



IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-35-U2S7-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	110	113	116	116
Total Lumens, 4' rail length (1219mm)	11781	12153	12401	12401
Lumens per foot (305mm)	2945	3038	3100	3100
Lumens per foot UP (305mm)	1141	1177	1201	1201
Lumens per foot DOWN (305mm)	1805	1862	1900	1900
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_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-35-U2S7-BL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 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	12379
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
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	23857	25107	27630
55	19266	21240	24608
65	14224	16096	20177
75	9571	11205	15293
85	5769	6053	9419

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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	2886.4	2886.4	2886.4	2886.4	2886.4	2886.4	2886.4	2886.4	2886.4	2886.4
5	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6
10	2844.6	2844.6	2844.6	2844.6	2844.6	2844.6	2844.6	2844.6	2844.6	2846.8
15	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2789.6	2789.6
20	2701.6	2701.6	2701.6	2701.6	2703.8	2703.8	2703.8	2706.0	2706.0	2708.2
25	2587.2	2587.2	2589.4	2589.4	2591.6	2591.6	2593.8	2593.8	2596.0	2598.2
30	2444.2	2444.2	2446.4	2446.4	2448.6	2450.8	2450.8	2455.2	2457.4	2459.6
35	2270.4	2270.4	2272.6	2272.6	2274.8	2277.0	2281.4	2283.6	2288.0	2290.2
40	2061.4	2061.4	2063.6	2065.8	2068.0	2072.4	2076.8	2081.2	2085.6	2090.0
45	1810.6	1810.6	1815.0	1819.4	1823.8	1830.4	1837.0	1843.6	1850.2	1856.8
50	1529.0	1531.2	1533.4	1540.0	1546.6	1555.4	1564.2	1577.4	1588.4	1597.2
55	1238.6	1240.8	1243.0	1249.6	1258.4	1269.4	1278.2	1291.4	1304.6	1317.8
60	959.2	961.4	963.6	968.0	974.6	985.6	996.6	1012.0	1025.2	1038.4
65	721.6	721.6	723.8	728.2	732.6	739.2	745.8	754.6	763.4	776.6
70	514.8	514.8	517.0	519.2	525.8	530.2	536.8	543.4	547.8	552.2
75	341.0	341.0	343.2	345.4	349.8	352.0	356.4	363.0	367.4	369.6
80	206.8	206.8	206.8	209.0	209.0	211.2	213.4	215.6	215.6	217.8
85	112.2	112.2	112.2	110.0	110.0	107.8	105.6	105.6	103.4	101.2
90	48.4	48.4	48.4	46.2	44.0	41.8	39.6	37.4	33.0	30.8
95	13.2	13.2	13.2	13.2	13.2	15.4	15.4	15.4	17.6	17.6
100	33.0	33.0	33.0	35.2	35.2	37.4	39.6	41.8	44.0	44.0
105	59.4	61.6	61.6	63.8	68.2	70.4	74.8	79.2	81.4	85.8
110	103.4	103.4	105.6	110.0	114.4	121.0	127.6	132.0	138.6	143.0
115	167.2	169.4	171.6	178.2	187.0	195.8	206.8	215.6	224.4	231.0
120	266.2	268.4	275.0	283.8	294.8	310.2	325.6	341.0	354.2	363.0
125	422.4	426.8	433.4	446.6	464.2	486.2	508.2	528.0	547.8	561.0
130	657.8	660.0	671.0	688.6	710.6	739.2	765.6	792.0	814.0	829.4
135	974.6	979.0	992.2	1009.8	1036.2	1064.8	1093.4	1122.0	1141.8	1155.0
140	1348.6	1353.0	1364.0	1383.8	1405.8	1430.0	1454.2	1476.2	1491.6	1500.4
145	1727.0	1729.2	1738.0	1751.2	1766.6	1784.2	1799.6	1812.8	1821.6	1821.6
150	2052.6	2052.6	2059.2	2065.8	2074.6	2083.4	2090.0	2096.6	2098.8	2096.6
155	2301.2	2303.4	2305.6	2307.8	2310.0	2314.4	2314.4	2316.6	2316.6	2312.2
160	2481.6	2481.6	2481.6	2481.6	2483.8	2483.8	2481.6	2481.6	2479.4	2477.2
165	2598.2	2598.2	2598.2	2598.2	2598.2	2598.2	2598.2	2596.0	2596.0	2593.8
170	2670.8	2670.8	2670.8	2670.8	2670.8	2670.8	2670.8	2670.8	2668.6	2668.6
175	2710.4	2710.4	2710.4	2710.4	2710.4	2710.4	2710.4	2710.4	2710.4	2710.4
180	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4

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	2886.4	2886.4	2886.4	2886.4	2886.4	2886.4	2886.4	2886.4	2886.4
5	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6
10	2846.8	2846.8	2846.8	2846.8	2846.8	2846.8	2846.8	2846.8	2846.8
15	2789.6	2789.6	2789.6	2791.8	2791.8	2791.8	2791.8	2791.8	2791.8
20	2708.2	2710.4	2710.4	2710.4	2710.4	2712.6	2712.6	2712.6	2712.6
25	2600.4	2600.4	2602.6	2604.8	2604.8	2604.8	2607.0	2607.0	2607.0
30	2461.8	2464.0	2466.2	2468.4	2470.6	2472.8	2472.8	2472.8	2472.8
35	2294.6	2296.8	2301.2	2303.4	2305.6	2307.8	2310.0	2310.0	2312.2
40	2094.4	2098.8	2103.2	2107.6	2112.0	2114.2	2116.4	2118.6	2118.6
45	1863.4	1870.0	1874.4	1881.0	1885.4	1889.8	1892.0	1894.2	1894.2
50	1606.0	1612.6	1619.2	1625.8	1632.4	1636.8	1639.0	1641.2	1641.2
55	1331.0	1342.0	1348.6	1355.2	1361.8	1366.2	1368.4	1370.6	1372.8
60	1051.6	1067.0	1075.8	1082.4	1089.0	1091.2	1095.6	1097.8	1097.8

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CANDELA TABULATION - (Cont.)

65	789.8	803.0	814.0	822.8	827.2	831.6	833.8	833.8	833.8
70	558.8	567.6	578.6	587.4	594.0	596.2	596.2	598.4	598.4
75	374.0	374.0	376.2	380.6	387.2	391.6	391.6	391.6	391.6
80	220.0	220.0	220.0	217.8	215.6	220.0	222.2	220.0	220.0
85	99.0	96.8	94.6	92.4	90.2	88.0	85.8	85.8	85.8
90	26.4	22.0	19.8	15.4	13.2	11.0	8.8	6.6	6.6
95	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
100	46.2	46.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4
105	88.0	88.0	90.2	90.2	90.2	92.4	92.4	92.4	92.4
110	147.4	149.6	149.6	151.8	151.8	149.6	149.6	149.6	149.6
115	235.4	237.6	239.8	237.6	235.4	233.2	233.2	231.0	231.0
120	369.6	371.8	369.6	365.2	360.8	356.4	352.0	349.8	347.6
125	567.6	567.6	563.2	554.4	545.6	536.8	528.0	523.6	521.4
130	836.0	833.8	822.8	809.6	796.4	781.0	770.0	761.2	759.0
135	1157.2	1152.8	1139.6	1122.0	1102.2	1084.6	1071.4	1062.6	1058.2
140	1498.2	1491.6	1476.2	1456.4	1438.8	1421.2	1405.8	1397.0	1394.8
145	1819.4	1810.6	1797.4	1779.8	1764.4	1749.0	1735.8	1729.2	1727.0
150	2092.2	2083.4	2072.4	2059.2	2048.2	2037.2	2028.4	2024.0	2021.8
155	2307.8	2301.2	2294.6	2288.0	2279.2	2274.8	2268.2	2266.0	2266.0
160	2475.0	2470.6	2466.2	2461.8	2457.4	2455.2	2453.0	2450.8	2448.6
165	2591.6	2589.4	2587.2	2585.0	2585.0	2582.8	2580.6	2580.6	2580.6
170	2668.6	2666.4	2666.4	2666.4	2666.4	2664.2	2664.2	2664.2	2664.2
175	2710.4	2710.4	2710.4	2710.4	2710.4	2710.4	2710.4	2710.4	2710.4
180	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1060.92	N.A.	8.60
0-30	2257.3	N.A.	18.20
0-40	3687.63	N.A.	29.80
0-60	6287.29	N.A.	50.80
0-80	7463.75	N.A.	60.30
0-90	7584.69	N.A.	61.30
10-90	7311.04	N.A.	59.10
20-40	2626.71	N.A.	21.20
20-50	4053.39	N.A.	32.70
40-70	3378.44	N.A.	27.30
60-80	1176.46	N.A.	9.50
70-80	397.67	N.A.	3.20
80-90	120.94	N.A.	1.00
90-110	117.35	N.A.	0.90
90-120	339.18	N.A.	2.70
90-130	813.82	N.A.	6.60
90-150	2754.66	N.A.	22.30
90-180	4793.86	N.A.	38.70
110-180	4676.5	N.A.	37.80
0-180	12378.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	273.65
10-20	787.27
20-30	1196.38
30-40	1430.33
40-50	1426.68
50-60	1172.98
60-70	778.78
70-80	397.67
80-90	120.94
90-100	28.29
100-110	89.06
110-120	221.82
120-130	474.65
130-140	839.91
140-150	1100.92
150-160	1052.59
160-170	729.26
170-180	257.34

IES INDOOR REPORT

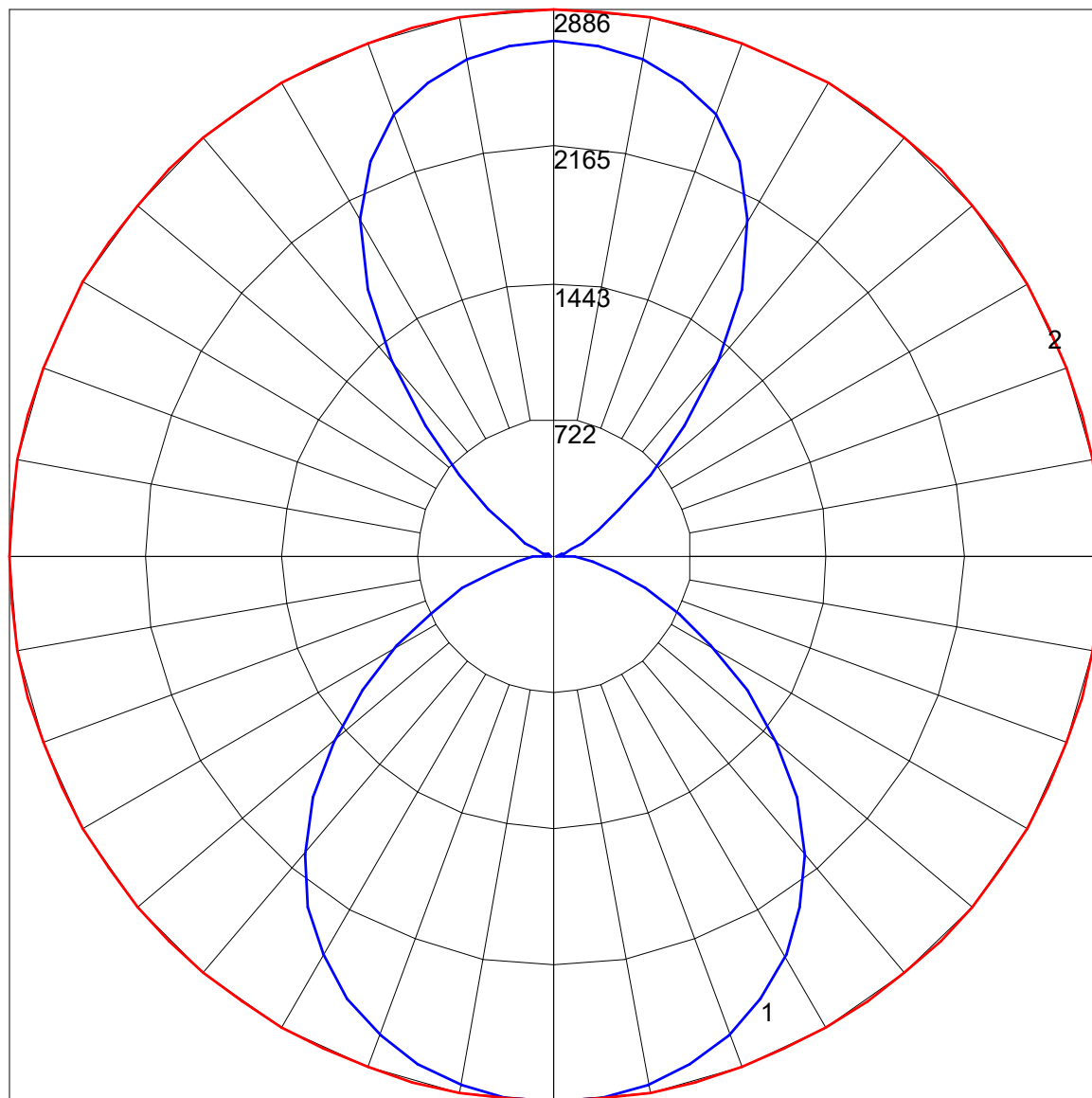
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2886.4 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.)