	630.8	636.5	640.3	644.1	647.9	647.9	649.8	649.8
120	832.2	839.8	845.5	851.2	856.9	858.8	860.7	862.6	862.6
125	1054.5	1062.1	1069.7	1073.5	1079.2	1081.1	1083.0	1084.9	1084.9
130	1278.7	1284.4	1290.1	1293.9	1297.7	1299.6	1301.5	1303.4	1303.4
135	1489.6	1493.4	1497.2	1501.0	1502.9	1504.8	1506.7	1506.7	1508.6
140	1675.8	1679.6	1681.5	1685.3	1685.3	1687.2	1689.1	1689.1	1689.1
145	1839.2	1841.1	1843.0	1844.9	1844.9	1846.8	1846.8	1848.7	1848.7
150	1976.0	1977.9	1977.9	1979.8	1979.8	1979.8	1981.7	1981.7	1981.7
155	2088.1	2090.0	2090.0	2090.0	2091.9	2091.9	2091.9	2091.9	2091.9
160	2179.3	2179.3	2179.3	2179.3	2181.2	2181.2	2181.2	2181.2	2181.2
165	2247.7	2247.7	2247.7	2247.7	2247.7	2247.7	2249.6	2249.6	2249.6
170	2295.2	2295.2	2295.2	2295.2	2295.2	2297.1	2295.2	2295.2	2297.1
175	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7
180	2333.2	2333.2	2333.2	2333.2	2333.2	2333.2	2333.2	2333.2	2333.2

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707-Z3-CC-HO-359-U2D2-AL.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	635.74	N.A.	5.80
0-30	1347.94	N.A.	12.20
0-40	2204.19	N.A.	20.00
0-60	3893.03	N.A.	35.30
0-80	4878.35	N.A.	44.20
0-90	4995.54	N.A.	45.30
10-90	4830.88	N.A.	43.80
20-40	1568.45	N.A.	14.20
20-50	2454.96	N.A.	22.20
40-70	2306.67	N.A.	20.90
60-80	985.33	N.A.	8.90
70-80	367.49	N.A.	3.30
80-90	117.19	N.A.	1.10
90-110	393.04	N.A.	3.60
90-120	1007.49	N.A.	9.10
90-130	1941.46	N.A.	17.60
90-150	4227.18	N.A.	38.30
90-180	6043.77	N.A.	54.70
110-180	5650.73	N.A.	51.20
0-180	11039.32	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	164.66
10-20	471.08
20-30	712.20
30-40	856.25
40-50	886.51
50-60	802.33
60-70	617.83
70-80	367.49
80-90	117.19
90-100	86.54
100-110	306.50
110-120	614.45
120-130	933.97
130-140	1139.18
140-150	1146.54
150-160	961.44
160-170	634.23
170-180	220.91

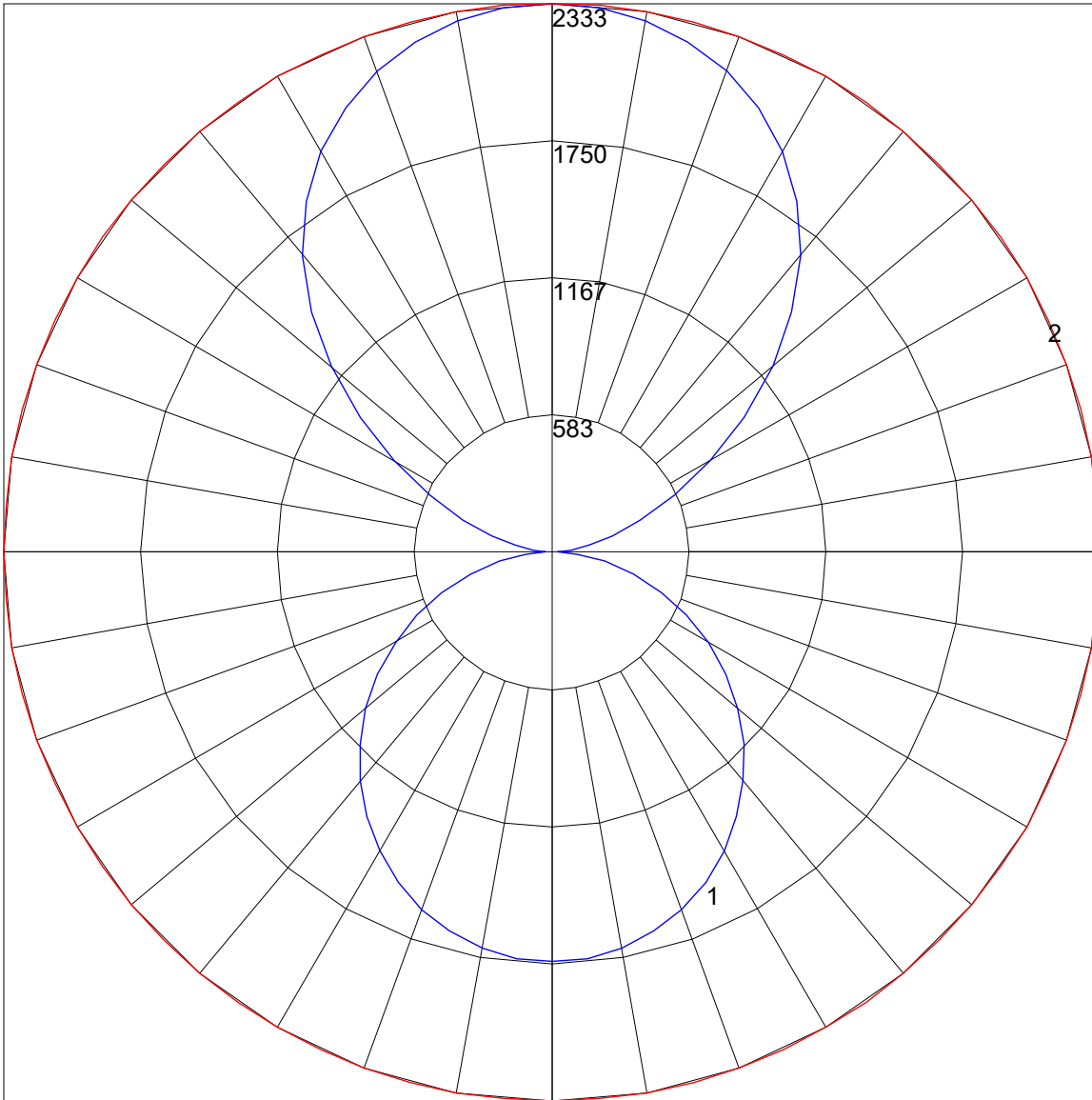
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707-Z3-CC-HO-359-U2D2-AL.IES

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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45	0
1	96	92	88	85	88	85	81	78	70	68	66	57	56	54	45	44	43	38	0
2	88	80	74	69	80	74	68	64	61	57	54	50	47	45	40	38	36	31	0
3	80	70	63	57	73	65	58	53	54	49	45	44	41	38	35	33	31	26	0
4	73	62	54	48	67	57	50	45	48	43	38	39	35	32	31	28	26	22	0
5	67	55	47	41	61	51	44	38	43	37	33	35	31	28	28	25	23	19	0
6	62	49	41	35	56	46	38	33	38	33	29	32	27	24	25	22	20	17	0
7	57	45	37	31	52	41	34	29	35	29	25	29	24	21	23	20	18	15	0
8	53	40	33	27	48	37	30	26	32	26	22	26	22	19	21	18	16	13	0
9	49	37	29	24	45	34	27	23	29	24	20	24	20	17	19	16	14	12	0
10	46	34	26	22	42	31	25	20	27	21	18	22	18	15	18	15	13	11	0

POLAR GRAPH



Maximum Candela = 2333.2 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.)