

## IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	122	126	128	128
Total Lumens, 4' rail length (1219mm)	6331	6531	6664	6664
Lumens per foot (305mm)	1583	1633	1666	1666
Lumens per foot UP (305mm)	882	909	928	928
Lumens per foot DOWN (305mm)	701	723	738	738
Input Power (W), 4' rail length (1219mm)	52.2	52.2	52.2	52.2
Watts per foot (305mm)	13.1	13.1	13.1	13.1
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](http://vode.com).



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_SO\_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-SO-35-U1D2-BL

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

[MORE] up/soft diffuse lens down, standard 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	6664
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	52.24
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	9003	9223	9916
55	8372	8638	9565
65	7409	7766	9011
75	5860	6225	7928
85	3102	3469	5985

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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>
<b>0</b>	1010.36	1010.36	1010.36	1010.36	1010.36	1010.36	1010.36	1010.36	1010.36	1010.36
<b>5</b>	1008.04	1008.04	1008.04	1008.04	1008.04	1008.04	1008.04	1008.04	1008.04	1008.04
<b>10</b>	995.28	995.28	995.28	995.28	995.28	995.28	995.28	995.28	995.28	995.28
<b>15</b>	974.40	974.40	974.40	974.40	974.40	974.40	974.40	974.40	974.40	974.40
<b>20</b>	945.40	944.24	945.40	945.40	944.24	944.24	944.24	944.24	944.24	944.24
<b>25</b>	907.12	907.12	907.12	907.12	905.96	905.96	905.96	905.96	905.96	905.96
<b>30</b>	860.72	860.72	860.72	860.72	860.72	860.72	860.72	859.56	859.56	859.56
<b>35</b>	808.52	808.52	808.52	807.36	807.36	807.36	807.36	807.36	806.20	806.20
<b>40</b>	749.36	749.36	749.36	749.36	749.36	748.20	748.20	748.20	747.04	747.04
<b>45</b>	683.24	683.24	683.24	683.24	683.24	683.24	683.24	682.08	682.08	682.08
<b>50</b>	613.64	613.64	613.64	612.48	612.48	612.48	612.48	611.32	611.32	611.32
<b>55</b>	538.24	538.24	538.24	538.24	537.08	537.08	537.08	537.08	535.92	535.92
<b>60</b>	458.20	458.20	458.20	458.20	458.20	458.20	457.04	457.04	457.04	457.04
<b>65</b>	375.84	375.84	375.84	375.84	375.84	375.84	374.68	374.68	374.68	374.68
<b>70</b>	292.32	292.32	292.32	291.16	291.16	291.16	291.16	290.00	290.00	290.00
<b>75</b>	208.80	208.80	208.80	207.64	207.64	207.64	207.64	206.48	206.48	205.32
<b>80</b>	128.76	128.76	128.76	128.76	128.76	128.76	127.60	127.60	127.60	126.44
<b>85</b>	60.32	60.32	60.32	60.32	60.32	59.16	59.16	59.16	58.00	58.00
<b>90</b>	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64
<b>95</b>	39.44	39.44	39.44	39.44	40.60	40.60	40.60	41.76	41.76	41.76
<b>100</b>	85.84	85.84	85.84	87.00	88.16	89.32	91.64	93.96	95.12	97.44
<b>105</b>	149.64	149.64	150.80	151.96	154.28	156.60	158.92	162.40	164.72	167.04
<b>110</b>	227.36	227.36	229.68	230.84	233.16	236.64	240.12	243.60	248.24	254.04
<b>115</b>	320.16	320.16	322.48	324.80	328.28	334.08	339.88	345.68	352.64	359.60
<b>120</b>	433.84	435.00	437.32	440.80	444.28	450.08	457.04	464.00	473.28	484.88
<b>125</b>	563.76	563.76	566.08	570.72	576.52	583.48	591.60	602.04	611.32	620.60
<b>130</b>	708.76	709.92	712.24	716.88	722.68	729.64	736.60	744.72	751.68	759.80
<b>135</b>	856.08	857.24	859.56	861.88	866.52	871.16	876.96	882.76	889.72	896.68
<b>140</b>	992.96	992.96	994.12	996.44	999.92	1004.56	1009.20	1013.84	1019.64	1025.44
<b>145</b>	1114.76	1115.92	1117.08	1118.24	1121.72	1124.04	1128.68	1132.16	1136.80	1141.44
<b>150</b>	1221.48	1222.64	1222.64	1223.80	1226.12	1228.44	1231.92	1235.40	1238.88	1242.36
<b>155</b>	1311.96	1311.96	1313.12	1313.12	1315.44	1316.60	1318.92	1321.24	1324.72	1327.04
<b>160</b>	1385.04	1385.04	1385.04	1386.20	1387.36	1388.52	1389.68	1390.84	1392.00	1394.32
<b>165</b>	1440.72	1439.56	1440.72	1440.72	1441.88	1441.88	1443.04	1443.04	1445.36	1445.36
<b>170</b>	1479.00	1479.00	1479.00	1479.00	1479.00	1479.00	1480.16	1480.16	1480.16	1481.32
<b>175</b>	1499.88	1499.88	1499.88	1499.88	1499.88	1499.88	1499.88	1499.88	1499.88	1499.88
<b>180</b>	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52

**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>
<b>0</b>	1010.36	1010.36	1010.36	1010.36	1010.36	1010.36	1010.36	1010.36	1010.36
<b>5</b>	1008.04	1008.04	1008.04	1008.04	1008.04	1008.04	1008.04	1008.04	1008.04
<b>10</b>	995.28	995.28	995.28	995.28	995.28	995.28	995.28	995.28	995.28
<b>15</b>	974.40	974.40	974.40	974.40	974.40	974.40	974.40	974.40	974.40
<b>20</b>	944.24	944.24	943.08	944.24	943.08	943.08	943.08	943.08	943.08
<b>25</b>	904.80	904.80	904.80	904.80	904.80	904.80	904.80	904.80	904.80
<b>30</b>	859.56	858.40	858.40	858.40	858.40	858.40	858.40	857.24	857.24
<b>35</b>	806.20	806.20	805.04	805.04	805.04	805.04	803.88	803.88	803.88
<b>40</b>	747.04	745.88	745.88	745.88	745.88	744.72	744.72	744.72	744.72
<b>45</b>	680.92	680.92	680.92	679.76	679.76	679.76	679.76	679.76	679.76
<b>50</b>	610.16	610.16	610.16	609.00	609.00	609.00	609.00	609.00	609.00
<b>55</b>	535.92	534.76	534.76	534.76	534.76	533.60	533.60	533.60	533.60
<b>60</b>	455.88	455.88	455.88	454.72	454.72	454.72	454.72	454.72	454.72

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**CANDELA TABULATION - (Cont.)**

<b>65</b>	373.52	373.52	373.52	372.36	372.36	372.36	372.36	372.36	372.36
<b>70</b>	288.84	288.84	288.84	287.68	287.68	287.68	287.68	287.68	287.68
<b>75</b>	205.32	204.16	204.16	204.16	203.00	203.00	203.00	203.00	203.00
<b>80</b>	126.44	125.28	125.28	124.12	122.96	122.96	122.96	122.96	122.96
<b>85</b>	58.00	56.84	56.84	55.68	55.68	54.52	54.52	54.52	54.52
<b>90</b>	5.80	6.96	6.96	6.96	5.80	5.80	5.80	5.80	5.80
<b>95</b>	41.76	41.76	42.92	42.92	41.76	41.76	42.92	44.08	44.08
<b>100</b>	98.60	99.76	100.92	102.08	103.24	105.56	107.88	107.88	107.88
<b>105</b>	170.52	174.00	177.48	180.96	185.60	187.92	189.08	189.08	189.08
<b>110</b>	259.84	265.64	271.44	278.40	283.04	284.20	285.36	285.36	286.52
<b>115</b>	367.72	377.00	385.12	390.92	394.40	396.72	397.88	399.04	399.04
<b>120</b>	495.32	502.28	509.24	515.04	518.52	522.00	524.32	525.48	525.48
<b>125</b>	628.72	636.84	642.64	648.44	653.08	657.72	660.04	662.36	663.52
<b>130</b>	766.76	773.72	780.68	787.64	792.28	796.92	800.40	802.72	802.72
<b>135</b>	903.64	909.44	916.40	923.36	928.00	932.64	936.12	938.44	939.60
<b>140</b>	1031.24	1037.04	1044.00	1048.64	1054.44	1057.92	1061.40	1063.72	1063.72
<b>145</b>	1147.24	1151.88	1157.68	1162.32	1165.80	1169.28	1171.60	1173.92	1173.92
<b>150</b>	1247.00	1250.48	1253.96	1257.44	1260.92	1263.24	1265.56	1266.72	1266.72
<b>155</b>	1330.52	1332.84	1335.16	1337.48	1339.80	1340.96	1343.28	1343.28	1344.44
<b>160</b>	1396.64	1397.80	1400.12	1401.28	1402.44	1403.60	1404.76	1404.76	1404.76
<b>165</b>	1446.52	1447.68	1448.84	1450.00	1450.00	1450.00	1451.16	1451.16	1451.16
<b>170</b>	1481.32	1481.32	1481.32	1482.48	1482.48	1482.48	1482.48	1482.48	1483.64
<b>175</b>	1499.88	1499.88	1501.04	1501.04	1501.04	1501.04	1501.04	1501.04	1501.04
<b>180</b>	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	370.74	N.A.	5.60
0-30	788.11	N.A.	11.80
0-40	1292.55	N.A.	19.40
0-60	2297.05	N.A.	34.50
0-80	2885.34	N.A.	43.30
0-90	2952.59	N.A.	44.30
10-90	2856.79	N.A.	42.90
20-40	921.81	N.A.	13.80
20-50	1447.54	N.A.	21.70
40-70	1374.5	N.A.	20.60
60-80	588.29	N.A.	8.80
70-80	218.28	N.A.	3.30
80-90	67.25	N.A.	1.00
90-110	232.50	N.A.	3.50
90-120	593.73	N.A.	8.90
90-130	1146.32	N.A.	17.20
90-150	2550.51	N.A.	38.30
90-180	3711.62	N.A.	55.70
110-180	3479.11	N.A.	52.20
0-180	6664.2	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	95.79
10-20	274.95
20-30	417.36
30-40	504.45
40-50	525.72
50-60	478.77
60-70	370.01
70-80	218.28
80-90	67.25
90-100	50.34
100-110	182.17
110-120	361.23
120-130	552.59
130-140	690.65
140-150	713.54
150-160	610.85
160-170	407.69
170-180	142.57

# IES INDOOR REPORT

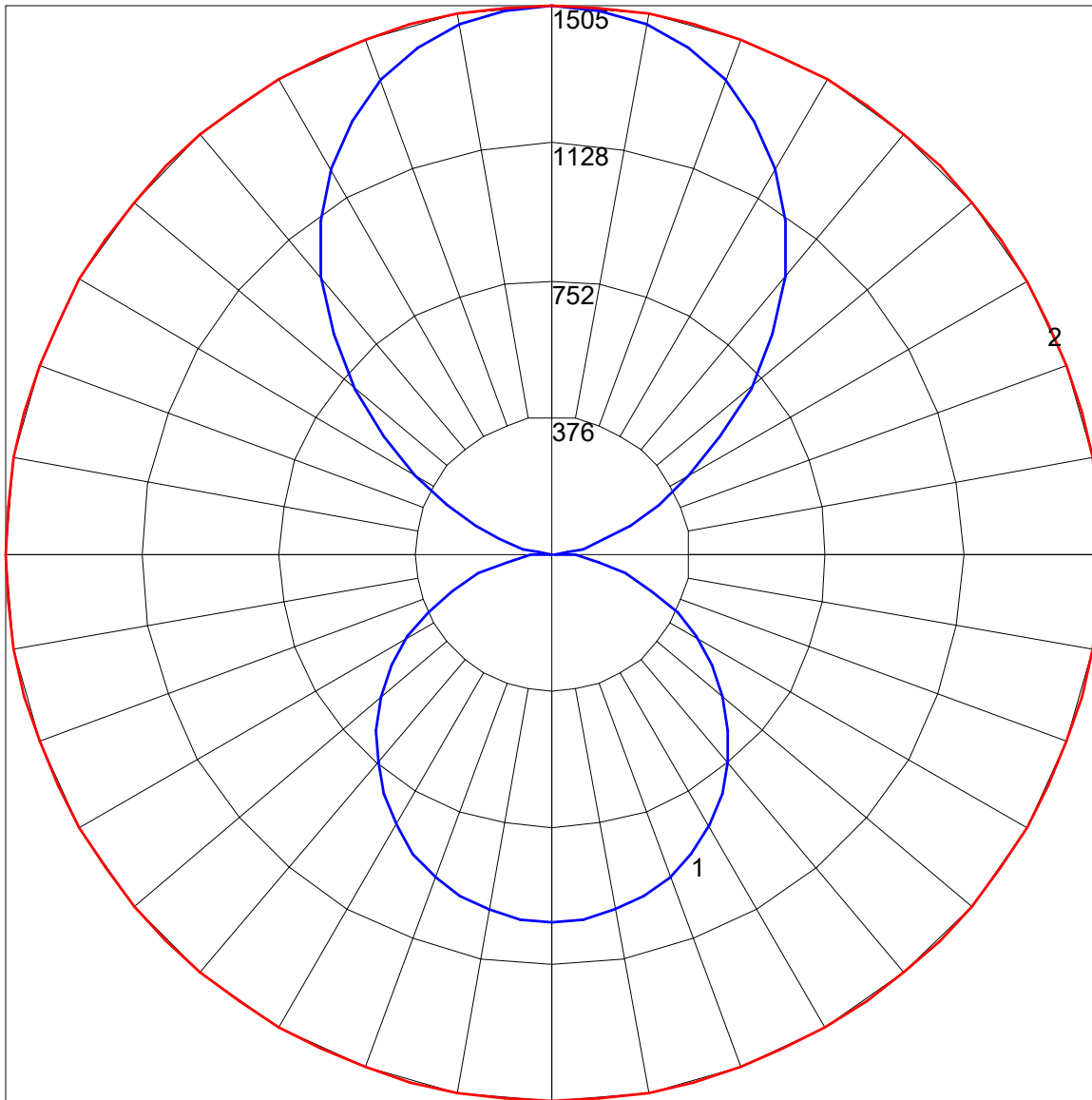
PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_SO\_35\_U1D2\_BL.IES

## 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 = 1504.52 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.)