

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-35-U2S2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	100	103	105	105
Total Lumens, 4' rail length (1219mm)	10666	11003	11228	11228
Lumens per foot (305mm)	2667	2751	2807	2807
Lumens per foot UP (305mm)	1793	1849	1887	1887
Lumens per foot DOWN (305mm)	874	901	920	920
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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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_U2S2_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911555 (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-U2S2-BL

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

[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	11207
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
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	5479	9566	13496
55	2334	4528	7440
65	1207	2262	4014
75	686	1235	2428
85	419	631	1488

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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	2684.0	2684.0	2684.0	2684.0	2684.0	2684.0	2684.0	2684.0	2684.0	2684.0
1.0	2681.8	2681.8	2681.8	2681.8	2681.8	2681.8	2681.8	2681.8	2681.8	2681.8
3.0	2675.2	2675.2	2675.2	2677.4	2677.4	2677.4	2677.4	2677.4	2677.4	2677.4
5.0	2657.6	2657.6	2657.6	2659.8	2659.8	2659.8	2659.8	2662.0	2662.0	2664.2
7.0	2633.4	2633.4	2633.4	2633.4	2635.6	2635.6	2637.8	2640.0	2642.2	2644.4
9.0	2593.8	2593.8	2596.0	2598.2	2600.4	2602.6	2604.8	2609.2	2611.4	2613.6
11.0	2545.4	2545.4	2547.6	2549.8	2554.2	2556.4	2563.0	2567.4	2571.8	2576.2
13.0	2483.8	2483.8	2486.0	2490.4	2494.8	2501.4	2508.0	2516.8	2523.4	2530.0
15.0	2409.0	2411.2	2413.4	2417.8	2424.4	2433.2	2444.2	2453.0	2464.0	2472.8
17.0	2321.0	2321.0	2325.4	2334.2	2343.0	2354.0	2369.4	2380.4	2395.8	2409.0
19.5	2186.8	2189.0	2195.6	2204.4	2219.8	2235.2	2252.8	2272.6	2292.4	2312.2
22.5	1995.4	1999.8	2008.6	2024.0	2043.8	2068.0	2092.2	2120.8	2147.2	2173.6
25.5	1771.0	1775.4	1788.6	1808.4	1834.8	1865.6	1900.8	1938.2	1973.4	2008.6
29.0	1482.8	1489.4	1504.8	1529.0	1562.0	1603.8	1647.8	1696.2	1744.6	1790.8
33.0	1144.0	1148.4	1166.0	1194.6	1234.2	1280.4	1335.4	1394.8	1454.2	1511.4
37.5	796.4	800.8	818.4	847.0	884.4	930.6	985.6	1049.4	1115.4	1179.2
42.5	499.4	503.8	517.0	539.0	569.8	609.4	655.6	710.6	772.2	831.6
47.5	303.6	305.8	314.6	330.0	352.0	378.4	411.4	453.2	499.4	545.6
55.0	143.0	145.2	149.6	158.4	167.2	182.6	200.2	220.0	244.2	270.6
65.0	57.2	57.2	59.4	61.6	66.0	70.4	77.0	85.8	94.6	103.4
75.0	22.0	22.0	22.0	24.2	24.2	26.4	28.6	33.0	35.2	37.4
85.0	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	8.8	8.8
90.0	44.0	41.8	41.8	41.8	39.6	37.4	35.2	33.0	28.6	26.4
95.0	99.0	99.0	99.0	99.0	96.8	96.8	94.6	92.4	92.4	90.2
100.0	187.0	187.0	187.0	189.2	191.4	195.8	198.0	202.4	206.8	211.2
105.0	332.2	332.2	334.4	338.8	343.2	347.6	352.0	356.4	363.0	367.4
110.0	508.2	508.2	510.4	514.8	519.2	523.6	530.2	536.8	545.6	552.2
115.0	712.8	715.0	717.2	721.6	728.2	734.8	743.6	754.6	765.6	778.8
120.0	959.2	961.4	963.6	970.2	979.0	987.8	998.8	1012.0	1025.2	1036.2
125.0	1240.8	1243.0	1247.4	1251.8	1260.6	1269.4	1280.4	1289.2	1300.2	1311.2
130.0	1531.2	1531.2	1535.6	1540.0	1544.4	1553.2	1559.8	1568.6	1577.4	1586.2
135.0	1804.0	1806.2	1808.4	1810.6	1815.0	1821.6	1826.0	1832.6	1839.2	1845.8
140.0	2050.4	2050.4	2052.6	2054.8	2057.0	2061.4	2063.6	2070.2	2074.6	2079.0
145.0	2259.4	2259.4	2261.6	2261.6	2263.8	2266.0	2270.4	2272.6	2274.8	2279.2
150.0	2435.4	2435.4	2435.4	2435.4	2437.6	2439.8	2442.0	2444.2	2446.4	2448.6
155.0	2576.2	2576.2	2578.4	2578.4	2578.4	2580.6	2580.6	2582.8	2585.0	2585.0
160.0	2688.4	2688.4	2688.4	2690.6	2690.6	2690.6	2690.6	2692.8	2695.0	2695.0
165.0	2774.2	2774.2	2774.2	2774.2	2774.2	2774.2	2776.4	2776.4	2776.4	2776.4
170.0	2831.4	2831.4	2831.4	2831.4	2831.4	2833.6	2833.6	2833.6	2833.6	2833.6
175.0	2864.4	2864.4	2864.4	2866.6	2864.4	2866.6	2864.4	2866.6	2866.6	2866.6
180.0	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2

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>
0.0	2684.0	2684.0	2684.0	2684.0	2684.0	2684.0	2684.0	2684.0	2684.0
1.0	2681.8	2681.8	2681.8	2681.8	2681.8	2681.8	2681.8	2681.8	2681.8
3.0	2677.4	2677.4	2677.4	2677.4	2677.4	2677.4	2677.4	2679.6	2679.6
5.0	2664.2	2664.2	2666.4	2666.4	2666.4	2666.4	2668.6	2668.6	2668.6
7.0	2644.4	2646.6	2648.8	2651.0	2651.0	2653.2	2653.2	2653.2	2655.4
9.0	2618.0	2620.2	2622.4	2624.6	2626.8	2629.0	2631.2	2631.2	2631.2
11.0	2580.6	2587.2	2591.6	2593.8	2598.2	2600.4	2602.6	2602.6	2602.6
13.0	2536.6	2543.2	2549.8	2554.2	2558.6	2563.0	2565.2	2567.4	2567.4
15.0	2483.8	2492.6	2501.4	2508.0	2514.6	2519.0	2521.2	2523.4	2525.6

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CANDELA TABULATION - (Cont.)

17.0	2422.2	2433.2	2444.2	2453.0	2459.6	2466.2	2470.6	2472.8	2472.8
19.5	2327.6	2345.2	2358.4	2369.4	2380.4	2387.0	2391.4	2393.6	2395.8
22.5	2197.8	2219.8	2237.4	2252.8	2266.0	2274.8	2281.4	2285.8	2288.0
25.5	2041.6	2070.2	2094.4	2114.2	2127.4	2140.6	2147.2	2151.6	2153.8
29.0	1834.8	1870.0	1903.0	1927.2	1944.8	1958.0	1966.8	1971.2	1971.2
33.0	1564.2	1612.6	1647.8	1678.6	1698.4	1713.8	1722.6	1727.0	1729.2
37.5	1240.8	1295.8	1337.6	1370.6	1394.8	1410.2	1419.0	1425.6	1427.8
42.5	893.2	946.0	990.0	1025.2	1049.4	1064.8	1075.8	1080.2	1080.2
47.5	596.2	642.4	679.8	712.8	734.8	750.2	759.0	765.6	765.6
55.0	299.2	325.6	349.8	371.8	387.2	400.4	407.0	411.4	413.6
65.0	114.4	125.4	134.2	143.0	151.8	156.2	160.6	165.0	165.0
75.0	41.8	46.2	48.4	52.8	55.0	57.2	59.4	61.6	61.6
85.0	8.8	8.8	11.0	11.0	11.0	11.0	11.0	13.2	13.2
90.0	24.2	19.8	17.6	13.2	11.0	8.8	6.6	4.4	4.4
95.0	88.0	88.0	88.0	88.0	85.8	85.8	83.6	83.6	83.6
100.0	213.4	215.6	215.6	215.6	215.6	215.6	215.6	215.6	215.6
105.0	369.6	374.0	376.2	382.8	385.0	385.0	385.0	385.0	385.0
110.0	561.0	569.8	578.6	583.0	587.4	587.4	589.6	589.6	589.6
115.0	789.8	800.8	807.4	814.0	818.4	820.6	822.8	825.0	825.0
120.0	1047.2	1058.2	1064.8	1071.4	1078.0	1082.4	1084.6	1086.8	1086.8
125.0	1320.0	1328.8	1337.6	1344.2	1348.6	1353.0	1357.4	1359.6	1359.6
130.0	1592.8	1601.6	1608.2	1614.8	1619.2	1623.6	1628.0	1630.2	1630.2
135.0	1852.4	1859.0	1863.4	1867.8	1872.2	1876.6	1878.8	1881.0	1881.0
140.0	2083.4	2087.8	2092.2	2096.6	2098.8	2103.2	2105.4	2105.4	2107.6
145.0	2283.6	2285.8	2290.2	2292.4	2294.6	2296.8	2299.0	2299.0	2299.0
150.0	2450.8	2453.0	2455.2	2457.4	2459.6	2459.6	2461.8	2461.8	2461.8
155.0	2587.2	2589.4	2589.4	2591.6	2591.6	2593.8	2593.8	2593.8	2593.8
160.0	2695.0	2697.2	2697.2	2697.2	2699.4	2699.4	2699.4	2699.4	2699.4
165.0	2776.4	2778.6	2778.6	2778.6	2778.6	2778.6	2778.6	2780.8	2780.8
170.0	2833.6	2833.6	2833.6	2833.6	2833.6	2833.6	2835.8	2835.8	2835.8
175.0	2866.6	2866.6	2866.6	2866.6	2866.6	2866.6	2866.6	2866.6	2866.6
180.0	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2	2873.2

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	901.94	N.A.	8.00
0-30	1770.96	N.A.	15.80
0-40	2508.91	N.A.	22.40
0-60	3378.74	N.A.	30.10
0-80	3636.57	N.A.	32.40
0-90	3672.19	N.A.	32.80
10-90	3467.21	N.A.	30.90
20-40	1606.97	N.A.	14.30
20-50	2214.46	N.A.	19.80
40-70	1051.78	N.A.	9.40
60-80	257.83	N.A.	2.30
70-80	75.88	N.A.	0.70
80-90	35.62	N.A.	0.30
90-110	503.70	N.A.	4.50
90-120	1277.75	N.A.	11.40
90-130	2445.64	N.A.	21.80
90-150	5287.92	N.A.	47.20
90-180	7534.97	N.A.	67.20
110-180	7031.27	N.A.	62.70
0-180	11207.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	204.98
10-20	696.96
20-30	869.02
30-40	737.95
40-50	607.49
50-60	262.34
60-70	181.95
70-80	75.88
80-90	35.62
90-100	112.45
100-110	391.26
110-120	774.05
120-130	1167.89
130-140	1418.95
140-150	1423.33
150-160	1190.85
160-170	783.70
170-180	272.50

IES INDOOR REPORT

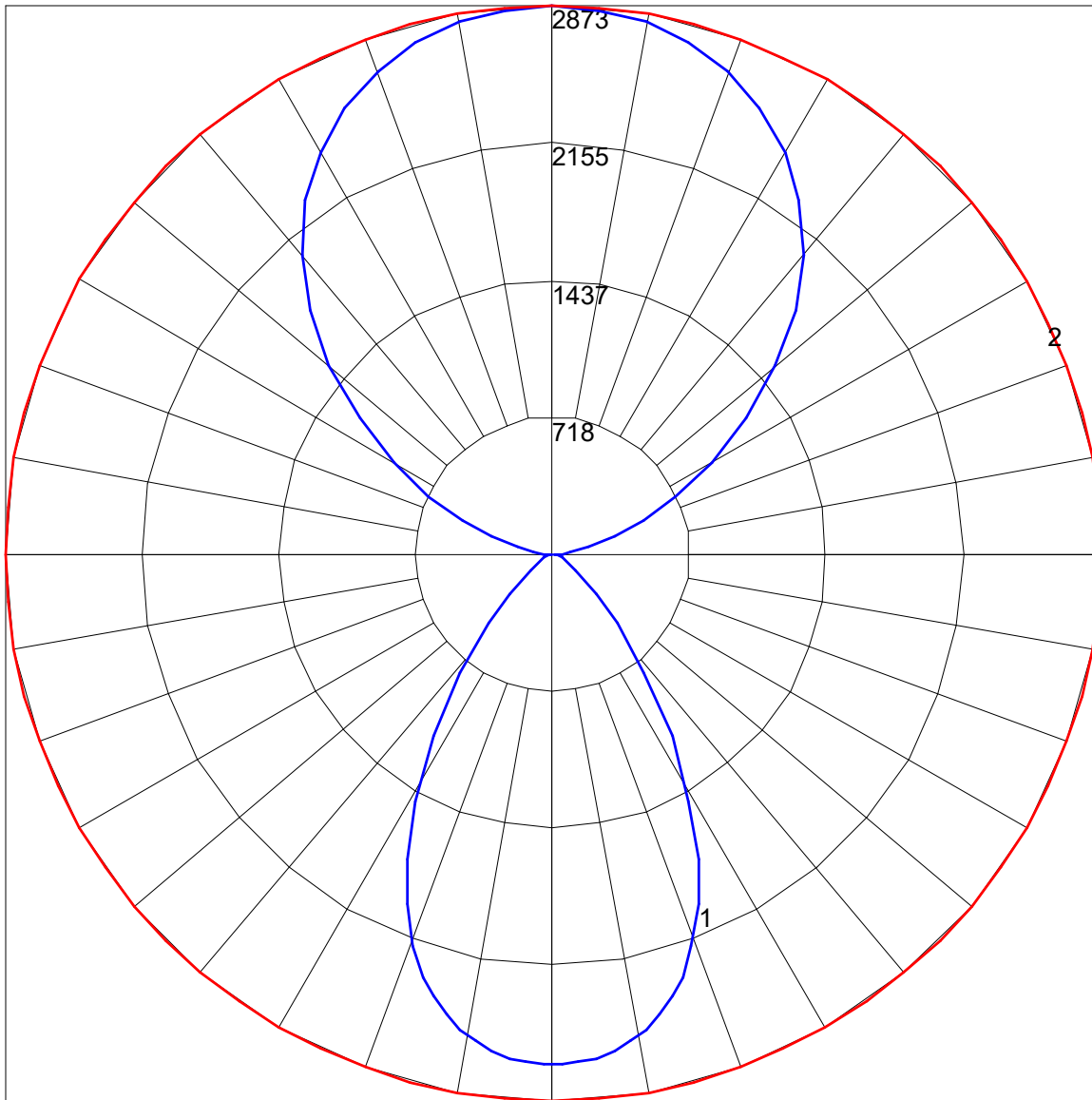
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	103	103	103	93	93	93	93	74	74	74	56	56	56	40	40	40	33
1	95	91	87	84	85	82	79	77	66	64	62	51	50	48	37	36	36	29
2	87	80	75	70	78	73	68	64	59	56	53	46	44	42	34	32	31	26
3	80	71	65	60	72	65	59	55	53	49	46	41	39	37	31	29	28	23
4	74	64	57	51	66	58	52	47	47	43	40	37	34	32	28	26	25	21
5	68	57	50	45	61	52	46	41	43	38	35	34	31	28	26	24	22	19
6	63	52	44	39	57	47	41	36	39	34	31	31	28	25	24	22	20	17
7	58	47	40	35	53	43	37	32	36	31	27	29	25	23	22	20	18	16
8	54	43	36	31	49	39	33	29	33	28	25	26	23	21	20	18	17	14
9	51	39	32	28	46	36	30	26	30	26	22	24	21	19	19	17	15	13
10	47	36	29	25	43	33	27	23	28	23	20	23	19	17	18	16	14	12

POLAR GRAPH



Maximum Candela = 2873.2 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.)