

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-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	117	121	123	123
Total Lumens, 4' rail length (1219mm)	12551	12947	13211	13211
Lumens per foot (305mm)	1809	1866	1904	1904
Lumens per foot UP (305mm)	1329	1371	1399	1399
Lumens per foot DOWN (305mm)	3138	3237	3303	3303
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_U2D2_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010920 (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-BL

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

[MORE] up/soft 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	11389
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
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	14696	15029	16158
55	13654	14087	15599
65	12097	12641	14713
75	9545	10196	12911
85	5080	5682	9803

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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	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1
5	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4
10	1626.4	1626.4	1626.4	1626.4	1626.4	1626.4	1626.4	1626.4	1626.4	1624.5
15	1590.3	1590.3	1590.3	1590.3	1590.3	1590.3	1590.3	1590.3	1590.3	1590.3
20	1542.8	1542.8	1542.8	1542.8	1542.8	1542.8	1540.9	1540.9	1540.9	1540.9
25	1480.1	1480.1	1480.1	1480.1	1480.1	1480.1	1478.2	1478.2	1478.2	1478.2
30	1406.0	1406.0	1406.0	1404.1	1404.1	1404.1	1404.1	1404.1	1402.2	1402.2
35	1318.6	1318.6	1318.6	1318.6	1318.6	1318.6	1316.7	1316.7	1316.7	1314.8
40	1221.7	1221.7	1221.7	1221.7	1221.7	1221.7	1219.8	1219.8	1219.8	1219.8
45	1115.3	1115.3	1115.3	1115.3	1115.3	1113.4	1113.4	1113.4	1113.4	1111.5
50	999.4	999.4	999.4	999.4	999.4	999.4	997.5	997.5	997.5	995.6
55	877.8	877.8	877.8	877.8	877.8	875.9	875.9	875.9	874.0	874.0
60	748.6	748.6	748.6	748.6	746.7	746.7	746.7	746.7	744.8	744.8
65	613.7	613.7	613.7	613.7	613.7	611.8	611.8	611.8	611.8	609.9
70	476.9	476.9	476.9	476.9	475.0	475.0	475.0	475.0	473.1	473.1
75	340.1	340.1	340.1	340.1	340.1	338.2	338.2	338.2	336.3	336.3
80	210.9	210.9	210.9	210.9	210.9	209.0	209.0	209.0	207.1	207.1
85	98.8	98.8	98.8	98.8	96.9	96.9	96.9	96.9	95.0	95.0
90	43.7	43.7	43.7	41.8	39.9	38.0	36.1	34.2	30.4	28.5
95	100.7	100.7	100.7	98.8	98.8	96.9	96.9	95.0	93.1	91.2
100	186.2	186.2	186.2	188.1	188.1	190.0	190.0	191.9	193.8	193.8
105	304.0	304.0	305.9	307.8	309.7	313.5	315.4	319.2	323.0	324.9
110	452.2	452.2	454.1	456.0	459.8	465.5	469.3	475.0	478.8	480.7
115	630.8	630.8	632.7	636.5	640.3	644.1	647.9	649.8	649.8	653.6
120	828.4	828.4	830.3	830.3	832.2	834.1	837.9	847.4	862.6	881.6
125	1039.3	1039.3	1043.1	1046.9	1056.4	1067.8	1083.0	1100.1	1117.2	1134.3
130	1299.6	1301.5	1305.3	1312.9	1322.4	1333.8	1345.2	1358.5	1371.8	1383.2
135	1558.0	1559.9	1561.8	1567.5	1573.2	1580.8	1588.4	1596.0	1603.6	1609.3
140	1782.2	1784.1	1786.0	1787.9	1791.7	1795.5	1799.3	1803.1	1808.8	1812.6
145	1966.5	1968.4	1968.4	1970.3	1972.2	1974.1	1977.9	1979.8	1983.6	1987.4
150	2120.4	2120.4	2120.4	2122.3	2122.3	2124.2	2126.1	2128.0	2129.9	2133.7
155	2243.9	2243.9	2243.9	2245.8	2245.8	2247.7	2247.7	2249.6	2251.5	2251.5
160	2340.8	2340.8	2340.8	2342.7	2342.7	2342.7	2344.6	2344.6	2346.5	2346.5
165	2414.9	2414.9	2414.9	2414.9	2414.9	2416.8	2416.8	2416.8	2416.8	2416.8
170	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2	2466.2
175	2494.7	2494.7	2494.7	2494.7	2494.7	2494.7	2494.7	2494.7	2494.7	2492.8
180	2500.4	2500.4	2500.4	2500.4	2500.4	2500.4	2500.4	2500.4	2500.4	2500.4

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	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1
5	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4	1645.4
10	1626.4	1626.4	1624.5	1624.5	1624.5	1624.5	1624.5	1624.5	1626.4
15	1590.3	1590.3	1590.3	1590.3	1590.3	1590.3	1590.3	1590.3	1590.3
20	1540.9	1540.9	1540.9	1540.9	1539.0	1539.0	1539.0	1539.0	1539.0
25	1478.2	1478.2	1476.3	1476.3	1476.3	1476.3	1476.3	1476.3	1476.3
30	1402.2	1402.2	1400.3	1400.3	1400.3	1400.3	1400.3	1400.3	1400.3
35	1314.8	1314.8	1314.8	1312.9	1312.9	1312.9	1312.9	1312.9	1312.9
40	1217.9	1217.9	1217.9	1216.0	1216.0	1216.0	1216.0	1216.0	1216.0
45	1111.5	1111.5	1109.6	1109.6	1109.6	1109.6	1107.7	1107.7	1107.7
50	995.6	995.6	995.6	993.7	993.7	993.7	993.7	993.7	993.7
55	874.0	874.0	872.1	872.1	872.1	872.1	870.2	870.2	870.2
60	744.8	742.9	742.9	742.9	742.9	741.0	741.0	741.0	741.0

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CANDELA TABULATION - (Cont.)

65	609.9	609.9	609.9	608.0	608.0	608.0	608.0	608.0	608.0
70	473.1	471.2	471.2	471.2	469.3	469.3	469.3	469.3	469.3
75	334.4	334.4	334.4	332.5	332.5	332.5	330.6	330.6	330.6
80	205.2	205.2	203.3	203.3	201.4	201.4	201.4	199.5	199.5
85	93.1	93.1	93.1	91.2	91.2	89.3	89.3	89.3	89.3
90	24.7	20.9	19.0	15.2	11.4	9.5	7.6	5.7	5.7
95	89.3	87.4	85.5	81.7	79.8	77.9	74.1	76.0	76.0
100	193.8	193.8	193.8	191.9	186.2	188.1	191.9	191.9	191.9
105	326.8	328.7	324.9	321.1	332.5	338.2	340.1	340.1	340.1
110	478.8	478.8	490.2	503.5	513.0	516.8	518.7	518.7	518.7
115	665.0	684.0	699.2	712.5	718.2	722.0	723.9	723.9	725.8
120	900.6	917.7	931.0	938.6	944.3	948.1	951.9	953.8	953.8
125	1149.5	1160.9	1170.4	1176.1	1181.8	1185.6	1189.4	1191.3	1191.3
130	1390.8	1398.4	1406.0	1411.7	1417.4	1421.2	1423.1	1425.0	1426.9
135	1616.9	1622.6	1628.3	1634.0	1635.9	1639.7	1643.5	1645.4	1645.4
140	1816.4	1822.1	1825.9	1829.7	1833.5	1835.4	1837.3	1839.2	1839.2
145	1989.3	1993.1	1996.9	1998.8	2000.7	2002.6	2004.5	2004.5	2006.4
150	2135.6	2137.5	2139.4	2141.3	2143.2	2143.2	2145.1	2145.1	2145.1
155	2253.4	2255.3	2255.3	2257.2	2259.1	2259.1	2259.1	2259.1	2261.0
160	2346.5	2348.4	2348.4	2348.4	2350.3	2350.3	2350.3	2350.3	2350.3
165	2418.7	2418.7	2418.7	2418.7	2418.7	2418.7	2418.7	2418.7	2418.7
170	2466.2	2466.2	2466.2	2466.2	2466.2	2468.1	2468.1	2466.2	2466.2
175	2492.8	2494.7	2494.7	2494.7	2494.7	2494.7	2494.7	2494.7	2494.7
180	2500.4	2500.4	2500.4	2500.4	2500.4	2500.4	2500.4	2500.4	2500.4

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_35_U2D2_BL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	605.26	N.A.	5.30
0-30	1286.46	N.A.	11.30
0-40	2109.62	N.A.	18.50
0-60	3748.26	N.A.	32.90
0-80	4708.61	N.A.	41.30
0-90	4823.3	N.A.	42.40
10-90	4666.87	N.A.	41.00
20-40	1504.36	N.A.	13.20
20-50	2361.97	N.A.	20.70
40-70	2242.56	N.A.	19.70
60-80	960.35	N.A.	8.40
70-80	356.43	N.A.	3.10
80-90	114.69	N.A.	1.00
90-110	455.45	N.A.	4.00
90-120	1127.32	N.A.	9.90
90-130	2134.18	N.A.	18.70
90-150	4609.2	N.A.	40.50
90-180	6565.82	N.A.	57.60
110-180	6110.36	N.A.	53.70
0-180	11389.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	156.42
10-20	448.83
20-30	681.20
30-40	823.16
40-50	857.61
50-60	781.03
60-70	603.92
70-80	356.43
80-90	114.69
90-100	107.84
100-110	347.61
110-120	671.87
120-130	1006.85
130-140	1234.61
140-150	1240.41
150-160	1037.18
160-170	682.26
170-180	237.18

IES INDOOR REPORT

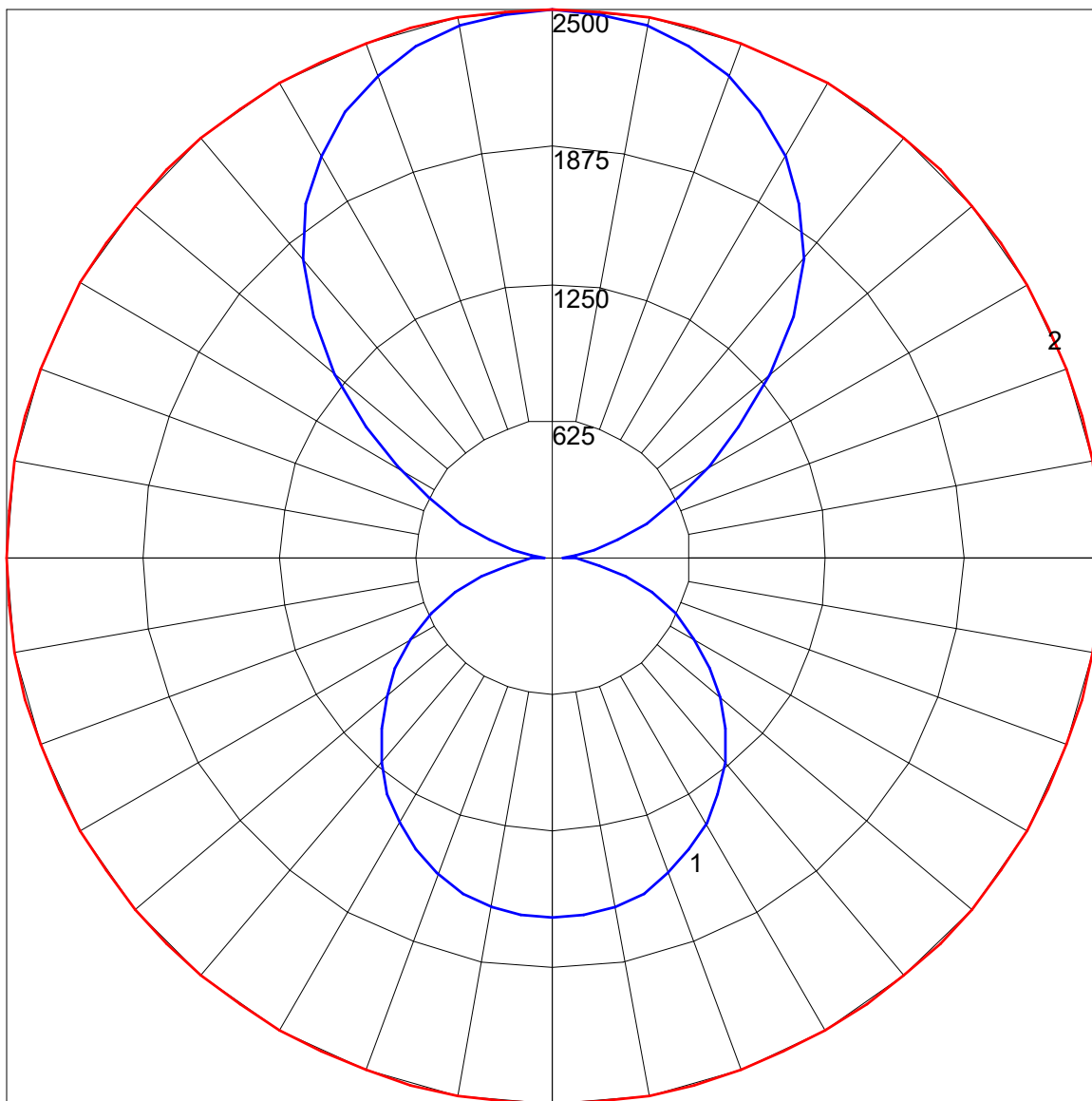
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	96	91	88	84	87	84	80	77	69	67	64	55	54	52	43	42	41	35
2	87	80	73	68	79	73	68	63	60	56	53	48	46	43	38	36	34	29
3	79	70	62	57	72	64	58	52	53	48	44	43	39	36	33	31	29	24
4	72	62	54	48	66	56	50	44	47	42	38	38	34	31	29	27	25	21
5	66	55	47	41	60	50	43	38	42	36	32	34	30	27	26	24	21	18
6	61	49	41	35	55	45	38	33	38	32	28	30	26	23	24	21	19	16
7	56	44	36	31	51	41	34	29	34	28	24	28	24	20	22	19	17	14
8	52	40	32	27	48	37	30	25	31	25	22	25	21	18	20	17	15	12
9	49	36	29	24	44	34	27	22	28	23	19	23	19	16	18	15	13	11
10	45	33	26	21	41	31	24	20	26	21	17	21	17	15	17	14	12	10

POLAR GRAPH



Maximum Candela = 2500.4 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.)