

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-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	95	98	100	104
Total Lumens, 4' rail length (1219mm)	10156	10477	10691	10797
Lumens per foot (305mm)	2539	2619	2673	2699
Lumens per foot UP (305mm)	983	1014	1035	1045
Lumens per foot DOWN (305mm)	1556	1605	1638	1654
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_U2S7_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010922 (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-U2S7-BL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 90 CRI, zipper board, symmetric lens with edge glow

[MORE] up/80° 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	10691
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	107.66
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.26 ft
Luminous Width (90-270)	3.98 ft
Luminous Height	0.03 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20604	21683	23863
55	16639	18343	21252
65	12285	13901	17426
75	8266	9677	13208
85	4983	5228	8135

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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	2492.8	2492.8	2492.8	2492.8	2492.8	2492.8	2492.8	2492.8	2492.8	2492.8
5	2485.2	2485.2	2485.2	2485.2	2485.2	2485.2	2485.2	2485.2	2485.2	2485.2
10	2456.7	2456.7	2456.7	2456.7	2456.7	2456.7	2456.7	2456.7	2456.7	2458.6
15	2407.3	2407.3	2407.3	2407.3	2407.3	2407.3	2407.3	2407.3	2409.2	2409.2
20	2333.2	2333.2	2333.2	2333.2	2335.1	2335.1	2335.1	2337.0	2337.0	2338.9
25	2234.4	2234.4	2236.3	2236.3	2238.2	2238.2	2240.1	2240.1	2242.0	2243.9
30	2110.9	2110.9	2112.8	2112.8	2114.7	2116.6	2116.6	2120.4	2122.3	2124.2
35	1960.8	1960.8	1962.7	1962.7	1964.6	1966.5	1970.3	1972.2	1976.0	1977.9
40	1780.3	1780.3	1782.2	1784.1	1786.0	1789.8	1793.6	1797.4	1801.2	1805.0
45	1563.7	1563.7	1567.5	1571.3	1575.1	1580.8	1586.5	1592.2	1597.9	1603.6
50	1320.5	1322.4	1324.3	1330.0	1335.7	1343.3	1350.9	1362.3	1371.8	1379.4
55	1069.7	1071.6	1073.5	1079.2	1086.8	1096.3	1103.9	1115.3	1126.7	1138.1
60	828.4	830.3	832.2	836.0	841.7	851.2	860.7	874.0	885.4	896.8
65	623.2	623.2	625.1	628.9	632.7	638.4	644.1	651.7	659.3	670.7
70	444.6	444.6	446.5	448.4	454.1	457.9	463.6	469.3	473.1	476.9
75	294.5	294.5	296.4	298.3	302.1	304.0	307.8	313.5	317.3	319.2
80	178.6	178.6	178.6	180.5	180.5	182.4	184.3	186.2	186.2	188.1
85	96.9	96.9	96.9	95.0	95.0	93.1	91.2	91.2	89.3	87.4
90	41.8	41.8	41.8	39.9	38.0	36.1	34.2	32.3	28.5	26.6
95	11.4	11.4	11.4	11.4	11.4	13.3	13.3	13.3	15.2	15.2
100	28.5	28.5	28.5	30.4	30.4	32.3	34.2	36.1	38.0	38.0
105	51.3	53.2	53.2	55.1	58.9	60.8	64.6	68.4	70.3	74.1
110	89.3	89.3	91.2	95.0	98.8	104.5	110.2	114.0	119.7	123.5
115	144.4	146.3	148.2	153.9	161.5	169.1	178.6	186.2	193.8	199.5
120	229.9	231.8	237.5	245.1	254.6	267.9	281.2	294.5	305.9	313.5
125	364.8	368.6	374.3	385.7	400.9	419.9	438.9	456.0	473.1	484.5
130	568.1	570.0	579.5	594.7	613.7	638.4	661.2	684.0	703.0	716.3
135	841.7	845.5	856.9	872.1	894.9	919.6	944.3	969.0	986.1	997.5
140	1164.7	1168.5	1178.0	1195.1	1214.1	1235.0	1255.9	1274.9	1288.2	1295.8
145	1491.5	1493.4	1501.0	1512.4	1525.7	1540.9	1554.2	1565.6	1573.2	1573.2
150	1772.7	1772.7	1778.4	1784.1	1791.7	1799.3	1805.0	1810.7	1812.6	1810.7
155	1987.4	1989.3	1991.2	1993.1	1995.0	1998.8	1998.8	2000.7	2000.7	1996.9
160	2143.2	2143.2	2143.2	2143.2	2145.1	2145.1	2143.2	2143.2	2141.3	2139.4
165	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9	2243.9	2242.0	2242.0	2240.1
170	2306.6	2306.6	2306.6	2306.6	2306.6	2306.6	2306.6	2306.6	2304.7	2304.7
175	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8
180	2350.3	2350.3	2350.3	2350.3	2350.3	2350.3	2350.3	2350.3	2350.3	2350.3

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	2492.8	2492.8	2492.8	2492.8	2492.8	2492.8	2492.8	2492.8	2492.8
5	2485.2	2485.2	2485.2	2485.2	2485.2	2485.2	2485.2	2485.2	2485.2
10	2458.6	2458.6	2458.6	2458.6	2458.6	2458.6	2458.6	2458.6	2458.6
15	2409.2	2409.2	2409.2	2411.1	2411.1	2411.1	2411.1	2411.1	2411.1
20	2338.9	2340.8	2340.8	2340.8	2340.8	2342.7	2342.7	2342.7	2342.7
25	2245.8	2245.8	2247.7	2249.6	2249.6	2249.6	2251.5	2251.5	2251.5
30	2126.1	2128.0	2129.9	2131.8	2133.7	2135.6	2135.6	2135.6	2135.6
35	1981.7	1983.6	1987.4	1989.3	1991.2	1993.1	1995.0	1995.0	1996.9
40	1808.8	1812.6	1816.4	1820.2	1824.0	1825.9	1827.8	1829.7	1829.7
45	1609.3	1615.0	1618.8	1624.5	1628.3	1632.1	1634.0	1635.9	1635.9
50	1387.0	1392.7	1398.4	1404.1	1409.8	1413.6	1415.5	1417.4	1417.4
55	1149.5	1159.0	1164.7	1170.4	1176.1	1179.9	1181.8	1183.7	1185.6
60	908.2	921.5	929.1	934.8	940.5	942.4	946.2	948.1	948.1

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CANDELA TABULATION - (Cont.)

65	682.1	693.5	703.0	710.6	714.4	718.2	720.1	720.1	720.1
70	482.6	490.2	499.7	507.3	513.0	514.9	514.9	516.8	516.8
75	323.0	323.0	324.9	328.7	334.4	338.2	338.2	338.2	338.2
80	190.0	190.0	190.0	188.1	186.2	190.0	191.9	190.0	190.0
85	85.5	83.6	81.7	79.8	77.9	76.0	74.1	74.1	74.1
90	22.8	19.0	17.1	13.3	11.4	9.5	7.6	5.7	5.7
95	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
100	39.9	39.9	41.8	41.8	41.8	41.8	41.8	41.8	41.8
105	76.0	76.0	77.9	77.9	77.9	79.8	79.8	79.8	79.8
110	127.3	129.2	129.2	131.1	131.1	129.2	129.2	129.2	129.2
115	203.3	205.2	207.1	205.2	203.3	201.4	201.4	199.5	199.5
120	319.2	321.1	319.2	315.4	311.6	307.8	304.0	302.1	300.2
125	490.2	490.2	486.4	478.8	471.2	463.6	456.0	452.2	450.3
130	722.0	720.1	710.6	699.2	687.8	674.5	665.0	657.4	655.5
135	999.4	995.6	984.2	969.0	951.9	936.7	925.3	917.7	913.9
140	1293.9	1288.2	1274.9	1257.8	1242.6	1227.4	1214.1	1206.5	1204.6
145	1571.3	1563.7	1552.3	1537.1	1523.8	1510.5	1499.1	1493.4	1491.5
150	1806.9	1799.3	1789.8	1778.4	1768.9	1759.4	1751.8	1748.0	1746.1
155	1993.1	1987.4	1981.7	1976.0	1968.4	1964.6	1958.9	1957.0	1957.0
160	2137.5	2133.7	2129.9	2126.1	2122.3	2120.4	2118.5	2116.6	2114.7
165	2238.2	2236.3	2234.4	2232.5	2232.5	2230.6	2228.7	2228.7	2228.7
170	2304.7	2302.8	2302.8	2302.8	2302.8	2300.9	2300.9	2300.9	2300.9
175	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8	2340.8
180	2350.3	2350.3	2350.3	2350.3	2350.3	2350.3	2350.3	2350.3	2350.3

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	916.25	N.A.	8.60
0-30	1949.49	N.A.	18.20
0-40	3184.77	N.A.	29.80
0-60	5429.93	N.A.	50.80
0-80	6445.97	N.A.	60.30
0-90	6550.41	N.A.	61.30
10-90	6314.08	N.A.	59.10
20-40	2268.52	N.A.	21.20
20-50	3500.66	N.A.	32.70
40-70	2917.75	N.A.	27.30
60-80	1016.03	N.A.	9.50
70-80	343.45	N.A.	3.20
80-90	104.45	N.A.	1.00
90-110	101.35	N.A.	0.90
90-120	292.93	N.A.	2.70
90-130	702.85	N.A.	6.60
90-150	2379.02	N.A.	22.30
90-180	4140.15	N.A.	38.70
110-180	4038.8	N.A.	37.80
0-180	10690.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	236.33
10-20	679.92
20-30	1033.24
30-40	1235.29
40-50	1232.13
50-60	1013.03
60-70	672.59
70-80	343.45
80-90	104.45
90-100	24.43
100-110	76.92
110-120	191.58
120-130	409.92
130-140	725.38
140-150	950.80
150-160	909.06
160-170	629.82
170-180	222.25

IES INDOOR REPORT

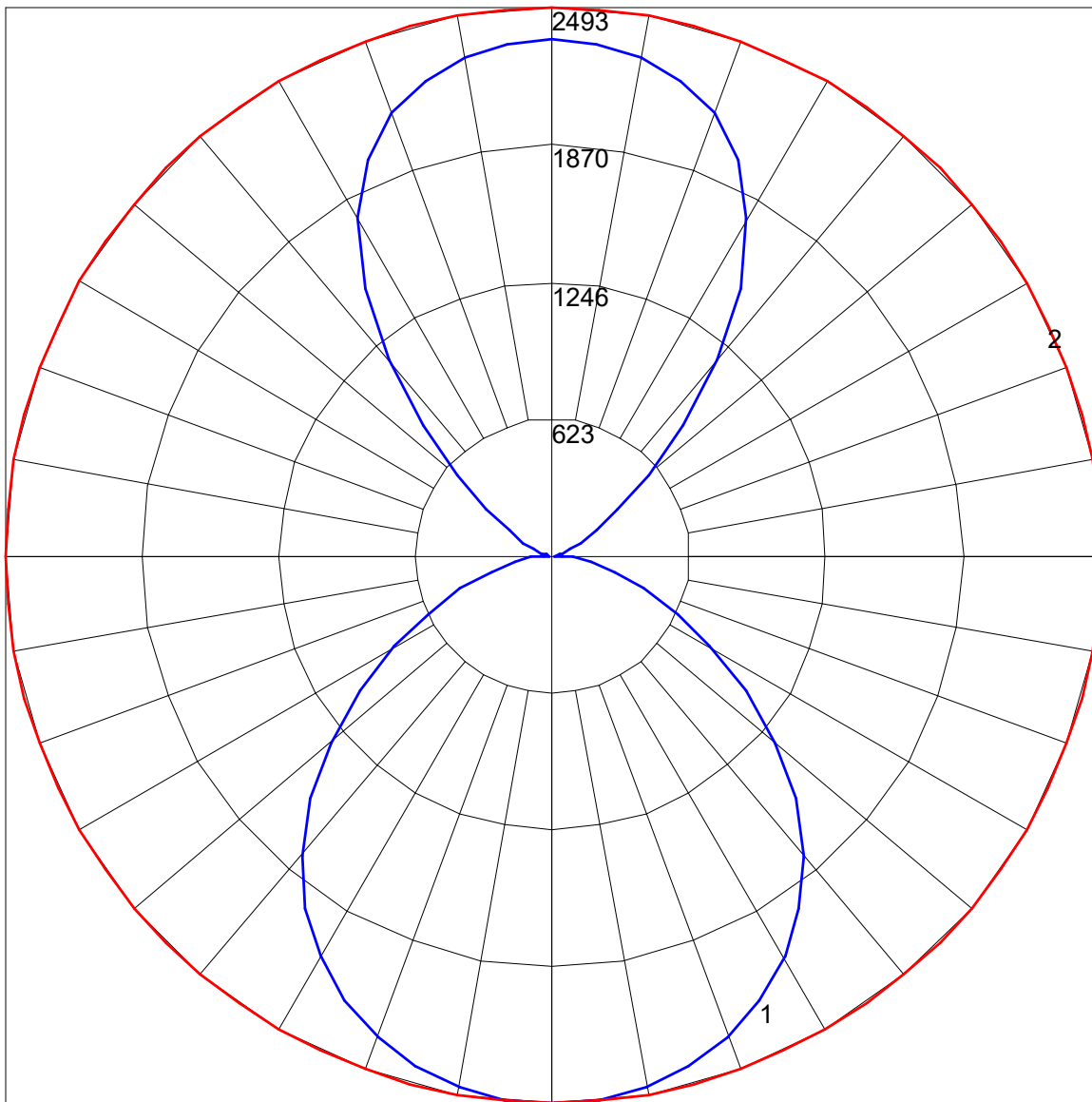
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	66	66	66	61
1	101	96	92	89	94	90	87	84	79	76	74	69	67	65	59	58	57	52
2	92	84	78	73	86	79	74	69	69	65	62	61	57	55	52	50	48	44
3	84	74	67	61	78	70	63	58	61	56	52	54	50	47	47	44	41	37
4	77	66	58	52	72	62	55	49	55	49	45	48	44	40	42	38	35	32
5	71	59	51	45	66	55	48	43	49	43	39	43	38	35	38	34	31	28
6	65	53	45	39	61	50	42	37	44	38	34	39	34	31	34	30	27	25
7	60	48	40	34	56	45	38	33	40	34	30	36	31	27	31	27	24	22
8	56	43	36	30	52	41	34	29	37	31	27	33	28	24	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	23	20	18
10	49	36	29	24	46	35	28	23	31	25	22	28	23	20	24	21	18	16

POLAR GRAPH



Maximum Candela = 2492.8 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)