

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric, up | 60° Symmetric, down | 80 CRI | HO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-35-U1S2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	94	97	99	99
Total Lumens, 4' rail length (1219mm)	10116	10435	10648	10648
Lumens per foot (305mm)	2529	2609	2662	2662
Lumens per foot UP (305mm)	1668	1721	1756	1756
Lumens per foot DOWN (305mm)	860	888	906	906
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

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IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_35_U1S2_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911549 (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-U1S2-BL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 CRI, zipper board, symmetric lens up/60° symmetric lens down,

[MORE] 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	10629
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
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	5870	9566	12305
55	2586	4565	6768
65	1300	2262	3746
75	755	1235	2254
85	419	631	1240

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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>
0.0	2664.2	2664.2	2664.2	2664.2	2664.2	2664.2	2664.2	2664.2	2664.2	2664.2
1.0	2664.2	2664.2	2664.2	2664.2	2664.2	2664.2	2664.2	2664.2	2664.2	2664.2
3.0	2659.8	2657.6	2657.6	2657.6	2657.6	2659.8	2659.8	2659.8	2659.8	2659.8
5.0	2642.2	2642.2	2642.2	2642.2	2642.2	2644.4	2644.4	2644.4	2646.6	2646.6
7.0	2615.8	2615.8	2618.0	2618.0	2618.0	2620.2	2622.4	2622.4	2624.6	2626.8
9.0	2578.4	2580.6	2580.6	2582.8	2582.8	2585.0	2589.4	2591.6	2593.8	2598.2
11.0	2532.2	2532.2	2532.2	2534.4	2538.8	2541.0	2545.4	2549.8	2556.4	2560.8
13.0	2470.6	2472.8	2472.8	2477.2	2481.6	2486.0	2492.6	2499.2	2505.8	2512.4
15.0	2398.0	2400.2	2402.4	2406.8	2413.4	2420.0	2428.8	2437.6	2446.4	2455.2
17.0	2312.2	2312.2	2316.6	2323.2	2332.0	2343.0	2354.0	2367.2	2380.4	2389.2
19.5	2182.4	2184.6	2189.0	2200.0	2213.2	2226.4	2244.0	2261.6	2277.0	2294.6
22.5	1997.6	1999.8	2008.6	2021.8	2039.4	2061.4	2085.6	2109.8	2134.0	2156.0
25.5	1782.0	1786.4	1797.4	1815.0	1839.2	1867.8	1898.6	1931.6	1962.4	1993.2
29.0	1504.8	1509.2	1522.4	1546.6	1575.2	1612.6	1652.2	1694.0	1735.8	1773.2
33.0	1174.8	1179.2	1196.8	1223.2	1258.4	1302.4	1348.6	1401.4	1452.0	1498.2
37.5	833.8	838.2	853.6	880.0	915.2	959.2	1009.8	1064.8	1119.8	1170.4
42.5	532.4	536.8	550.0	569.8	600.6	638.0	679.8	728.2	781.0	829.4
47.5	327.8	330.0	338.8	354.2	376.2	402.6	433.4	468.6	508.2	547.8
55.0	158.4	158.4	162.8	171.6	182.6	195.8	211.2	231.0	250.8	272.8
65.0	61.6	61.6	63.8	66.0	70.4	74.8	81.4	88.0	96.8	103.4
75.0	24.2	24.2	24.2	24.2	26.4	28.6	30.8	33.0	35.2	37.4
85.0	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	8.8
90.0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
95.0	68.2	70.4	70.4	70.4	70.4	70.4	72.6	72.6	72.6	72.6
100.0	151.8	151.8	151.8	154.0	156.2	158.4	160.6	165.0	169.4	173.8
105.0	266.2	266.2	268.4	272.8	275.0	281.6	288.2	294.8	301.4	310.2
110.0	418.0	420.2	422.4	426.8	433.4	440.0	448.8	457.6	468.6	477.4
115.0	607.2	607.2	611.6	616.0	622.6	631.4	640.2	653.4	666.6	682.0
120.0	822.8	825.0	829.4	836.0	844.8	855.8	871.2	886.6	904.2	919.6
125.0	1080.2	1082.4	1086.8	1093.4	1104.4	1115.4	1128.6	1144.0	1157.2	1172.6
130.0	1353.0	1353.0	1357.4	1364.0	1372.8	1381.6	1394.8	1408.0	1421.2	1436.6
135.0	1619.2	1621.4	1623.6	1630.2	1636.8	1647.8	1656.6	1669.8	1683.0	1696.2
140.0	1874.4	1876.6	1878.8	1883.2	1889.8	1898.6	1907.4	1918.4	1929.4	1942.6
145.0	2107.6	2107.6	2109.8	2114.2	2120.8	2127.4	2134.0	2145.0	2153.8	2164.8
150.0	2310.0	2312.2	2314.4	2316.6	2321.0	2325.4	2332.0	2338.6	2347.4	2354.0
155.0	2483.8	2481.6	2483.8	2486.0	2488.2	2492.6	2497.0	2503.6	2508.0	2514.6
160.0	2620.2	2620.2	2622.4	2624.6	2626.8	2629.0	2631.2	2633.4	2637.8	2640.0
165.0	2725.8	2725.8	2725.8	2728.0	2728.0	2730.2	2730.2	2732.4	2734.6	2736.8
170.0	2798.4	2798.4	2798.4	2798.4	2798.4	2798.4	2800.6	2800.6	2800.6	2802.8
175.0	2838.0	2838.0	2838.0	2838.0	2838.0	2838.0	2838.0	2838.0	2838.0	2838.0
180.0	2849.0	2849.0	2849.0	2849.0	2849.0	2849.0	2849.0	2849.0	2849.0	2849.0

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	2664.2	2664.2	2664.2	2664.2	2664.2	2664.2	2664.2	2664.2	2664.2
1.0	2664.2	2664.2	2664.2	2664.2	2664.2	2666.4	2664.2	2664.2	2666.4
3.0	2659.8	2659.8	2659.8	2659.8	2662.0	2659.8	2659.8	2662.0	2659.8
5.0	2648.8	2648.8	2648.8	2648.8	2651.0	2651.0	2651.0	2651.0	2653.2
7.0	2629.0	2629.0	2631.2	2633.4	2633.4	2633.4	2635.6	2635.6	2635.6
9.0	2600.4	2602.6	2604.8	2607.0	2609.2	2611.4	2611.4	2613.6	2613.6
11.0	2565.2	2567.4	2571.8	2576.2	2578.4	2580.6	2582.8	2582.8	2582.8
13.0	2519.0	2525.6	2530.0	2534.4	2538.8	2541.0	2543.2	2545.4	2545.4
15.0	2464.0	2472.8	2479.4	2486.0	2490.4	2494.8	2497.0	2499.2	2499.2

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CANDELA TABULATION - (Cont.)

17.0	2402.4	2411.2	2420.0	2428.8	2433.2	2437.6	2442.0	2444.2	2444.2
19.5	2307.8	2321.0	2332.0	2343.0	2349.6	2354.0	2358.4	2360.6	2360.6
22.5	2175.8	2193.4	2206.6	2219.8	2228.6	2235.2	2237.4	2239.6	2241.8
25.5	2019.6	2041.6	2059.2	2072.4	2083.4	2090.0	2094.4	2098.8	2098.8
29.0	1808.4	1837.0	1859.0	1874.4	1885.4	1892.0	1896.4	1898.6	1898.6
33.0	1540.0	1573.0	1599.4	1617.0	1630.2	1636.8	1641.2	1641.2	1643.4
37.5	1218.8	1256.2	1284.8	1306.8	1317.8	1324.4	1328.8	1331.0	1331.0
42.5	873.4	913.0	941.6	963.6	976.8	983.4	987.8	990.0	990.0
47.5	585.2	618.2	642.4	662.2	675.4	684.2	690.8	693.0	693.0
55.0	294.8	314.6	332.2	345.4	356.4	365.2	371.8	374.0	376.2
65.0	112.2	121.0	127.6	134.2	140.8	147.4	149.6	151.8	154.0
75.0	41.8	44.0	46.2	50.6	52.8	55.0	57.2	57.2	57.2
85.0	8.8	8.8	8.8	11.0	11.0	11.0	11.0	11.0	11.0
90.0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
95.0	72.6	72.6	72.6	74.8	74.8	74.8	74.8	77.0	77.0
100.0	176.0	180.4	184.8	187.0	189.2	193.6	195.8	195.8	195.8
105.0	316.8	323.4	327.8	336.6	343.2	345.4	347.6	347.6	347.6
110.0	488.4	499.4	512.6	521.4	525.8	530.2	530.2	532.4	532.4
115.0	699.6	712.8	723.8	732.6	737.0	743.6	745.8	748.0	748.0
120.0	935.0	948.2	959.2	970.2	979.0	985.6	990.0	992.2	992.2
125.0	1188.0	1201.2	1216.6	1227.6	1238.6	1247.4	1254.0	1256.2	1258.4
130.0	1452.0	1465.2	1480.6	1493.8	1504.8	1515.8	1522.4	1526.8	1526.8
135.0	1711.6	1724.8	1740.2	1753.4	1764.4	1775.4	1782.0	1786.4	1786.4
140.0	1955.8	1969.0	1982.2	1993.2	2004.2	2010.8	2017.4	2021.8	2021.8
145.0	2175.8	2186.8	2195.6	2206.6	2213.2	2219.8	2224.2	2228.6	2228.6
150.0	2362.8	2371.6	2378.2	2387.0	2391.4	2395.8	2400.2	2402.4	2402.4
155.0	2519.0	2525.6	2530.0	2534.4	2538.8	2541.0	2543.2	2545.4	2545.4
160.0	2644.4	2648.8	2651.0	2653.2	2655.4	2657.6	2657.6	2659.8	2659.8
165.0	2736.8	2739.0	2741.2	2741.2	2743.4	2743.4	2743.4	2745.6	2745.6
170.0	2802.8	2802.8	2802.8	2805.0	2805.0	2805.0	2805.0	2805.0	2805.0
175.0	2838.0	2840.2	2838.0	2838.0	2838.0	2838.0	2840.2	2840.2	2840.2
180.0	2849.0	2849.0	2849.0	2849.0	2849.0	2849.0	2849.0	2849.0	2849.0

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_35_U1S2_BL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	895.56	N.A.	8.40
0-30	1755.99	N.A.	16.50
0-40	2483.35	N.A.	23.40
0-60	3334.21	N.A.	31.40
0-80	3586.81	N.A.	33.70
0-90	3616.13	N.A.	34.00
10-90	3412.47	N.A.	32.10
20-40	1587.79	N.A.	14.90
20-50	2182.62	N.A.	20.50
40-70	1028.9	N.A.	9.70
60-80	252.60	N.A.	2.40
70-80	74.56	N.A.	0.70
80-90	29.32	N.A.	0.30
90-110	422.53	N.A.	4.00
90-120	1103.5	N.A.	10.40
90-130	2152.78	N.A.	20.30
90-150	4814.24	N.A.	45.30
90-180	7012.43	N.A.	66.00
110-180	6589.91	N.A.	62.00
0-180	10628.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	203.66
10-20	691.89
20-30	860.44
30-40	727.36
40-50	594.83
50-60	256.04
60-70	178.04
70-80	74.56
80-90	29.32
90-100	87.94
100-110	334.59
110-120	680.97
120-130	1049.29
130-140	1309.37
140-150	1352.08
150-160	1156.87
160-170	771.56
170-180	269.76

IES INDOOR REPORT

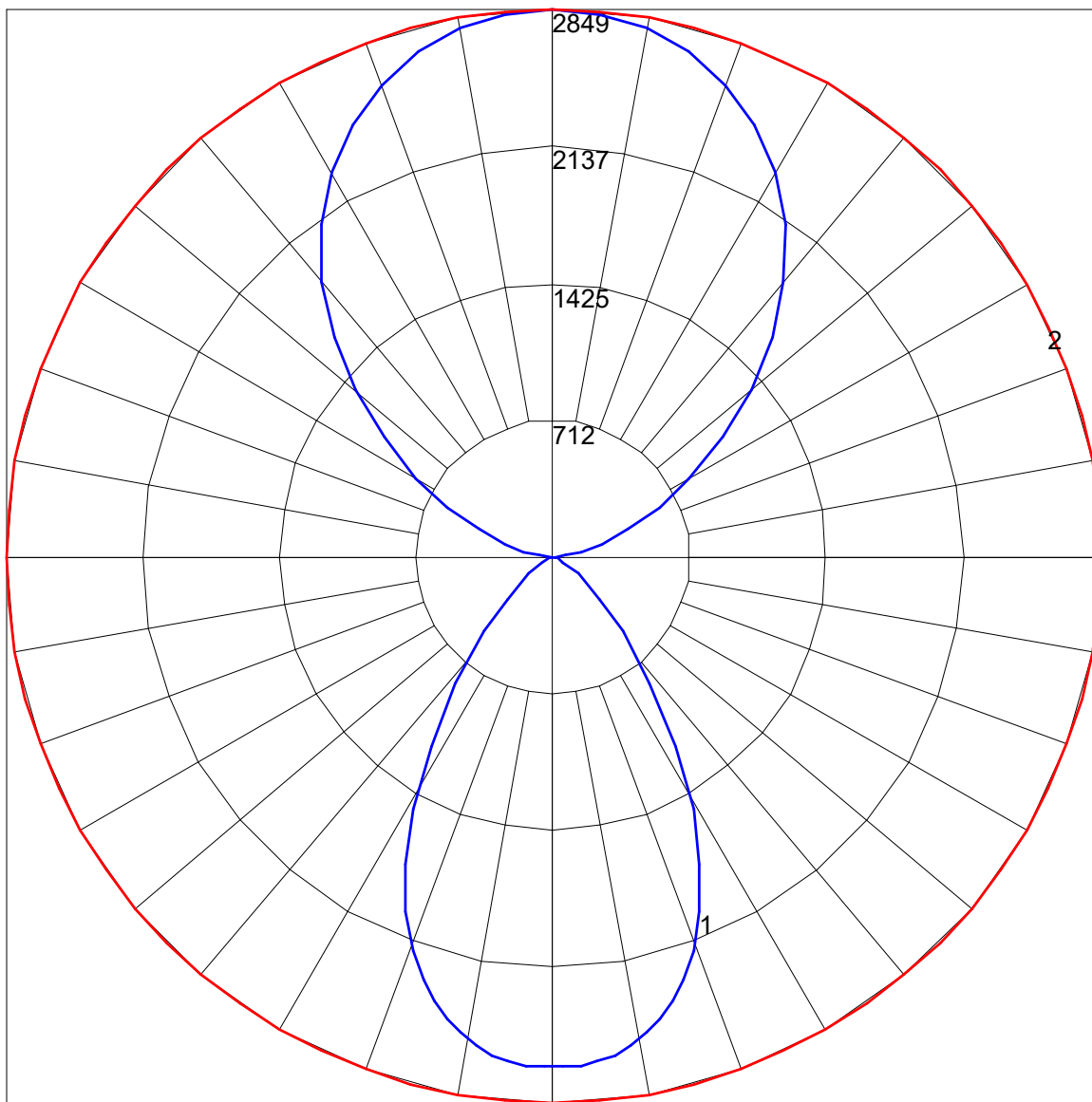
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_35_U1S2_BL.IES

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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	95	91	88	85	86	83	80	77	66	65	63	52	50	49	38	37	37	30
2	87	81	75	71	79	73	69	65	59	56	53	46	44	43	35	33	32	27
3	80	72	65	60	72	65	60	55	53	49	46	42	39	37	32	30	29	24
4	74	64	57	52	67	59	52	48	48	44	40	38	35	33	29	27	26	22
5	68	58	50	45	62	53	46	42	43	39	35	35	32	29	27	25	23	20
6	63	52	45	39	57	48	41	37	40	35	31	32	29	26	25	22	21	18
7	59	47	40	35	53	43	37	33	36	31	28	29	26	23	23	21	19	16
8	55	43	36	31	49	40	33	29	33	28	25	27	24	21	21	19	17	15
9	51	40	33	28	46	36	30	26	31	26	23	25	22	19	20	18	16	14
10	48	36	30	25	43	34	28	24	28	24	21	23	20	18	18	16	15	13

POLAR GRAPH



Maximum Candela = 2849 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.)