

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric, up | Soft Diffuse, down | 90 CRI | HO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-359-U1D2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	91	94	96	98
Total Lumens, 4' rail length (1219mm)	9713	10020	10224	10429
Lumens per foot (305mm)	2428	2505	2556	2607
Lumens per foot UP (305mm)	5359	5528	5641	5754
Lumens per foot DOWN (305mm)	4354	4491	4583	4675
Input Power (W), 4' rail length (1219mm)	107.2	107.2	107.2	107.2
Watts per foot (305mm)	26.8	26.8	26.8	26.8
CRI*	96	96	96	96

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.

* R9: ~74 @ 3500K



IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707-Z3-CC-HO-359-U1D2-BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L081800703 (SOURCE REPORT FOR REFERENCE)
 [TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
 [ISSUEDATE] 8/15/2018
 [MANUFAC] Vode Lighting
 [LUMCAT] 707-Z3-CC-Z-HO-359-U1D2-BL
 [LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,
 [MORE] symmetric lens 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	10224
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	107.2
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)	0.25 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.02 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14903	15128	15871
55	13939	14205	15209
65	12628	12934	14207
75	10578	10897	12400
85	6490	6948	9536

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CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0	1597.9	1597.9	1597.9	1597.9	1597.9	1597.9	1597.9	1597.9	1597.9	1597.9
5	1590.3	1592.2	1590.3	1592.2	1590.3	1590.3	1592.2	1592.2	1590.3	1590.3
10	1569.4	1569.4	1569.4	1569.4	1569.4	1569.4	1569.4	1569.4	1569.4	1569.4
15	1533.3	1533.3	1533.3	1533.3	1533.3	1533.3	1533.3	1533.3	1533.3	1531.4
20	1483.9	1483.9	1483.9	1483.9	1483.9	1482.0	1482.0	1482.0	1482.0	1482.0
25	1419.3	1419.3	1419.3	1419.3	1419.3	1419.3	1419.3	1419.3	1417.4	1417.4
30	1345.2	1345.2	1345.2	1345.2	1345.2	1343.3	1343.3	1343.3	1341.4	1341.4
35	1259.7	1259.7	1259.7	1259.7	1257.8	1257.8	1257.8	1257.8	1255.9	1255.9
40	1162.8	1162.8	1162.8	1162.8	1162.8	1162.8	1160.9	1160.9	1159.0	1159.0
45	1058.3	1058.3	1058.3	1058.3	1058.3	1056.4	1056.4	1054.5	1054.5	1054.5
50	946.2	946.2	946.2	946.2	946.2	944.3	944.3	944.3	942.4	942.4
55	828.4	828.4	828.4	828.4	828.4	826.5	826.5	824.6	824.6	822.7
60	706.8	706.8	706.8	704.9	704.9	704.9	703.0	703.0	701.1	699.2
65	581.4	581.4	581.4	581.4	579.5	579.5	577.6	577.6	575.7	573.8
70	456.0	456.0	456.0	454.1	454.1	452.2	452.2	450.3	448.4	446.5
75	330.6	330.6	330.6	330.6	328.7	326.8	326.8	324.9	323.0	321.1
80	210.9	210.9	210.9	210.9	209.0	209.0	207.1	205.2	203.3	201.4
85	100.7	100.7	100.7	98.8	98.8	98.8	96.9	96.9	95.0	95.0
90	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
95	47.5	47.5	47.5	47.5	47.5	49.4	49.4	49.4	51.3	51.3
100	123.5	123.5	123.5	125.4	125.4	127.3	129.2	133.0	134.9	136.8
105	220.4	220.4	222.3	224.2	226.1	229.9	233.7	237.5	243.2	248.9
110	343.9	343.9	345.8	349.6	353.4	359.1	364.8	370.5	378.1	385.7
115	495.9	495.9	497.8	501.6	507.3	514.9	522.5	530.1	539.6	549.1
120	672.6	674.5	676.4	682.1	687.8	695.4	704.9	714.4	725.8	737.2
125	875.9	875.9	879.7	883.5	891.1	898.7	910.1	919.6	932.9	946.2
130	1092.5	1094.4	1096.3	1102.0	1109.6	1117.2	1126.7	1138.1	1151.4	1162.8
135	1314.8	1316.7	1318.6	1324.3	1330.0	1337.6	1347.1	1356.6	1366.1	1377.5
140	1529.5	1529.5	1531.4	1535.2	1540.9	1546.6	1552.3	1559.9	1567.5	1575.1
145	1717.6	1717.6	1719.5	1721.4	1725.2	1729.0	1734.7	1738.5	1744.2	1748.0
150	1877.2	1877.2	1877.2	1879.1	1881.0	1882.9	1886.7	1888.6	1892.4	1894.3
155	2002.6	2002.6	2004.5	2004.5	2006.4	2008.3	2008.3	2010.2	2012.1	2014.0
160	2103.3	2103.3	2103.3	2103.3	2105.2	2105.2	2107.1	2107.1	2109.0	2110.9
165	2179.3	2179.3	2179.3	2179.3	2179.3	2181.2	2181.2	2183.1	2185.0	2185.0
170	2234.4	2234.4	2236.3	2236.3	2236.3	2236.3	2236.3	2238.2	2238.2	2240.1
175	2270.5	2270.5	2270.5	2270.5	2270.5	2270.5	2270.5	2270.5	2272.4	2272.4
180	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9

Vert. Angles **Horizontal Angles**

	50	55	60	65	70	75	80	85	90
0	1597.9	1597.9	1597.9	1597.9	1597.9	1597.9	1597.9	1597.9	1597.9
5	1590.3	1590.3	1590.3	1590.3	1592.2	1590.3	1590.3	1590.3	1590.3
10	1569.4	1569.4	1569.4	1569.4	1569.4	1569.4	1569.4	1569.4	1569.4
15	1531.4	1531.4	1531.4	1531.4	1531.4	1531.4	1531.4	1531.4	1531.4
20	1482.0	1482.0	1480.1	1480.1	1480.1	1480.1	1480.1	1480.1	1480.1
25	1417.4	1417.4	1415.5	1415.5	1415.5	1415.5	1415.5	1415.5	1415.5
30	1341.4	1339.5	1339.5	1339.5	1339.5	1339.5	1337.6	1337.6	1337.6
35	1254.0	1254.0	1254.0	1252.1	1252.1	1252.1	1252.1	1252.1	1252.1
40	1159.0	1157.1	1157.1	1155.2	1155.2	1155.2	1155.2	1155.2	1153.3
45	1052.6	1052.6	1050.7	1050.7	1048.8	1048.8	1048.8	1048.8	1048.8
50	940.5	940.5	938.6	938.6	936.7	936.7	936.7	936.7	936.7
55	822.7	820.8	820.8	818.9	818.9	817.0	817.0	817.0	817.0
60	699.2	697.3	695.4	695.4	693.5	693.5	693.5	693.5	691.6

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CANDELA TABULATION - (Cont.)

65	571.9	570.0	570.0	568.1	566.2	566.2	564.3	564.3	564.3
70	444.6	442.7	440.8	438.9	437.0	435.1	435.1	433.2	433.2
75	319.2	317.3	315.4	311.6	309.7	307.8	305.9	305.9	304.0
80	199.5	197.6	195.7	191.9	190.0	188.1	186.2	184.3	184.3
85	93.1	91.2	89.3	87.4	85.5	83.6	83.6	81.7	81.7
90	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
95	53.2	53.2	53.2	55.1	55.1	55.1	55.1	55.1	55.1
100	140.6	142.5	146.3	148.2	150.1	150.1	152.0	152.0	152.0
105	252.7	258.4	264.1	267.9	271.7	273.6	275.5	275.5	275.5
110	393.3	400.9	408.5	414.2	419.9	423.7	425.6	427.5	427.5
115	560.5	570.0	577.6	587.1	592.8	596.6	600.4	602.3	602.3
120	748.6	760.0	771.4	779.0	786.6	792.3	796.1	798.0	799.9
125	957.6	969.0	980.4	989.9	995.6	1001.3	1007.0	1010.8	1010.8
130	1174.2	1185.6	1195.1	1202.7	1210.3	1216.0	1219.8	1223.6	1225.5
135	1387.0	1394.6	1402.2	1409.8	1415.5	1421.2	1425.0	1428.8	1430.7
140	1582.7	1588.4	1594.1	1599.8	1603.6	1609.3	1613.1	1616.9	1618.8
145	1751.8	1757.5	1761.3	1765.1	1768.9	1774.6	1778.4	1780.3	1782.2
150	1898.1	1900.0	1903.8	1907.6	1911.4	1915.2	1917.1	1920.9	1920.9
155	2015.9	2019.7	2021.6	2025.4	2027.3	2031.1	2033.0	2034.9	2034.9
160	2112.8	2114.7	2116.6	2118.5	2120.4	2124.2	2126.1	2126.1	2128.0
165	2186.9	2188.8	2190.7	2190.7	2192.6	2194.5	2196.4	2196.4	2196.4
170	2240.1	2242.0	2242.0	2243.9	2243.9	2243.9	2245.8	2245.8	2245.8
175	2272.4	2272.4	2272.4	2272.4	2272.4	2272.4	2274.3	2274.3	2274.3
180	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9	2281.9

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	583.57	N.A.	5.70
0-30	1236.82	N.A.	12.10
0-40	2022.12	N.A.	19.80
0-60	3570.62	N.A.	34.90
0-80	4477.21	N.A.	43.80
0-90	4583.13	N.A.	44.80
10-90	4431.96	N.A.	43.30
20-40	1438.55	N.A.	14.10
20-50	2251.39	N.A.	22.00
40-70	2116.05	N.A.	20.70
60-80	906.59	N.A.	8.90
70-80	339.05	N.A.	3.30
80-90	105.92	N.A.	1.00
90-110	335.79	N.A.	3.30
90-120	885.57	N.A.	8.70
90-130	1731.69	N.A.	16.90
90-150	3880.31	N.A.	38.00
90-180	5641.32	N.A.	55.20
110-180	5305.53	N.A.	51.90
0-180	10224.45	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

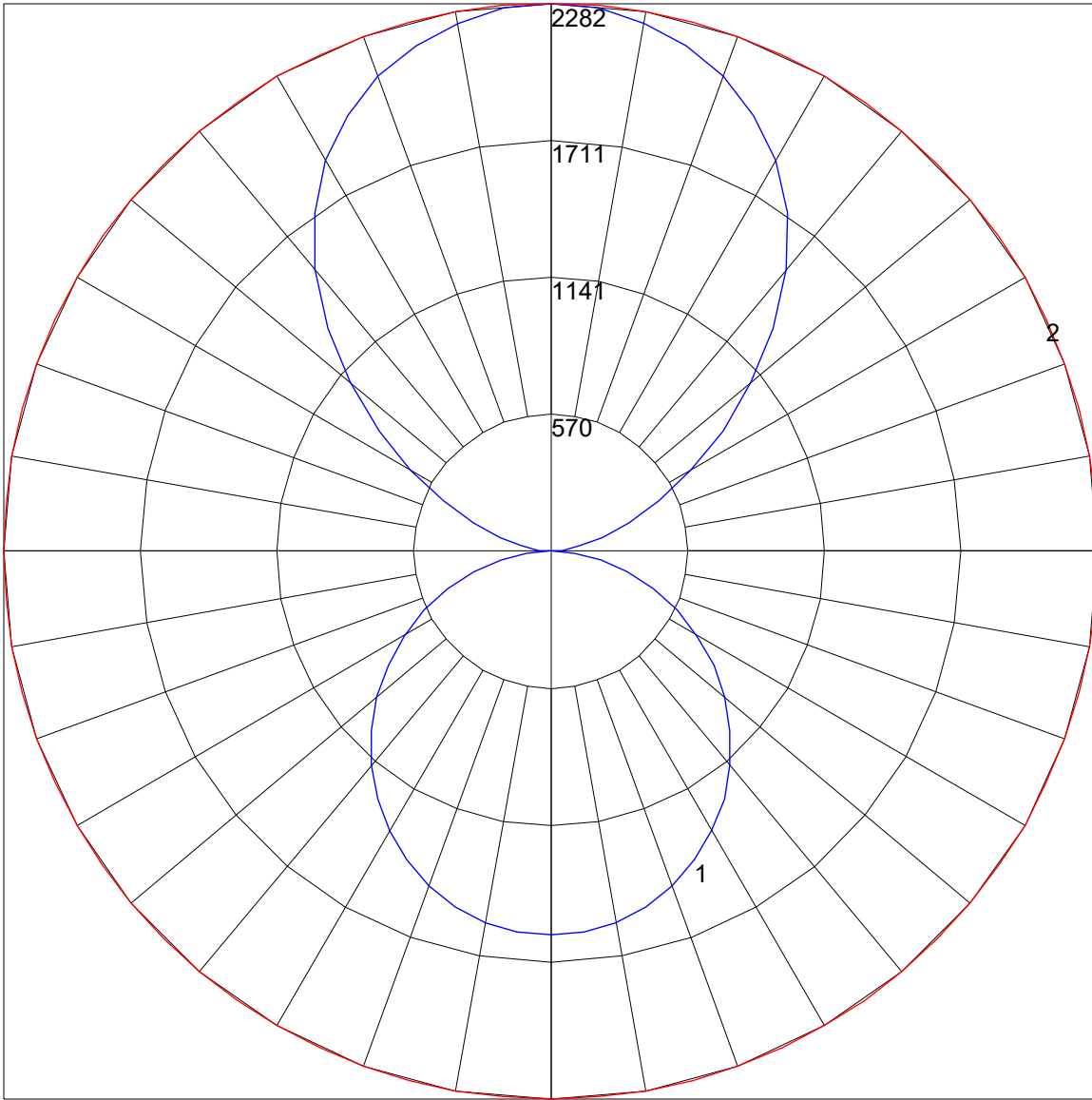
Zone	Lumens
0-10	151.17
10-20	432.39
20-30	653.25
30-40	785.30
40-50	812.83
50-60	735.67
60-70	567.55
70-80	339.05
80-90	105.92
90-100	66.56
100-110	269.23
110-120	549.78
120-130	846.12
130-140	1057.8
140-150	1090.82
150-160	928.26
160-170	616.90
170-180	215.84

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	45
1	96	92	88	84	88	84	81	78	70	68	66	57	55	54	45	44	43	37
2	88	80	74	69	80	74	68	64	61	57	54	50	47	45	39	37	36	31
3	80	70	63	57	73	65	58	53	54	49	45	44	40	38	35	32	30	26
4	73	62	54	48	66	57	50	45	48	42	38	39	35	32	31	28	26	22
5	67	55	47	41	61	51	44	38	43	37	33	35	31	28	28	25	22	19
6	61	49	41	35	56	46	38	33	38	33	29	31	27	24	25	22	20	17
7	57	44	36	31	52	41	34	29	35	29	25	29	24	21	23	20	17	15
8	53	40	33	27	48	37	30	26	31	26	22	26	22	19	21	18	16	13
9	49	37	29	24	45	34	27	23	29	23	20	24	20	17	19	16	14	12
10	46	34	26	22	42	31	25	20	27	21	18	22	18	15	18	15	13	11

POLAR GRAPH



Maximum Candela = 2281.9 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)