

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric, up | 80° Symmetric, down | 80 CRI | HO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-35-U1S7-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	106	109	112	112
Total Lumens, 4' rail length (1219mm)	11363	11722	11961	11961
Lumens per foot (305mm)	2841	2930	2990	2990
Lumens per foot UP (305mm)	1690	1743	1778	1778
Lumens per foot DOWN (305mm)	1151	1188	1212	1212
Input Power (W), 4' rail length (1219mm)	107.7	107.7	107.7	107.7
Watts per foot (305mm)	27.0	27.0	27.0	27.0
CRI	82	82	82	82

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_35_U1S7_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010921 (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-35-U1S7-BL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 CRI, zipper board, symmetric lens

[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	11939
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	107.66
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)	0.26 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	13016	15885	15757
55	6673	9255	9583
65	3339	4970	5803
75	1729	2668	3694
85	679	1053	2174

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_35_U1S7_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	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4
5	2712.6	2710.4	2710.4	2710.4	2710.4	2712.6	2710.4	2710.4	2710.4	2710.4
10	2673.0	2673.0	2673.0	2673.0	2673.0	2673.0	2673.0	2670.8	2670.8	2670.8
15	2602.6	2602.6	2602.6	2602.6	2600.4	2602.6	2600.4	2600.4	2598.2	2596.0
20	2486.0	2486.0	2486.0	2486.0	2486.0	2486.0	2486.0	2486.0	2483.8	2481.6
25	2312.2	2312.2	2314.4	2316.6	2321.0	2323.2	2325.4	2325.4	2325.4	2323.2
30	2068.0	2070.2	2074.6	2081.2	2090.0	2098.8	2105.4	2109.8	2112.0	2109.8
35	1744.6	1746.8	1755.6	1768.8	1786.4	1801.8	1817.2	1830.4	1837.0	1839.2
40	1366.2	1370.6	1383.8	1401.4	1425.6	1449.8	1474.0	1496.0	1511.4	1520.2
45	987.8	992.2	1005.4	1025.2	1051.6	1082.4	1111.0	1139.6	1161.6	1174.8
50	666.6	668.8	682.0	699.6	723.8	750.2	778.8	807.4	831.6	847.0
55	429.0	431.2	440.0	453.2	473.0	495.0	517.0	541.2	561.0	574.2
60	270.6	272.8	279.4	288.2	301.4	316.8	332.2	347.6	363.0	374.0
65	169.4	171.6	176.0	180.4	189.2	200.2	209.0	220.0	231.0	239.8
70	105.6	105.6	107.8	112.2	116.6	123.2	129.8	136.4	143.0	147.4
75	61.6	61.6	63.8	66.0	68.2	72.6	77.0	81.4	83.6	88.0
80	33.0	33.0	33.0	35.2	35.2	37.4	39.6	41.8	44.0	46.2
85	13.2	13.2	13.2	13.2	15.4	15.4	15.4	17.6	17.6	17.6
90	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
95	63.8	63.8	63.8	63.8	66.0	66.0	66.0	68.2	68.2	68.2
100	145.2	145.2	147.4	149.6	154.0	158.4	165.0	171.6	178.2	184.8
105	281.6	281.6	283.8	288.2	292.6	299.2	305.8	312.4	319.0	323.4
110	440.0	442.2	444.4	448.8	453.2	459.8	468.6	475.2	484.0	492.8
115	627.0	629.2	631.4	635.8	644.6	651.2	662.2	673.2	686.4	701.8
120	849.2	849.2	853.6	860.2	869.0	880.0	893.2	908.6	924.0	937.2
125	1104.4	1106.6	1111.0	1117.6	1128.6	1139.6	1150.6	1166.0	1179.2	1194.6
130	1377.2	1379.4	1381.6	1388.2	1397.0	1408.0	1419.0	1432.2	1445.4	1458.6
135	1647.8	1650.0	1652.2	1658.8	1665.4	1674.2	1685.2	1696.2	1709.4	1720.4
140	1905.2	1905.2	1907.4	1911.8	1918.4	1925.0	1933.8	1944.8	1953.6	1964.6
145	2134.0	2136.2	2138.4	2140.6	2145.0	2151.6	2158.2	2167.0	2175.8	2184.6
150	2334.2	2334.2	2334.2	2338.6	2340.8	2345.2	2351.8	2358.4	2365.0	2371.6
155	2499.2	2499.2	2501.4	2503.6	2505.8	2510.2	2512.4	2519.0	2523.4	2527.8
160	2633.4	2633.4	2635.6	2635.6	2637.8	2640.0	2642.2	2646.6	2648.8	2653.2
165	2734.6	2734.6	2736.8	2736.8	2739.0	2739.0	2741.2	2743.4	2743.4	2745.6
170	2805.0	2805.0	2805.0	2807.2	2807.2	2807.2	2807.2	2809.4	2809.4	2809.4
175	2844.6	2844.6	2844.6	2844.6	2844.6	2844.6	2844.6	2844.6	2844.6	2844.6
180	2853.4	2853.4	2853.4	2853.4	2853.4	2853.4	2853.4	2853.4	2853.4	2853.4

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	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4
5	2710.4	2710.4	2710.4	2710.4	2710.4	2710.4	2710.4	2710.4	2710.4
10	2670.8	2668.6	2668.6	2668.6	2668.6	2666.4	2666.4	2666.4	2666.4
15	2596.0	2593.8	2591.6	2589.4	2587.2	2587.2	2585.0	2585.0	2585.0
20	2479.4	2475.0	2470.6	2466.2	2464.0	2459.6	2457.4	2455.2	2455.2
25	2318.8	2312.2	2305.6	2296.8	2290.2	2283.6	2279.2	2277.0	2274.8
30	2105.4	2096.6	2085.6	2074.6	2063.6	2052.6	2043.8	2039.4	2037.2
35	1834.8	1826.0	1812.8	1797.4	1782.0	1766.6	1755.6	1749.0	1744.6
40	1520.2	1511.4	1496.0	1478.4	1458.6	1441.0	1427.8	1419.0	1414.6
45	1179.2	1172.6	1161.6	1141.8	1124.2	1106.6	1091.2	1082.4	1080.2
50	853.6	851.4	842.6	829.4	814.0	798.6	787.6	781.0	778.8
55	583.0	583.0	578.6	569.8	561.0	550.0	543.4	536.8	534.6
60	380.6	382.8	380.6	378.4	371.8	367.4	363.0	360.8	358.6

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_35_U1S7_BL.IES

CANDELA TABULATION - (Cont.)

65	244.2	246.4	246.4	246.4	244.2	242.0	239.8	239.8	239.8
70	151.8	154.0	156.2	156.2	156.2	156.2	156.2	154.0	154.0
75	90.2	92.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
80	48.4	48.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6
85	17.6	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
90	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
95	70.4	72.6	77.0	79.2	81.4	79.2	81.4	81.4	79.2
100	189.2	191.4	193.6	195.8	198.0	200.2	200.2	200.2	200.2
105	330.0	334.4	341.0	345.4	349.8	352.0	354.2	354.2	352.0
110	503.8	514.8	523.6	530.2	534.6	536.8	539.0	539.0	539.0
115	715.0	726.0	737.0	743.6	750.2	754.6	756.8	759.0	759.0
120	952.6	963.6	974.6	985.6	994.4	998.8	1003.2	1007.6	1007.6
125	1207.8	1221.0	1234.2	1245.2	1256.2	1262.8	1269.4	1273.8	1273.8
130	1474.0	1487.2	1500.4	1513.6	1524.6	1533.4	1540.0	1544.4	1544.4
135	1733.6	1746.8	1760.0	1773.2	1784.2	1793.0	1799.6	1804.0	1804.0
140	1977.8	1988.8	1999.8	2010.8	2019.6	2028.4	2035.0	2039.4	2039.4
145	2193.4	2204.4	2213.2	2222.0	2228.6	2235.2	2239.6	2244.0	2244.0
150	2378.2	2387.0	2393.6	2400.2	2404.6	2411.2	2413.4	2415.6	2415.6
155	2532.2	2538.8	2543.2	2547.6	2552.0	2554.2	2556.4	2558.6	2558.6
160	2655.4	2657.6	2662.0	2664.2	2666.4	2668.6	2668.6	2670.8	2670.8
165	2747.8	2750.0	2750.0	2752.2	2752.2	2754.4	2754.4	2754.4	2754.4
170	2809.4	2811.6	2811.6	2811.6	2811.6	2813.8	2813.8	2813.8	2813.8
175	2844.6	2846.8	2846.8	2846.8	2846.8	2846.8	2846.8	2846.8	2846.8
180	2853.4	2853.4	2853.4	2853.4	2853.4	2853.4	2853.4	2853.4	2853.4

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_35_U1S7_BL.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	987.71	N.A.	8.30
0-30	2044.93	N.A.	17.10
0-40	3156.85	N.A.	26.40
0-60	4496.15	N.A.	37.70
0-80	4815.82	N.A.	40.30
0-90	4838.35	N.A.	40.50
10-90	4580.92	N.A.	38.40
20-40	2169.15	N.A.	18.20
20-50	3023.1	N.A.	25.30
40-70	1567.26	N.A.	13.10
60-80	319.66	N.A.	2.70
70-80	91.70	N.A.	0.80
80-90	22.53	N.A.	0.20
90-110	434.90	N.A.	3.60
90-120	1132.56	N.A.	9.50
90-130	2200.28	N.A.	18.40
90-150	4892.36	N.A.	41.00
90-180	7100.87	N.A.	59.50
110-180	6665.97	N.A.	55.80
0-180	11939.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	257.43
10-20	730.28
20-30	1057.22
30-40	1111.93
40-50	853.95
50-60	485.35
60-70	227.96
70-80	91.70
80-90	22.53
90-100	88.48
100-110	346.42
110-120	697.66
120-130	1067.72
130-140	1327.2
140-150	1364.89
150-160	1163.7
160-170	774.38
170-180	270.43

IES INDOOR REPORT

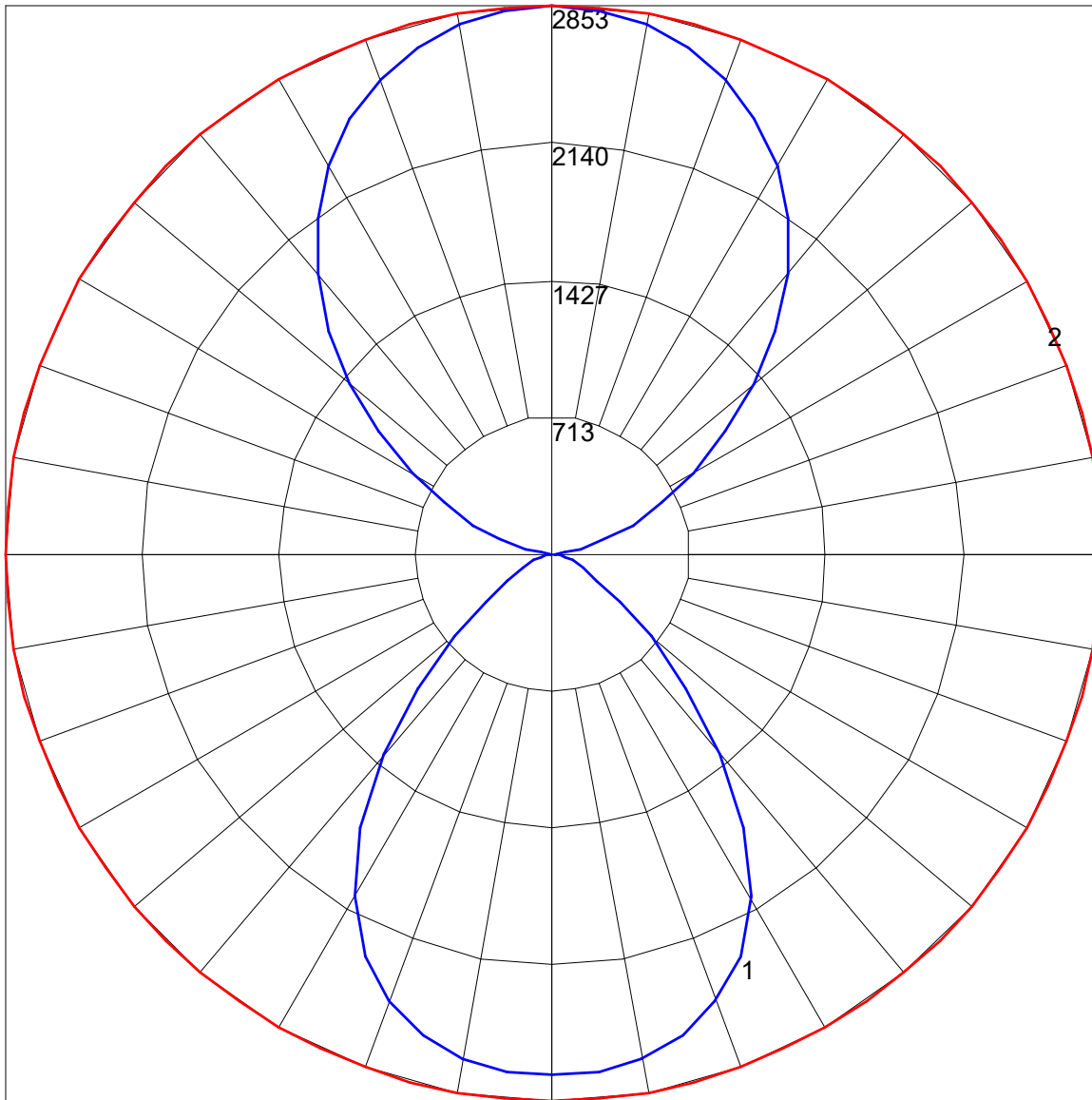
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_35_U1S7_BL.IES

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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41
1	97	93	89	86	88	85	82	79	70	68	66	56	55	54	43	43	42	36
2	89	82	77	72	81	75	71	67	62	59	56	50	48	46	39	38	37	32
3	82	73	66	61	74	67	61	57	56	52	48	46	43	40	36	34	33	28
4	75	65	58	53	68	60	54	49	50	46	42	41	38	35	33	31	29	25
5	69	59	51	46	63	54	48	43	45	41	37	37	34	31	30	28	26	22
6	64	53	45	40	59	49	42	38	41	36	33	34	31	28	27	25	23	20
7	59	48	41	35	54	44	38	33	38	33	29	31	28	25	25	23	21	18
8	55	44	37	32	51	41	34	30	34	30	26	29	25	23	23	21	19	17
9	52	40	33	28	47	37	31	27	32	27	24	27	23	20	22	19	17	15
10	48	37	30	26	44	34	28	24	29	25	21	25	21	19	20	18	16	14

POLAR GRAPH



Maximum Candela = 2853.4 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.)