



IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | Soft Diffuse, down | 80 CRI | HO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-35-U2D2-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	126	130	132	132
Total Lumens, 4' rail length (1219mm)	13498	13925	14209	14209
Lumens per foot (305mm)	3375	3481	3552	3552
Lumens per foot UP (305mm)	1896	1956	1996	1996
Lumens per foot DOWN (305mm)	1478	1525	1556	1556
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_U2D2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911557 (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-U2D2-AL

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

[MORE] 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	14183
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
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	0.02 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	19605	19896	20863
55	18424	18812	20144
65	16578	17130	18947
75	13383	14090	16648
85	7259	8206	12652

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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	2138.4	2138.4	2138.4	2138.4	2138.4	2138.4	2138.4	2138.4	2138.4	2138.4
1.0	2138.4	2138.4	2138.4	2138.4	2138.4	2138.4	2138.4	2138.4	2138.4	2138.4
3.0	2136.2	2136.2	2136.2	2136.2	2136.2	2136.2	2136.2	2136.2	2136.2	2136.2
5.0	2131.8	2131.8	2131.8	2131.8	2131.8	2131.8	2131.8	2131.8	2131.8	2131.8
7.0	2120.8	2123.0	2123.0	2123.0	2123.0	2123.0	2123.0	2123.0	2123.0	2123.0
9.0	2112.0	2112.0	2112.0	2112.0	2112.0	2112.0	2112.0	2112.0	2112.0	2112.0
11.0	2096.6	2096.6	2096.6	2096.6	2096.6	2096.6	2096.6	2096.6	2096.6	2096.6
13.0	2079.0	2079.0	2079.0	2079.0	2079.0	2079.0	2079.0	2079.0	2079.0	2079.0
15.0	2059.2	2059.2	2059.2	2059.2	2059.2	2059.2	2059.2	2057.0	2057.0	2057.0
17.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0	2035.0
19.5	2002.0	2002.0	2002.0	2002.0	2002.0	2002.0	1999.8	1999.8	1999.8	1999.8
22.5	1955.8	1955.8	1955.8	1955.8	1955.8	1953.6	1953.6	1953.6	1953.6	1953.6
25.5	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1903.0	1900.8	1900.8	1900.8
29.0	1837.0	1837.0	1834.8	1834.8	1834.8	1834.8	1834.8	1834.8	1832.6	1832.6
33.0	1749.0	1749.0	1749.0	1749.0	1749.0	1749.0	1746.8	1746.8	1746.8	1744.6
37.5	1641.2	1641.2	1641.2	1641.2	1641.2	1639.0	1639.0	1639.0	1636.8	1636.8
42.5	1509.2	1509.2	1509.2	1509.2	1507.0	1507.0	1507.0	1504.8	1504.8	1504.8
47.5	1364.0	1364.0	1364.0	1364.0	1364.0	1361.8	1361.8	1361.8	1359.6	1359.6
55.0	1128.6	1128.6	1128.6	1128.6	1128.6	1128.6	1126.4	1126.4	1126.4	1124.2
65.0	785.4	785.4	785.4	785.4	785.4	785.4	783.2	783.2	783.2	783.2
75.0	429.0	429.0	429.0	429.0	426.8	426.8	426.8	426.8	426.8	426.8
85.0	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.4
90.0	57.2	57.2	57.2	55.0	52.8	50.6	48.4	44.0	39.6	35.2
95.0	127.6	127.6	125.4	125.4	123.2	121.0	118.8	116.6	114.4	110.0
100.0	228.8	228.8	228.8	228.8	231.0	231.0	231.0	233.2	233.2	235.4
105.0	378.4	378.4	378.4	380.6	382.8	385.0	389.4	391.6	393.8	396.0
110.0	558.8	558.8	561.0	565.4	567.6	574.2	578.6	585.2	589.6	596.2
115.0	781.0	783.2	785.4	789.8	794.2	800.8	807.4	814.0	822.8	831.6
120.0	1040.6	1040.6	1045.0	1049.4	1053.8	1062.6	1071.4	1082.4	1093.4	1104.4
125.0	1328.8	1331.0	1333.2	1337.6	1346.4	1353.0	1364.0	1372.8	1383.8	1394.8
130.0	1630.2	1630.2	1632.4	1636.8	1643.4	1650.0	1658.8	1667.6	1674.2	1680.8
135.0	1916.2	1916.2	1918.4	1922.8	1925.0	1931.6	1936.0	1940.4	1944.8	1949.2
140.0	2169.2	2169.2	2171.4	2173.6	2175.8	2178.0	2180.2	2182.4	2184.6	2189.0
145.0	2382.6	2382.6	2384.8	2384.8	2387.0	2387.0	2389.2	2391.4	2393.6	2393.6
150.0	2560.8	2560.8	2560.8	2560.8	2563.0	2563.0	2563.0	2565.2	2567.4	2567.4
155.0	2703.8	2703.8	2703.8	2706.0	2706.0	2706.0	2706.0	2706.0	2708.2	2708.2
160.0	2818.2	2818.2	2818.2	2820.4	2820.4	2820.4	2820.4	2820.4	2820.4	2820.4
165.0	2904.0	2904.0	2906.2	2904.0	2904.0	2904.0	2906.2	2906.2	2906.2	2906.2
170.0	2963.4	2965.6	2965.6	2965.6	2963.4	2965.6	2965.6	2965.6	2965.6	2965.6
175.0	2998.6	2998.6	2998.6	2998.6	2998.6	2998.6	2998.6	2998.6	2998.6	2998.6
180.0	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4

Vert. Horizontal Angles
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	2138.4	2138.4	2138.4	2138.4	2138.4	2138.4	2138.4	2138.4	2138.4
1.0	2138.4	2138.4	2138.4	2138.4	2138.4	2138.4	2138.4	2138.4	2138.4
3.0	2136.2	2136.2	2136.2	2136.2	2136.2	2136.2	2136.2	2136.2	2136.2
5.0	2131.8	2131.8	2131.8	2131.8	2131.8	2131.8	2131.8	2131.8	2131.8
7.0	2123.0	2123.0	2123.0	2123.0	2123.0	2123.0	2123.0	2123.0	2123.0
9.0	2109.8	2112.0	2109.8	2109.8	2109.8	2109.8	2109.8	2109.8	2109.8
11.0	2096.6	2096.6	2096.6	2096.6	2096.6	2096.6	2096.6	2096.6	2096.6
13.0	2079.0	2079.0	2079.0	2076.8	2076.8	2076.8	2076.8	2076.8	2076.8
15.0	2057.0	2057.0	2057.0	2057.0	2057.0	2057.0	2057.0	2057.0	2057.0

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CANDELA TABULATION - (Cont.)

17.0	2032.8	2032.8	2032.8	2032.8	2032.8	2032.8	2032.8	2032.8	2032.8
19.5	1999.8	1997.6	1997.6	1997.6	1999.8	1997.6	1997.6	1997.6	1997.6
22.5	1953.6	1951.4	1951.4	1951.4	1951.4	1951.4	1951.4	1951.4	1951.4
25.5	1900.8	1898.6	1898.6	1898.6	1898.6	1898.6	1898.6	1898.6	1896.4
29.0	1832.6	1830.4	1830.4	1830.4	1830.4	1830.4	1830.4	1828.2	1828.2
33.0	1744.6	1744.6	1742.4	1742.4	1742.4	1742.4	1742.4	1742.4	1742.4
37.5	1636.8	1634.6	1634.6	1634.6	1632.4	1632.4	1632.4	1632.4	1632.4
42.5	1502.6	1502.6	1500.4	1500.4	1500.4	1500.4	1500.4	1498.2	1498.2
47.5	1359.6	1357.4	1357.4	1357.4	1355.2	1355.2	1355.2	1355.2	1355.2
55.0	1124.2	1122.0	1122.0	1122.0	1122.0	1122.0	1119.8	1119.8	1119.8
65.0	781.0	781.0	781.0	781.0	781.0	778.8	778.8	778.8	778.8
75.0	424.6	424.6	424.6	424.6	424.6	422.4	422.4	422.4	422.4
85.0	114.4	114.4	112.2	112.2	112.2	112.2	112.2	112.2	112.2
90.0	30.8	26.4	22.0	17.6	15.4	11.0	8.8	6.6	4.4
95.0	105.6	103.4	101.2	96.8	94.6	90.2	90.2	88.0	88.0
100.0	233.2	233.2	231.0	228.8	228.8	228.8	228.8	228.8	226.6
105.0	398.2	400.4	402.6	404.8	409.2	409.2	409.2	409.2	407.0
110.0	600.6	607.2	613.8	620.4	622.6	624.8	624.8	622.6	622.6
115.0	842.6	851.4	860.2	864.6	869.0	869.0	869.0	869.0	869.0
120.0	1115.4	1124.2	1130.8	1135.2	1139.6	1139.6	1141.8	1141.8	1141.8
125.0	1403.6	1410.2	1414.6	1419.0	1421.2	1423.4	1425.6	1425.6	1425.6
130.0	1687.4	1691.8	1696.2	1698.4	1702.8	1702.8	1705.0	1705.0	1707.2
135.0	1953.6	1955.8	1958.0	1962.4	1964.6	1964.6	1966.8	1966.8	1966.8
140.0	2191.2	2193.4	2195.6	2197.8	2197.8	2200.0	2200.0	2200.0	2200.0
145.0	2395.8	2398.0	2400.2	2400.2	2400.2	2402.4	2402.4	2402.4	2402.4
150.0	2567.4	2569.6	2569.6	2571.8	2571.8	2571.8	2571.8	2571.8	2571.8
155.0	2708.2	2710.4	2710.4	2710.4	2710.4	2710.4	2712.6	2712.6	2710.4
160.0	2820.4	2820.4	2822.6	2820.4	2822.6	2822.6	2822.6	2822.6	2822.6
165.0	2906.2	2906.2	2906.2	2906.2	2906.2	2906.2	2906.2	2906.2	2906.2
170.0	2965.6	2965.6	2965.6	2965.6	2965.6	2965.6	2965.6	2965.6	2965.6
175.0	2998.6	2998.6	2998.6	2998.6	2998.6	2998.6	2998.6	3000.8	2998.6
180.0	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4	3007.4

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	746.28	N.A.	5.30
0-30	1565.08	N.A.	11.00
0-40	2450.72	N.A.	17.30
0-60	4355.16	N.A.	30.70
0-80	5881.31	N.A.	41.50
0-90	6212.56	N.A.	43.80
10-90	6048.13	N.A.	42.60
20-40	1704.43	N.A.	12.00
20-50	2812.7	N.A.	19.80
40-70	2808.88	N.A.	19.80
60-80	1526.15	N.A.	10.80
70-80	621.71	N.A.	4.40
80-90	331.25	N.A.	2.30
90-110	557.44	N.A.	3.90
90-120	1387.11	N.A.	9.80
90-130	2626.34	N.A.	18.50
90-150	5617.6	N.A.	39.60
90-180	7970.4	N.A.	56.20
110-180	7412.95	N.A.	52.30
0-180	14182.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	164.44
10-20	581.85
20-30	818.80
30-40	885.64
40-50	1108.26
50-60	796.18
60-70	904.44
70-80	621.71
80-90	331.25
90-100	131.33
100-110	426.11
110-120	829.67
120-130	1239.23
130-140	1496.52
140-150	1494.74
150-160	1247.43
160-170	820.21
170-180	285.16

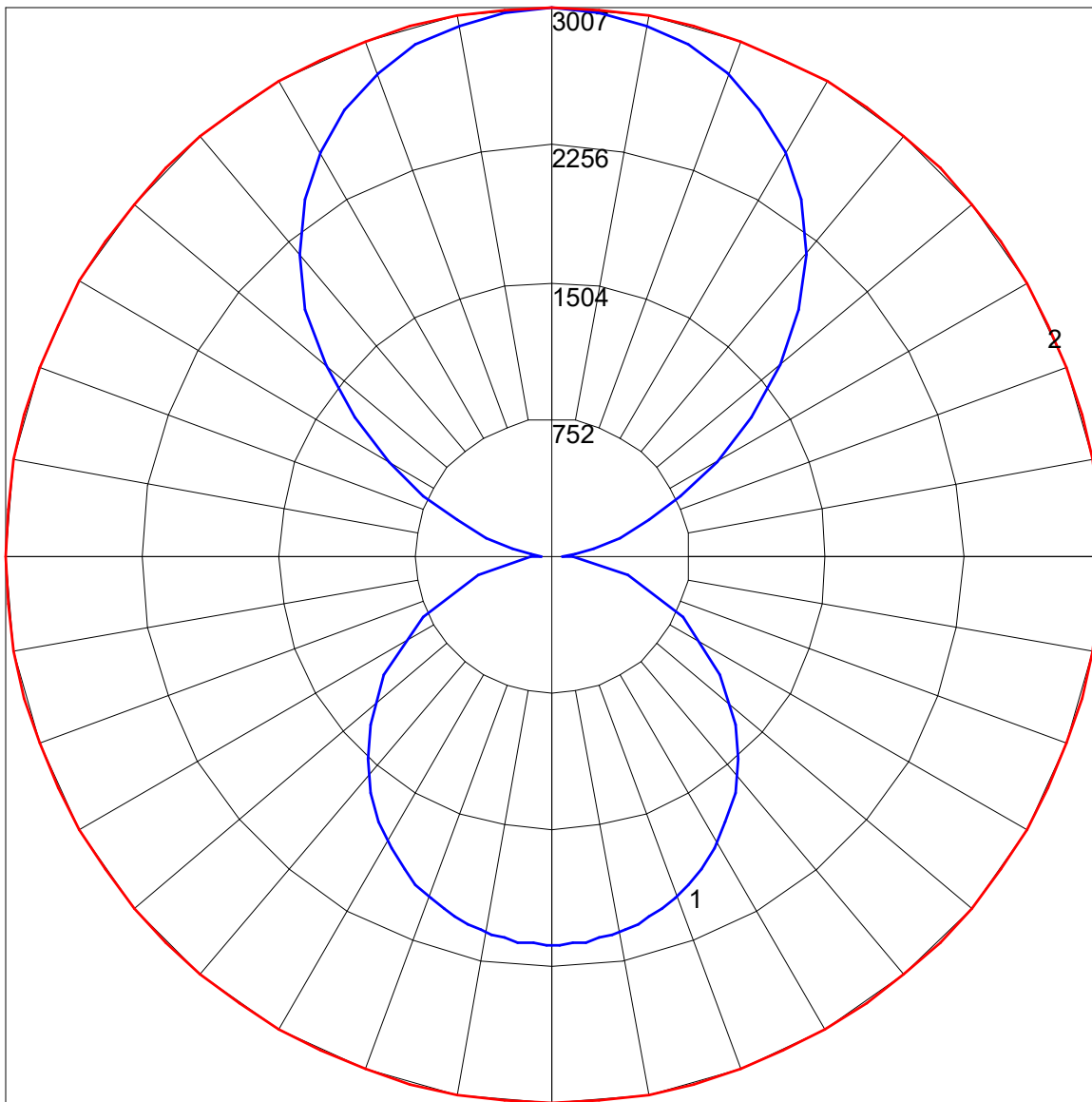
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	50	50	50	44
1	95	91	86	83	87	83	79	76	69	66	63	55	53	52	43	42	41	35
2	86	79	72	67	79	72	66	62	59	55	52	48	45	42	37	35	33	28
3	79	69	61	55	71	63	56	51	52	47	43	42	38	35	33	30	28	24
4	72	61	52	46	65	56	48	43	46	41	36	37	33	30	29	26	24	20
5	66	54	45	39	60	49	42	37	41	35	31	33	29	26	26	23	21	17
6	60	48	40	34	55	44	37	32	37	31	27	30	26	22	24	20	18	15
7	56	43	35	30	51	40	33	28	33	28	24	27	23	20	21	18	16	13
8	52	39	31	26	47	36	29	24	30	25	21	25	21	18	20	17	14	12
9	48	36	28	23	44	33	26	22	28	22	19	23	19	16	18	15	13	11
10	45	33	25	21	41	30	24	19	26	20	17	21	17	14	17	14	12	10

POLAR GRAPH



Maximum Candela = 3007.4 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.)