

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-35-U1D2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	112	116	118	118
Total Lumens, 4' rail length (1219mm)	12029	12409	12662	12662
Lumens per foot (305mm)	3007	3102	3165	3165
Lumens per foot UP (305mm)	1675	1728	1763	1763
Lumens per foot DOWN (305mm)	1332	1374	1402	1402
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_U1D2_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010919 (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-U1D2-BL

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

[MORE] up/soft diffuse 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	12639
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
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	17074	17491	18805
55	15879	16382	18140
65	14051	14728	17089
75	11114	11806	15036
85	5883	6579	11351

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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	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2
5	1911.8	1911.8	1911.8	1911.8	1911.8	1911.8	1911.8	1911.8	1911.8	1911.8
10	1887.6	1887.6	1887.6	1887.6	1887.6	1887.6	1887.6	1887.6	1887.6	1887.6
15	1848.0	1848.0	1848.0	1848.0	1848.0	1848.0	1848.0	1848.0	1848.0	1848.0
20	1793.0	1790.8	1793.0	1793.0	1790.8	1790.8	1790.8	1790.8	1790.8	1790.8
25	1720.4	1720.4	1720.4	1720.4	1718.2	1718.2	1718.2	1718.2	1718.2	1718.2
30	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1630.2	1630.2	1630.2
35	1533.4	1533.4	1533.4	1531.2	1531.2	1531.2	1531.2	1531.2	1529.0	1529.0
40	1421.2	1421.2	1421.2	1421.2	1421.2	1419.0	1419.0	1419.0	1416.8	1416.8
45	1295.8	1295.8	1295.8	1295.8	1295.8	1295.8	1295.8	1293.6	1293.6	1293.6
50	1163.8	1163.8	1163.8	1161.6	1161.6	1161.6	1161.6	1159.4	1159.4	1159.4
55	1020.8	1020.8	1020.8	1020.8	1018.6	1018.6	1018.6	1018.6	1016.4	1016.4
60	869.0	869.0	869.0	869.0	869.0	869.0	866.8	866.8	866.8	866.8
65	712.8	712.8	712.8	712.8	712.8	712.8	710.6	710.6	710.6	710.6
70	554.4	554.4	554.4	552.2	552.2	552.2	552.2	550.0	550.0	550.0
75	396.0	396.0	396.0	393.8	393.8	393.8	393.8	391.6	391.6	389.4
80	244.2	244.2	244.2	244.2	244.2	244.2	242.0	242.0	242.0	239.8
85	114.4	114.4	114.4	114.4	114.4	112.2	112.2	112.2	110.0	110.0
90	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
95	74.8	74.8	74.8	74.8	77.0	77.0	77.0	79.2	79.2	79.2
100	162.8	162.8	162.8	165.0	167.2	169.4	173.8	178.2	180.4	184.8
105	283.8	283.8	286.0	288.2	292.6	297.0	301.4	308.0	312.4	316.8
110	431.2	431.2	435.6	437.8	442.2	448.8	455.4	462.0	470.8	481.8
115	607.2	607.2	611.6	616.0	622.6	633.6	644.6	655.6	668.8	682.0
120	822.8	825.0	829.4	836.0	842.6	853.6	866.8	880.0	897.6	919.6
125	1069.2	1069.2	1073.6	1082.4	1093.4	1106.6	1122.0	1141.8	1159.4	1177.0
130	1344.2	1346.4	1350.8	1359.6	1370.6	1383.8	1397.0	1412.4	1425.6	1441.0
135	1623.6	1625.8	1630.2	1634.6	1643.4	1652.2	1663.2	1674.2	1687.4	1700.6
140	1883.2	1883.2	1885.4	1889.8	1896.4	1905.2	1914.0	1922.8	1933.8	1944.8
145	2114.2	2116.4	2118.6	2120.8	2127.4	2131.8	2140.6	2147.2	2156.0	2164.8
150	2316.6	2318.8	2318.8	2321.0	2325.4	2329.8	2336.4	2343.0	2349.6	2356.2
155	2488.2	2488.2	2490.4	2490.4	2494.8	2497.0	2501.4	2505.8	2512.4	2516.8
160	2626.8	2626.8	2626.8	2629.0	2631.2	2633.4	2635.6	2637.8	2640.0	2644.4
165	2732.4	2730.2	2732.4	2732.4	2734.6	2734.6	2736.8	2736.8	2741.2	2741.2
170	2805.0	2805.0	2805.0	2805.0	2805.0	2805.0	2807.2	2807.2	2807.2	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	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2	1916.2
5	1911.8	1911.8	1911.8	1911.8	1911.8	1911.8	1911.8	1911.8	1911.8
10	1887.6	1887.6	1887.6	1887.6	1887.6	1887.6	1887.6	1887.6	1887.6
15	1848.0	1848.0	1848.0	1848.0	1848.0	1848.0	1848.0	1848.0	1848.0
20	1790.8	1790.8	1788.6	1790.8	1788.6	1788.6	1788.6	1788.6	1788.6
25	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0
30	1630.2	1628.0	1628.0	1628.0	1628.0	1628.0	1628.0	1625.8	1625.8
35	1529.0	1529.0	1526.8	1526.8	1526.8	1526.8	1524.6	1524.6	1524.6
40	1416.8	1414.6	1414.6	1414.6	1414.6	1412.4	1412.4	1412.4	1412.4
45	1291.4	1291.4	1291.4	1289.2	1289.2	1289.2	1289.2	1289.2	1289.2
50	1157.2	1157.2	1157.2	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0
55	1016.4	1014.2	1014.2	1014.2	1014.2	1012.0	1012.0	1012.0	1012.0
60	864.6	864.6	864.6	862.4	862.4	862.4	862.4	862.4	862.4

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CANDELA TABULATION - (Cont.)

65	708.4	708.4	708.4	706.2	706.2	706.2	706.2	706.2	706.2
70	547.8	547.8	547.8	545.6	545.6	545.6	545.6	545.6	545.6
75	389.4	387.2	387.2	387.2	385.0	385.0	385.0	385.0	385.0
80	239.8	237.6	237.6	235.4	233.2	233.2	233.2	233.2	233.2
85	110.0	107.8	107.8	105.6	105.6	103.4	103.4	103.4	103.4
90	11.0	13.2	13.2	13.2	11.0	11.0	11.0	11.0	11.0
95	79.2	79.2	81.4	81.4	79.2	79.2	81.4	83.6	83.6
100	187.0	189.2	191.4	193.6	195.8	200.2	204.6	204.6	204.6
105	323.4	330.0	336.6	343.2	352.0	356.4	358.6	358.6	358.6
110	492.8	503.8	514.8	528.0	536.8	539.0	541.2	541.2	543.4
115	697.4	715.0	730.4	741.4	748.0	752.4	754.6	756.8	756.8
120	939.4	952.6	965.8	976.8	983.4	990.0	994.4	996.6	996.6
125	1192.4	1207.8	1218.8	1229.8	1238.6	1247.4	1251.8	1256.2	1258.4
130	1454.2	1467.4	1480.6	1493.8	1502.6	1511.4	1518.0	1522.4	1522.4
135	1713.8	1724.8	1738.0	1751.2	1760.0	1768.8	1775.4	1779.8	1782.0
140	1955.8	1966.8	1980.0	1988.8	1999.8	2006.4	2013.0	2017.4	2017.4
145	2175.8	2184.6	2195.6	2204.4	2211.0	2217.6	2222.0	2226.4	2226.4
150	2365.0	2371.6	2378.2	2384.8	2391.4	2395.8	2400.2	2402.4	2402.4
155	2523.4	2527.8	2532.2	2536.6	2541.0	2543.2	2547.6	2547.6	2549.8
160	2648.8	2651.0	2655.4	2657.6	2659.8	2662.0	2664.2	2664.2	2664.2
165	2743.4	2745.6	2747.8	2750.0	2750.0	2750.0	2752.2	2752.2	2752.2
170	2809.4	2809.4	2809.4	2811.6	2811.6	2811.6	2811.6	2811.6	2813.8
175	2844.6	2844.6	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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	703.13	N.A.	5.60
0-30	1494.68	N.A.	11.80
0-40	2451.4	N.A.	19.40
0-60	4356.47	N.A.	34.50
0-80	5472.19	N.A.	43.30
0-90	5599.74	N.A.	44.30
10-90	5418.06	N.A.	42.90
20-40	1748.27	N.A.	13.80
20-50	2745.33	N.A.	21.70
40-70	2606.81	N.A.	20.60
60-80	1115.72	N.A.	8.80
70-80	413.98	N.A.	3.30
80-90	127.55	N.A.	1.00
90-110	440.96	N.A.	3.50
90-120	1126.04	N.A.	8.90
90-130	2174.05	N.A.	17.20
90-150	4837.17	N.A.	38.30
90-180	7039.27	N.A.	55.70
110-180	6598.31	N.A.	52.20
0-180	12639.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	181.68
10-20	521.45
20-30	791.55
30-40	956.71
40-50	997.06
50-60	908.01
60-70	701.74
70-80	413.98
80-90	127.55
90-100	95.47
100-110	345.49
110-120	685.08
120-130	1048.01
130-140	1309.85
140-150	1353.27
150-160	1158.51
160-170	773.21
170-180	270.38

IES INDOOR REPORT

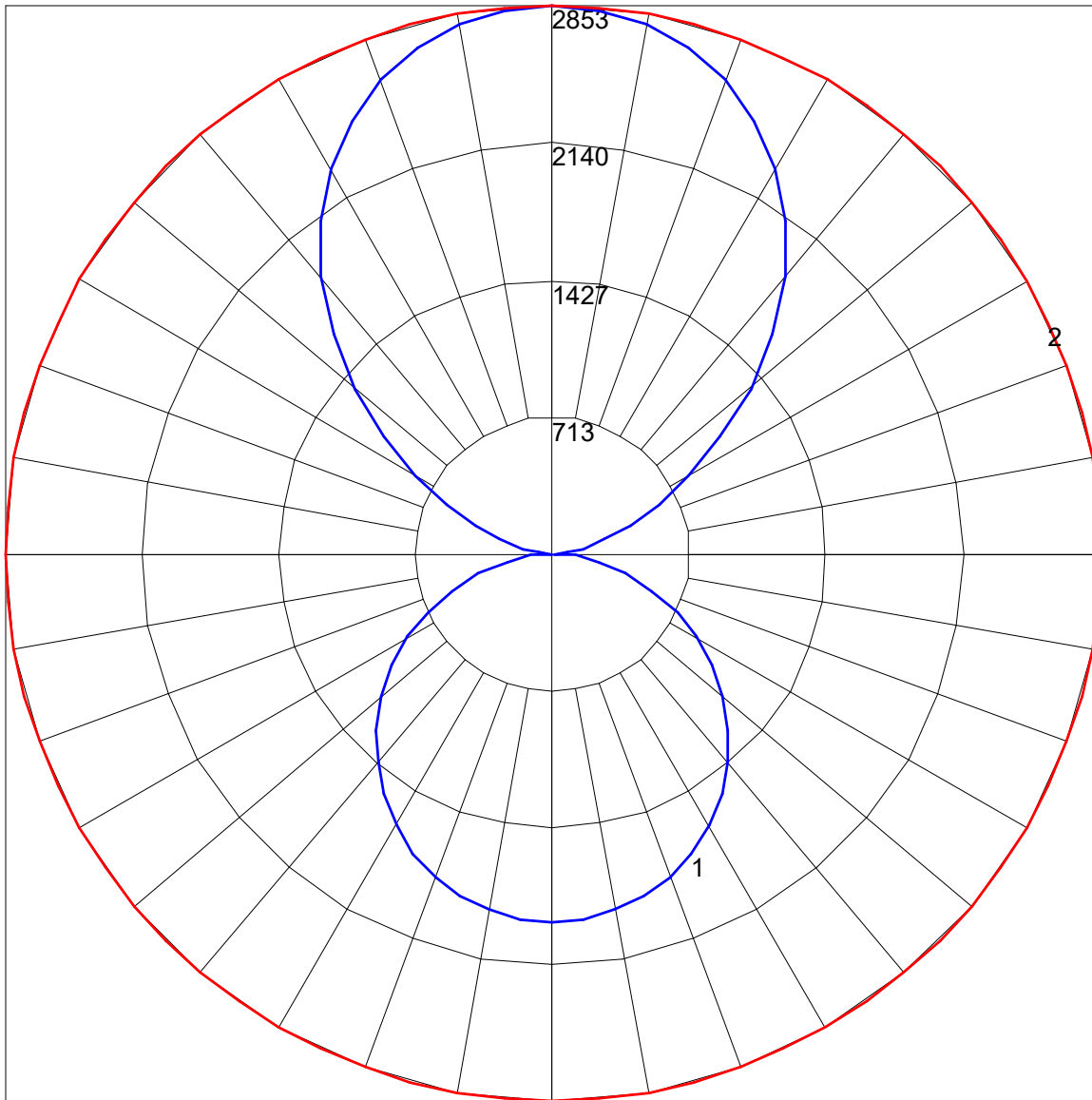
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	96	92	88	84	88	84	81	78	70	67	65	57	55	54	45	43	42	37
2	87	80	74	69	80	73	68	64	61	57	54	50	47	44	39	37	35	31
3	80	70	63	57	73	64	58	53	54	49	45	44	40	37	34	32	30	26
4	73	62	54	48	66	57	50	45	47	42	38	39	35	32	31	28	26	22
5	67	55	47	41	61	51	43	38	42	37	33	35	31	27	27	25	22	19
6	61	49	41	35	56	45	38	33	38	32	28	31	27	24	25	22	19	16
7	57	44	36	31	52	41	34	29	34	29	25	28	24	21	23	20	17	14
8	52	40	32	27	48	37	30	25	31	26	22	26	22	19	21	18	15	13
9	49	37	29	24	45	34	27	23	29	23	20	24	20	17	19	16	14	12
10	46	33	26	21	42	31	25	20	26	21	18	22	18	15	18	15	12	10

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.)