

## IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric, up | 40° Symmetric, down | 80 CRI | LO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U1S1-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	78	80	82	82
Total Lumens, 4' rail length (1219mm)	2295	2368	2416	2416
Lumens per foot (305mm)	574	592	604	604
Lumens per foot UP (305mm)	438	452	461	461
Lumens per foot DOWN (305mm)	136	140	143	143
Input Power (W), 4' rail length (1219mm)	29.8	29.8	29.8	29.8
Watts per foot (305mm)	7.5	7.5	7.5	7.5
CRI	82	82	82	82

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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\_LO\_35\_U1S1\_BL.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911548 (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-LO-35-U1S1-BL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 CRI, zipper board, symmetric lens up/40° symmetric lens down,

[MORE] low 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	2416
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	29.78
Ballast Factor	1.00
CIE Type	Semi-Indirect
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	0.02 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	534	1100	2188
55	246	505	1023
65	135	254	508
75	72	153	297
85	37	42	196

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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>0.0</b>	553.32	553.32	553.32	553.32	553.32	553.32	553.32	553.32	553.32	553.32
<b>1.0</b>	553.32	553.32	553.32	553.32	553.32	553.32	553.32	553.32	553.32	553.32
<b>3.0</b>	549.84	549.84	549.84	549.84	549.84	550.42	550.42	550.42	551.00	551.00
<b>5.0</b>	540.56	540.56	541.14	541.14	541.72	542.30	542.88	544.04	544.62	545.78
<b>7.0</b>	524.90	525.48	525.48	526.64	527.80	528.96	530.12	532.44	534.18	535.92
<b>9.0</b>	505.18	505.18	505.76	507.50	509.24	511.56	513.88	516.78	520.26	523.16
<b>11.0</b>	480.82	480.82	481.98	484.30	486.62	490.10	494.16	498.22	502.86	507.50
<b>13.0</b>	451.24	451.82	453.56	456.46	459.94	464.58	469.80	475.60	481.98	488.36
<b>15.0</b>	419.34	419.92	422.24	425.14	430.36	436.16	442.54	450.08	458.20	466.90
<b>17.0</b>	384.54	385.12	388.02	392.08	397.30	404.84	412.38	422.24	432.10	442.54
<b>19.5</b>	338.14	339.30	342.20	346.84	353.80	362.50	371.78	383.38	395.56	408.32
<b>22.5</b>	282.46	283.62	287.10	292.32	300.44	309.72	321.32	334.66	349.16	364.24
<b>25.5</b>	229.10	230.26	233.74	239.54	247.66	258.10	270.86	285.36	301.02	317.84
<b>29.0</b>	173.42	174.58	178.06	183.86	191.98	201.84	214.60	229.10	245.34	263.32
<b>33.0</b>	121.80	122.38	125.86	130.50	137.46	146.74	158.34	171.68	187.34	204.74
<b>37.5</b>	79.46	80.04	82.36	85.84	91.64	98.60	107.88	118.90	132.24	146.74
<b>42.5</b>	48.72	49.30	50.46	53.36	56.84	62.06	68.44	76.56	86.42	96.86
<b>47.5</b>	29.58	30.16	31.32	32.48	35.38	38.86	42.92	48.14	53.94	61.48
<b>55.0</b>	15.08	15.08	15.66	16.24	17.40	19.14	21.46	23.78	26.68	30.16
<b>65.0</b>	6.38	6.38	6.38	6.96	7.54	8.12	8.70	9.86	10.44	11.60
<b>75.0</b>	2.32	2.32	2.32	2.90	2.90	2.90	3.48	3.48	4.06	4.64
<b>85.0</b>	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
<b>90.0</b>	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
<b>95.0</b>	17.40	17.40	17.40	17.40	17.98	17.98	17.98	18.56	18.56	18.56
<b>100.0</b>	39.44	39.44	39.44	40.02	40.60	41.18	42.34	43.50	44.66	45.82
<b>105.0</b>	70.76	70.76	71.34	72.50	73.66	74.82	76.56	78.30	80.04	81.20
<b>110.0</b>	111.36	111.94	112.52	113.10	114.84	116.58	118.32	120.06	121.80	123.54
<b>115.0</b>	158.92	159.50	160.08	160.66	162.40	164.14	165.88	168.20	171.68	176.32
<b>120.0</b>	212.86	212.86	214.02	215.76	218.08	221.56	225.04	230.26	236.06	241.28
<b>125.0</b>	281.30	281.30	283.04	285.36	288.26	292.32	296.38	300.44	305.08	309.14
<b>130.0</b>	356.12	356.12	357.28	359.60	361.34	364.82	367.72	371.20	374.68	378.74
<b>135.0</b>	427.46	427.46	428.62	429.78	432.10	434.42	437.32	440.22	443.70	447.18
<b>140.0</b>	494.16	494.74	495.32	496.48	498.22	500.54	502.86	505.76	508.66	511.56
<b>145.0</b>	555.06	555.64	556.22	556.80	558.54	560.28	562.02	564.34	567.24	569.56
<b>150.0</b>	608.42	608.42	609.00	609.58	610.74	612.48	613.64	615.38	617.70	619.44
<b>155.0</b>	653.08	653.08	653.66	654.24	654.82	655.98	657.14	658.30	660.04	661.78
<b>160.0</b>	689.62	689.62	689.62	690.20	690.78	691.36	691.94	693.10	693.68	694.84
<b>165.0</b>	716.88	716.88	716.88	717.46	717.46	717.46	718.04	718.62	719.20	719.20
<b>170.0</b>	735.44	735.44	735.44	735.44	735.44	735.44	736.02	736.02	736.02	736.60
<b>175.0</b>	745.88	745.88	745.30	745.88	745.88	745.88	745.88	745.88	745.88	745.88
<b>180.0</b>	748.20	748.20	748.20	748.20	748.20	748.20	748.20	748.20	748.20	748.20

**Vert. Horizontal Angles**  
**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>0.0</b>	553.32	553.32	553.32	553.32	553.32	553.32	553.32	553.32	553.32
<b>1.0</b>	553.32	553.32	553.32	553.32	553.32	553.32	553.32	553.32	553.32
<b>3.0</b>	551.58	551.58	552.16	552.16	552.16	552.74	552.74	552.74	552.74
<b>5.0</b>	546.36	547.52	548.10	548.68	549.26	549.84	550.42	550.42	550.42
<b>7.0</b>	537.66	539.40	541.14	542.88	544.04	545.20	545.78	546.36	546.94
<b>9.0</b>	526.64	529.54	532.44	534.76	537.66	539.40	540.56	541.14	541.72
<b>11.0</b>	512.14	516.78	521.42	525.48	528.38	531.28	533.60	534.76	535.34
<b>13.0</b>	494.74	501.12	507.50	512.72	517.94	521.42	524.32	526.06	526.64
<b>15.0</b>	475.02	483.72	491.26	498.80	504.60	509.82	513.88	515.62	516.78

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**CANDELA TABULATION - (Cont.)**

<b>17.0</b>	452.98	463.42	473.28	481.98	489.52	495.90	500.54	503.44	504.60
<b>19.5</b>	421.66	434.42	446.02	457.62	467.48	475.02	481.40	484.88	486.04
<b>22.5</b>	379.90	395.56	410.06	424.56	436.16	446.02	453.56	458.20	459.36
<b>25.5</b>	335.82	353.22	370.62	386.86	400.20	412.38	420.50	425.72	427.46
<b>29.0</b>	282.46	302.18	320.74	338.72	353.80	366.56	376.42	382.22	383.96
<b>33.0</b>	223.30	242.44	262.16	279.56	295.22	308.56	318.42	324.22	326.54
<b>37.5</b>	162.98	180.38	197.20	213.44	227.94	239.54	248.82	254.04	255.78
<b>42.5</b>	109.62	122.38	135.14	147.90	158.92	168.78	175.16	179.22	180.96
<b>47.5</b>	69.60	78.30	87.00	95.70	103.24	109.62	114.26	117.16	118.32
<b>55.0</b>	34.22	38.28	42.34	45.82	49.30	52.78	55.10	56.26	56.84
<b>65.0</b>	13.34	14.50	15.66	16.82	18.56	19.14	20.30	20.88	20.88
<b>75.0</b>	4.64	5.22	5.80	6.38	6.38	6.96	7.54	7.54	7.54
<b>85.0</b>	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.74	1.74
<b>90.0</b>	0.58	0.58	0.58	1.16	1.16	1.16	1.16	1.16	1.16
<b>95.0</b>	19.14	19.14	19.14	19.72	19.72	19.72	19.72	20.30	20.30
<b>100.0</b>	46.98	48.14	48.72	48.72	48.72	50.46	51.04	51.04	51.04
<b>105.0</b>	82.94	83.52	84.10	87.00	89.32	90.48	91.06	91.06	91.06
<b>110.0</b>	125.28	128.76	132.82	136.30	138.04	139.20	139.78	139.78	139.78
<b>115.0</b>	181.54	186.18	189.66	192.56	194.30	195.46	196.62	197.20	197.20
<b>120.0</b>	245.34	249.40	252.88	255.20	257.52	259.26	261.00	261.58	261.58
<b>125.0</b>	313.20	316.68	320.16	323.64	326.54	328.86	330.60	331.18	331.76
<b>130.0</b>	382.22	386.28	390.34	393.82	396.72	399.04	401.36	401.94	402.52
<b>135.0</b>	450.66	454.72	458.20	462.26	465.16	467.48	469.22	470.38	470.96
<b>140.0</b>	515.04	518.52	522.00	524.90	527.80	529.54	531.28	532.44	532.44
<b>145.0</b>	572.46	575.36	578.26	580.58	582.90	584.64	585.80	586.38	586.38
<b>150.0</b>	621.76	624.08	625.82	628.14	629.30	630.46	631.04	631.62	631.62
<b>155.0</b>	662.94	664.10	665.84	667.00	667.58	668.16	668.74	669.32	669.32
<b>160.0</b>	695.42	696.58	697.16	697.74	698.32	698.90	698.90	698.90	698.90
<b>165.0</b>	719.78	720.36	720.36	720.94	720.94	721.52	721.52	721.52	721.52
<b>170.0</b>	736.60	736.60	736.60	736.60	737.18	737.18	737.18	737.18	737.18
<b>175.0</b>	745.88	745.88	745.88	745.88	745.88	745.88	745.88	745.88	746.46
<b>180.0</b>	748.20	748.20	748.20	748.20	748.20	748.20	748.20	748.20	748.20

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_LO\_35\_U1S1\_BL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	173.59	N.A.	7.20
0-30	317.90	N.A.	13.20
0-40	425.77	N.A.	17.60
0-60	538.39	N.A.	22.30
0-80	569.07	N.A.	23.60
0-90	572.54	N.A.	23.70
10-90	530.83	N.A.	22.00
20-40	252.18	N.A.	10.40
20-50	332.41	N.A.	13.80
40-70	134.35	N.A.	5.60
60-80	30.68	N.A.	1.30
70-80	8.95	N.A.	0.40
80-90	3.47	N.A.	0.10
90-110	110.56	N.A.	4.60
90-120	288.57	N.A.	11.90
90-130	564.16	N.A.	23.40
90-150	1265.25	N.A.	52.40
90-180	1843.34	N.A.	76.30
110-180	1732.78	N.A.	71.70
0-180	2415.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	41.71
10-20	131.89
20-30	144.30
30-40	107.87
40-50	80.23
50-60	32.39
60-70	21.72
70-80	8.95
80-90	3.47
90-100	22.75
100-110	87.81
110-120	178.01
120-130	275.59
130-140	345.09
140-150	356.00
150-160	304.35
160-170	202.86
170-180	70.88

# IES INDOOR REPORT

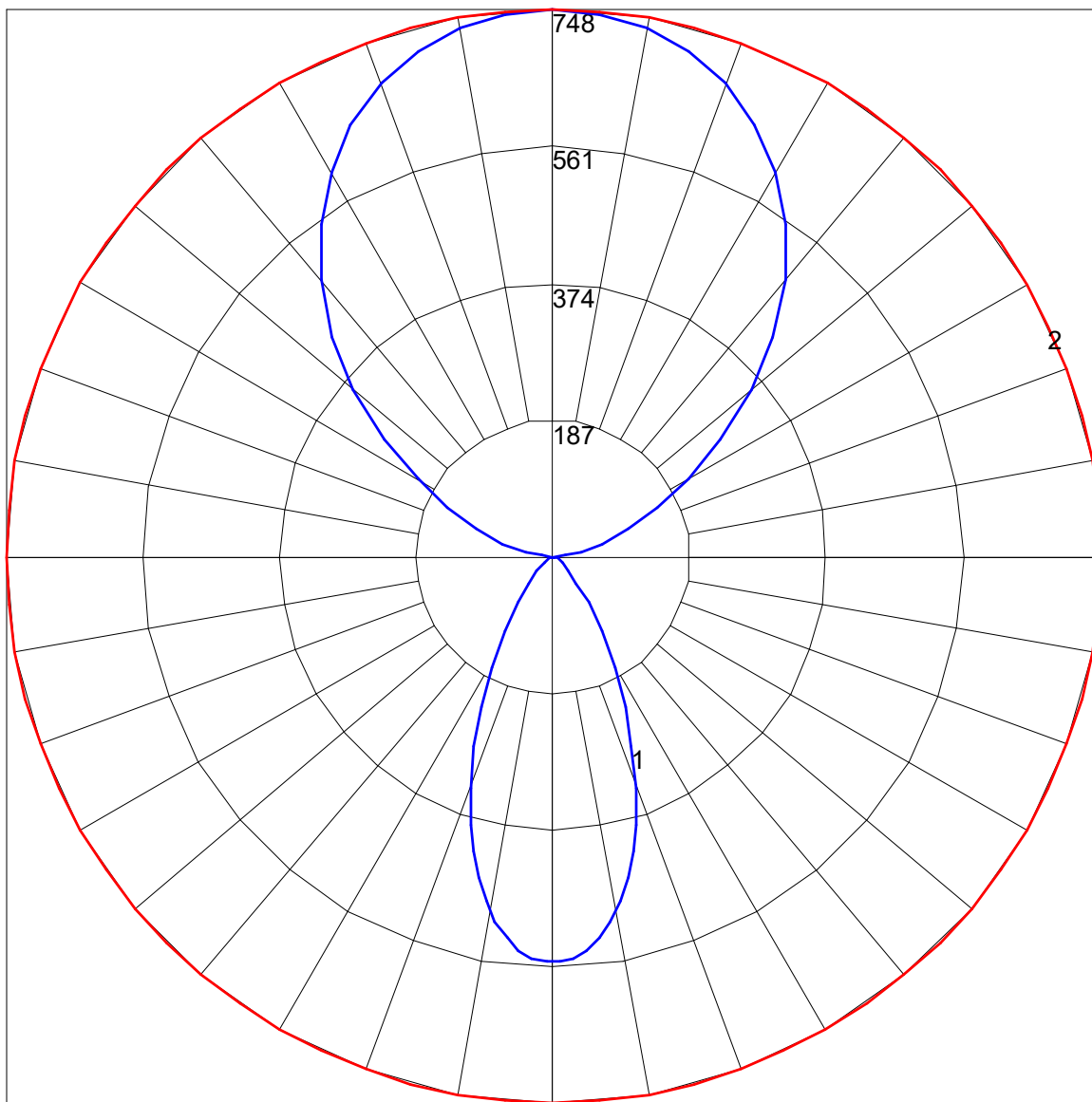
PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_LO\_35\_U1S1\_BL.IES

## 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	101	101	101	101	90	90	90	90	69	69	69	50	50	50	32	32	32	24
1	93	89	85	82	82	79	76	74	61	59	58	45	44	43	29	29	28	21
2	85	78	73	68	76	70	66	62	55	52	49	40	38	37	27	26	25	19
3	78	70	63	58	69	62	57	53	49	45	42	36	34	32	25	23	22	17
4	72	62	55	50	64	56	50	45	44	40	37	33	30	28	23	21	20	16
5	66	56	49	43	59	50	44	40	40	36	32	30	27	25	21	19	18	15
6	61	50	43	38	55	45	39	35	36	32	29	27	25	23	19	18	17	13
7	57	46	38	33	51	41	35	31	33	29	25	25	22	20	18	16	15	12
8	53	42	35	30	47	38	32	27	30	26	23	23	20	18	17	15	14	11
9	49	38	31	27	44	35	29	25	28	24	21	22	19	17	16	14	13	11
10	46	35	28	24	41	32	26	22	26	22	19	20	17	15	15	13	12	10

POLAR GRAPH



Maximum Candela = 748.2 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.)