

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	97	100	102	103
Total Lumens, 4' rail length (1219mm)	10370	10697	10916	11025
Lumens per foot (305mm)	2592	2674	2729	2756
Lumens per foot UP (305mm)	1444	1489	1520	1535
Lumens per foot DOWN (305mm)	1149	1185	1209	1221
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	94	94	94	94

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_359_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-359-U1D2-BL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 90 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	10916
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
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	14746	15106	16241
55	13713	14148	15667
65	12135	12720	14759
75	9599	10196	12985
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	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9
5	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1
10	1630.2	1630.2	1630.2	1630.2	1630.2	1630.2	1630.2	1630.2	1630.2	1630.2
15	1596.0	1596.0	1596.0	1596.0	1596.0	1596.0	1596.0	1596.0	1596.0	1596.0
20	1548.5	1546.6	1548.5	1548.5	1546.6	1546.6	1546.6	1546.6	1546.6	1546.6
25	1485.8	1485.8	1485.8	1485.8	1483.9	1483.9	1483.9	1483.9	1483.9	1483.9
30	1409.8	1409.8	1409.8	1409.8	1409.8	1409.8	1409.8	1407.9	1407.9	1407.9
35	1324.3	1324.3	1324.3	1322.4	1322.4	1322.4	1322.4	1322.4	1320.5	1320.5
40	1227.4	1227.4	1227.4	1227.4	1227.4	1225.5	1225.5	1225.5	1223.6	1223.6
45	1119.1	1119.1	1119.1	1119.1	1119.1	1119.1	1119.1	1117.2	1117.2	1117.2
50	1005.1	1005.1	1005.1	1003.2	1003.2	1003.2	1003.2	1001.3	1001.3	1001.3
55	881.6	881.6	881.6	881.6	879.7	879.7	879.7	879.7	877.8	877.8
60	750.5	750.5	750.5	750.5	750.5	750.5	748.6	748.6	748.6	748.6
65	615.6	615.6	615.6	615.6	615.6	615.6	613.7	613.7	613.7	613.7
70	478.8	478.8	478.8	476.9	476.9	476.9	476.9	475.0	475.0	475.0
75	342.0	342.0	342.0	340.1	340.1	340.1	340.1	338.2	338.2	336.3
80	210.9	210.9	210.9	210.9	210.9	210.9	209.0	209.0	209.0	207.1
85	98.8	98.8	98.8	98.8	98.8	96.9	96.9	96.9	95.0	95.0
90	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
95	64.6	64.6	64.6	64.6	66.5	66.5	66.5	68.4	68.4	68.4
100	140.6	140.6	140.6	142.5	144.4	146.3	150.1	153.9	155.8	159.6
105	245.1	245.1	247.0	248.9	252.7	256.5	260.3	266.0	269.8	273.6
110	372.4	372.4	376.2	378.1	381.9	387.6	393.3	399.0	406.6	416.1
115	524.4	524.4	528.2	532.0	537.7	547.2	556.7	566.2	577.6	589.0
120	710.6	712.5	716.3	722.0	727.7	737.2	748.6	760.0	775.2	794.2
125	923.4	923.4	927.2	934.8	944.3	955.7	969.0	986.1	1001.3	1016.5
130	1160.9	1162.8	1166.6	1174.2	1183.7	1195.1	1206.5	1219.8	1231.2	1244.5
135	1402.2	1404.1	1407.9	1411.7	1419.3	1426.9	1436.4	1445.9	1457.3	1468.7
140	1626.4	1626.4	1628.3	1632.1	1637.8	1645.4	1653.0	1660.6	1670.1	1679.6
145	1825.9	1827.8	1829.7	1831.6	1837.3	1841.1	1848.7	1854.4	1862.0	1869.6
150	2000.7	2002.6	2002.6	2004.5	2008.3	2012.1	2017.8	2023.5	2029.2	2034.9
155	2148.9	2148.9	2150.8	2150.8	2154.6	2156.5	2160.3	2164.1	2169.8	2173.6
160	2268.6	2268.6	2268.6	2270.5	2272.4	2274.3	2276.2	2278.1	2280.0	2283.8
165	2359.8	2357.9	2359.8	2359.8	2361.7	2361.7	2363.6	2363.6	2367.4	2367.4
170	2422.5	2422.5	2422.5	2422.5	2422.5	2422.5	2424.4	2424.4	2424.4	2426.3
175	2456.7	2456.7	2456.7	2456.7	2456.7	2456.7	2456.7	2456.7	2456.7	2456.7
180	2464.3	2464.3	2464.3	2464.3	2464.3	2464.3	2464.3	2464.3	2464.3	2464.3

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	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9
5	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1	1651.1
10	1630.2	1630.2	1630.2	1630.2	1630.2	1630.2	1630.2	1630.2	1630.2
15	1596.0	1596.0	1596.0	1596.0	1596.0	1596.0	1596.0	1596.0	1596.0
20	1546.6	1546.6	1544.7	1546.6	1544.7	1544.7	1544.7	1544.7	1544.7
25	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0
30	1407.9	1406.0	1406.0	1406.0	1406.0	1406.0	1406.0	1404.1	1404.1
35	1320.5	1320.5	1318.6	1318.6	1318.6	1318.6	1316.7	1316.7	1316.7
40	1223.6	1221.7	1221.7	1221.7	1221.7	1219.8	1219.8	1219.8	1219.8
45	1115.3	1115.3	1115.3	1113.4	1113.4	1113.4	1113.4	1113.4	1113.4
50	999.4	999.4	999.4	997.5	997.5	997.5	997.5	997.5	997.5
55	877.8	875.9	875.9	875.9	875.9	874.0	874.0	874.0	874.0
60	746.7	746.7	746.7	744.8	744.8	744.8	744.8	744.8	744.8

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CANDELA TABULATION - (Cont.)

65	611.8	611.8	611.8	609.9	609.9	609.9	609.9	609.9	609.9
70	473.1	473.1	473.1	471.2	471.2	471.2	471.2	471.2	471.2
75	336.3	334.4	334.4	334.4	332.5	332.5	332.5	332.5	332.5
80	207.1	205.2	205.2	203.3	201.4	201.4	201.4	201.4	201.4
85	95.0	93.1	93.1	91.2	91.2	89.3	89.3	89.3	89.3
90	9.5	11.4	11.4	11.4	9.5	9.5	9.5	9.5	9.5
95	68.4	68.4	70.3	70.3	68.4	68.4	70.3	72.2	72.2
100	161.5	163.4	165.3	167.2	169.1	172.9	176.7	176.7	176.7
105	279.3	285.0	290.7	296.4	304.0	307.8	309.7	309.7	309.7
110	425.6	435.1	444.6	456.0	463.6	465.5	467.4	467.4	469.3
115	602.3	617.5	630.8	640.3	646.0	649.8	651.7	653.6	653.6
120	811.3	822.7	834.1	843.6	849.3	855.0	858.8	860.7	860.7
125	1029.8	1043.1	1052.6	1062.1	1069.7	1077.3	1081.1	1084.9	1086.8
130	1255.9	1267.3	1278.7	1290.1	1297.7	1305.3	1311.0	1314.8	1314.8
135	1480.1	1489.6	1501.0	1512.4	1520.0	1527.6	1533.3	1537.1	1539.0
140	1689.1	1698.6	1710.0	1717.6	1727.1	1732.8	1738.5	1742.3	1742.3
145	1879.1	1886.7	1896.2	1903.8	1909.5	1915.2	1919.0	1922.8	1922.8
150	2042.5	2048.2	2053.9	2059.6	2065.3	2069.1	2072.9	2074.8	2074.8
155	2179.3	2183.1	2186.9	2190.7	2194.5	2196.4	2200.2	2200.2	2202.1
160	2287.6	2289.5	2293.3	2295.2	2297.1	2299.0	2300.9	2300.9	2300.9
165	2369.3	2371.2	2373.1	2375.0	2375.0	2375.0	2376.9	2376.9	2376.9
170	2426.3	2426.3	2426.3	2428.2	2428.2	2428.2	2428.2	2428.2	2430.1
175	2456.7	2456.7	2458.6	2458.6	2458.6	2458.6	2458.6	2458.6	2458.6
180	2464.3	2464.3	2464.3	2464.3	2464.3	2464.3	2464.3	2464.3	2464.3

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U1D2_BL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	607.25	N.A.	5.60
0-30	1290.86	N.A.	11.80
0-40	2117.12	N.A.	19.40
0-60	3762.41	N.A.	34.50
0-80	4725.98	N.A.	43.30
0-90	4836.14	N.A.	44.30
10-90	4679.23	N.A.	42.90
20-40	1509.87	N.A.	13.80
20-50	2370.96	N.A.	21.70
40-70	2251.34	N.A.	20.60
60-80	963.58	N.A.	8.80
70-80	357.53	N.A.	3.30
80-90	110.15	N.A.	1.00
90-110	380.83	N.A.	3.50
90-120	972.49	N.A.	8.90
90-130	1877.59	N.A.	17.20
90-150	4177.56	N.A.	38.30
90-180	6079.37	N.A.	55.70
110-180	5698.54	N.A.	52.20
0-180	10915.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	156.90
10-20	450.34
20-30	683.61
30-40	826.25
40-50	861.10
50-60	784.19
60-70	606.05
70-80	357.53
80-90	110.15
90-100	82.45
100-110	298.38
110-120	591.66
120-130	905.10
130-140	1131.23
140-150	1168.74
150-160	1000.53
160-170	667.77
170-180	233.51

IES INDOOR REPORT

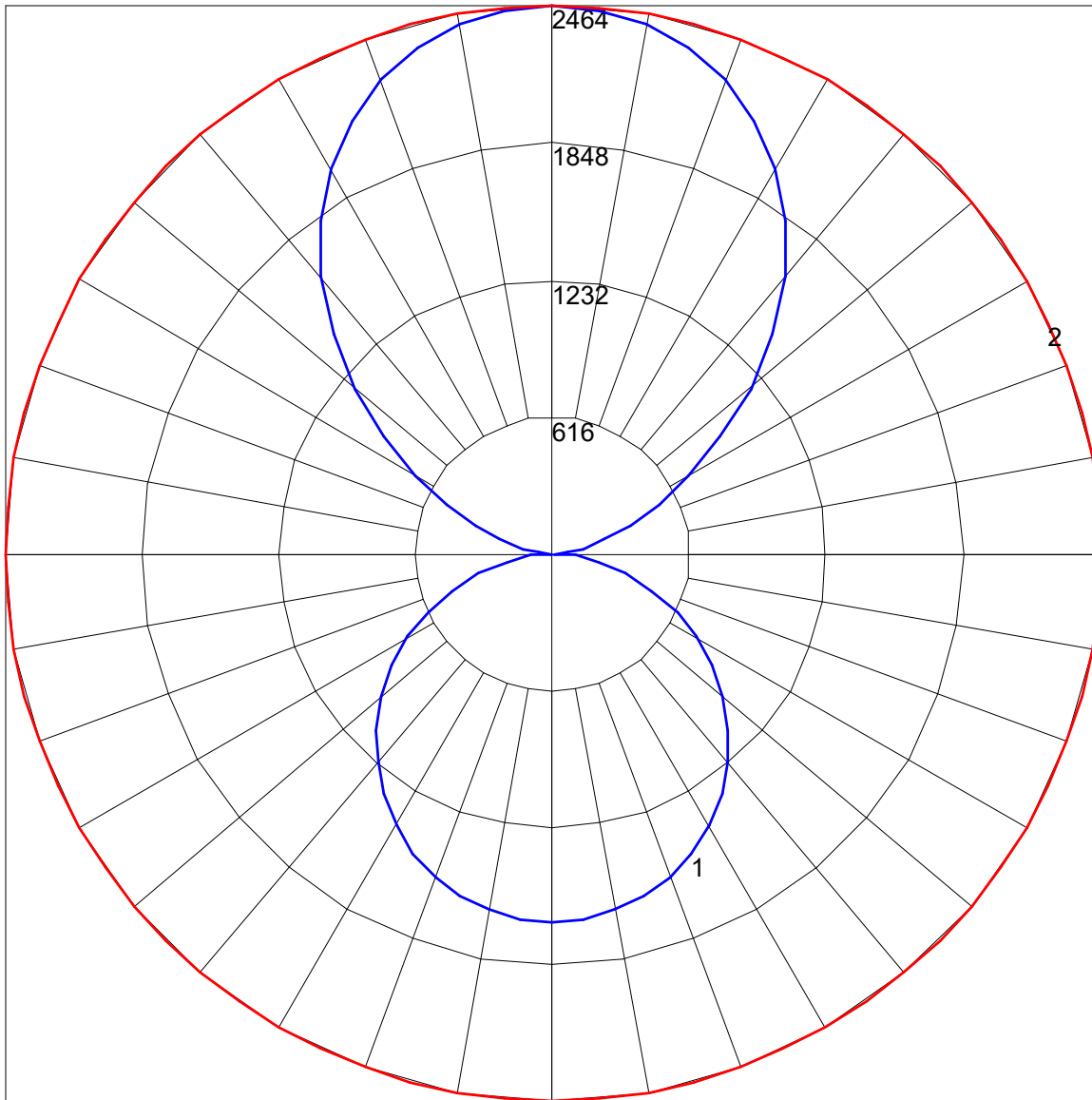
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2464.3 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.)