

**IES Report**

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | Soft Diffuse, down | 80 CRI | LO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U2D2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	98	102	104	106
Total Lumens, 4' rail length (1219mm)	3019	3114	3178	3241
Lumens per foot (305mm)	755	779	794	810
Lumens per foot UP (305mm)	1703	1756	1792	1828
Lumens per foot DOWN (305mm)	1316	1358	1386	1413
Input Power (W), 4' rail length (1219mm)	30.8	30.8	30.8	30.8
Watts per foot (305mm)	7.8	7.8	7.8	7.8
CRI	85	85	85	85

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-LO-35-U2D2-BL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L081800704 (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-LO-35-U2D2-BL  
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,  
[MORE] symmetric lens with edgeglow up/soft diffuse lens down, 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	3178
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	30.82
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	4500	4568	4792
55	4206	4296	4600
65	3817	3909	4293
75	3192	3307	3762
85	1944	2079	2911

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>	483.14	483.14	483.14	483.14	483.14	483.14	483.14	483.14	483.14	483.14
<b>5</b>	481.40	480.82	481.40	480.82	481.40	481.40	481.40	480.82	481.40	480.82
<b>10</b>	474.44	474.44	474.44	474.44	474.44	474.44	474.44	474.44	474.44	474.44
<b>15</b>	463.42	463.42	463.42	463.42	463.42	463.42	463.42	463.42	463.42	463.42
<b>20</b>	448.34	448.34	448.34	448.34	448.34	448.34	448.34	448.34	447.76	447.76
<b>25</b>	429.20	429.20	429.20	429.20	429.20	429.20	429.20	428.62	428.62	428.62
<b>30</b>	406.58	406.58	406.58	406.58	406.00	406.00	406.00	406.00	405.42	405.42
<b>35</b>	380.48	380.48	380.48	380.48	380.48	379.90	379.90	379.90	379.32	379.32
<b>40</b>	351.48	351.48	351.48	351.48	350.90	350.90	350.90	350.32	350.32	350.32
<b>45</b>	319.58	319.58	319.58	319.58	319.58	319.00	319.00	319.00	318.42	318.42
<b>50</b>	285.94	285.94	285.94	285.94	285.36	285.36	285.36	284.78	284.78	284.20
<b>55</b>	249.98	250.56	249.98	249.98	249.98	249.98	249.40	249.40	248.82	248.82
<b>60</b>	213.44	213.44	212.86	212.86	212.86	212.86	212.28	211.70	211.70	211.12
<b>65</b>	175.74	175.74	175.16	175.16	175.16	174.58	174.58	174.00	174.00	173.42
<b>70</b>	137.46	137.46	137.46	136.88	136.88	136.88	136.30	135.72	135.14	135.14
<b>75</b>	99.76	99.76	99.76	99.76	99.18	99.18	98.60	98.02	98.02	97.44
<b>80</b>	63.80	63.80	63.80	63.22	63.22	63.22	62.64	62.06	61.48	60.90
<b>85</b>	30.16	30.16	30.16	30.16	30.16	29.58	29.58	29.58	29.00	28.42
<b>90</b>	7.54	6.96	6.96	6.96	6.38	6.38	5.80	5.22	4.64	4.06
<b>95</b>	22.62	22.62	22.62	22.62	22.04	22.04	21.46	21.46	20.88	20.30
<b>100</b>	46.40	46.40	46.40	46.40	46.40	46.98	46.98	46.98	47.56	47.56
<b>105</b>	76.56	77.14	77.14	77.72	78.30	78.88	79.46	80.62	81.78	82.36
<b>110</b>	116.00	116.00	116.58	117.16	118.32	119.48	121.22	122.96	124.70	126.44
<b>115</b>	164.14	164.72	165.30	166.46	167.62	169.36	171.68	174.00	176.32	179.22
<b>120</b>	221.56	221.56	222.72	223.88	225.62	227.94	230.26	233.16	236.64	239.54
<b>125</b>	286.52	286.52	287.68	289.42	291.16	293.48	296.38	299.28	302.76	306.24
<b>130</b>	356.12	356.12	357.28	358.44	360.76	363.08	365.98	368.88	371.78	374.68
<b>135</b>	425.72	425.72	426.88	428.04	429.78	431.52	433.84	436.16	438.48	440.80
<b>140</b>	490.10	490.68	491.26	491.84	493.00	494.16	495.32	496.48	498.22	499.38
<b>145</b>	544.62	545.20	545.20	545.78	546.36	546.94	547.52	548.10	548.68	549.26
<b>150</b>	589.28	589.28	589.28	589.86	589.86	589.86	590.44	590.44	591.02	591.60
<b>155</b>	624.08	624.08	624.08	624.66	624.66	624.66	624.66	625.24	625.82	626.40
<b>160</b>	652.50	652.50	652.50	652.50	652.50	653.08	653.08	653.66	653.66	653.66
<b>165</b>	673.96	674.54	674.54	674.54	674.54	674.54	674.54	674.54	674.54	674.54
<b>170</b>	689.04	689.04	689.04	689.04	689.04	689.04	689.04	689.04	689.04	689.04
<b>175</b>	697.16	697.16	697.16	697.16	697.16	697.16	697.16	697.16	697.16	697.16
<b>180</b>	700.06	700.06	700.06	700.06	700.06	700.06	700.06	700.06	700.06	700.06

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>	483.14	483.14	483.14	483.14	483.14	483.14	483.14	483.14	483.14
<b>5</b>	480.82	480.82	480.82	480.82	480.82	480.82	480.82	480.82	480.82
<b>10</b>	474.44	474.44	474.44	474.44	474.44	474.44	474.44	474.44	473.86
<b>15</b>	463.42	463.42	463.42	463.42	462.84	462.84	462.84	462.84	462.84
<b>20</b>	447.76	447.76	447.76	447.76	447.18	447.18	447.18	447.18	447.18
<b>25</b>	428.62	428.04	428.04	428.04	428.04	428.04	428.04	428.04	427.46
<b>30</b>	405.42	404.84	404.84	404.84	404.84	404.26	404.26	404.26	404.26
<b>35</b>	379.32	378.74	378.74	378.74	378.74	378.16	378.16	378.16	378.16
<b>40</b>	349.74	349.74	349.16	349.16	349.16	348.58	348.58	348.58	348.58
<b>45</b>	317.84	317.84	317.84	317.26	317.26	316.68	316.68	316.68	316.68
<b>50</b>	284.20	283.62	283.62	283.62	283.04	283.04	283.04	283.04	283.04
<b>55</b>	248.24	247.66	247.66	247.66	247.08	247.08	247.08	247.08	247.08
<b>60</b>	211.12	210.54	209.96	209.96	209.96	209.38	209.38	209.38	209.38

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**CANDELA TABULATION - (Cont.)**

<b>65</b>	172.84	172.26	171.68	171.68	171.10	171.10	170.52	170.52	170.52
<b>70</b>	134.56	133.98	133.40	132.82	132.24	131.66	131.08	131.08	131.08
<b>75</b>	96.86	95.70	95.12	94.54	93.96	93.38	92.80	92.22	92.22
<b>80</b>	60.32	59.74	59.16	58.58	57.42	56.84	56.26	55.68	55.68
<b>85</b>	28.42	27.84	27.26	26.68	26.10	25.52	25.52	24.94	24.94
<b>90</b>	3.48	2.90	2.32	2.32	1.74	1.16	1.16	0.58	0.58
<b>95</b>	20.30	19.72	19.14	19.14	18.56	17.98	17.98	17.40	17.40
<b>100</b>	47.56	48.14	48.14	48.14	48.14	48.14	48.14	47.56	47.56
<b>105</b>	83.52	84.68	85.84	86.42	87.00	87.00	87.00	87.00	87.00
<b>110</b>	128.18	129.92	131.66	133.40	133.98	134.56	135.14	135.14	135.14
<b>115</b>	181.54	183.86	186.18	188.50	189.66	190.82	191.40	191.40	191.40
<b>120</b>	243.02	245.92	248.24	250.56	252.30	253.46	254.04	254.62	254.62
<b>125</b>	309.72	312.62	314.94	317.26	319.00	320.16	320.74	321.32	321.90
<b>130</b>	377.58	379.90	382.22	383.96	385.70	386.86	387.44	388.02	388.02
<b>135</b>	442.54	444.28	445.44	447.18	448.34	448.92	449.50	450.08	450.66
<b>140</b>	500.54	501.12	502.28	503.44	504.60	505.18	505.76	505.76	506.34
<b>145</b>	550.42	551.00	552.16	552.74	553.32	553.90	553.90	554.48	554.48
<b>150</b>	592.18	592.76	593.34	593.92	593.92	594.50	594.50	594.50	595.08
<b>155</b>	626.98	626.98	627.56	627.56	627.56	627.56	628.14	628.14	628.14
<b>160</b>	654.24	654.24	654.24	654.24	654.24	654.24	654.82	654.82	654.82
<b>165</b>	674.54	675.12	674.54	675.12	675.12	675.12	675.12	675.12	675.12
<b>170</b>	689.04	689.04	689.04	689.04	689.04	689.04	689.04	689.04	689.04
<b>175</b>	697.16	697.16	697.16	697.16	697.16	697.16	697.16	697.16	697.16
<b>180</b>	700.06	700.06	700.06	700.06	700.06	700.06	700.06	700.06	700.06

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	176.42	N.A.	5.60
0-30	373.88	N.A.	11.80
0-40	611.14	N.A.	19.20
0-60	1078.85	N.A.	33.90
0-80	1352.72	N.A.	42.60
0-90	1385.62	N.A.	43.60
10-90	1339.91	N.A.	42.20
20-40	434.72	N.A.	13.70
20-50	680.24	N.A.	21.40
40-70	639.09	N.A.	20.10
60-80	273.88	N.A.	8.60
70-80	102.50	N.A.	3.20
80-90	32.89	N.A.	1.00
90-110	114.33	N.A.	3.60
90-120	293.03	N.A.	9.20
90-130	566.34	N.A.	17.80
90-150	1247.22	N.A.	39.20
90-180	1792.26	N.A.	56.40
110-180	1677.94	N.A.	52.80
0-180	3177.88	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	45.70
10-20	130.71
20-30	197.46
30-40	237.26
40-50	245.51
50-60	222.20
60-70	171.38
70-80	102.50
80-90	32.89
90-100	25.08
100-110	89.24
110-120	178.70
120-130	273.31
130-140	337.86
140-150	343.02
150-160	288.37
160-170	190.38
170-180	66.29

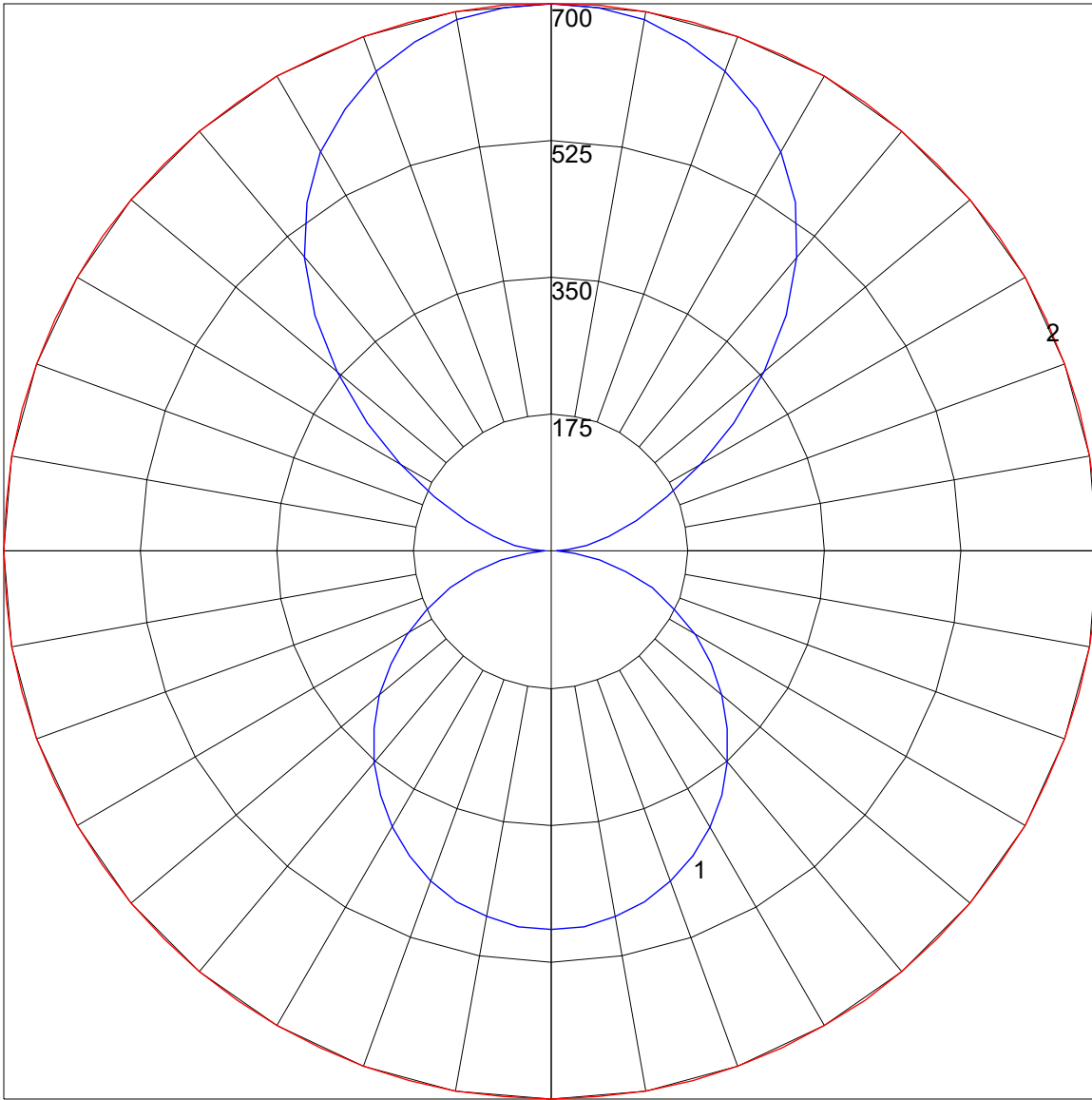
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	64	64	64	50	50	50	44
1	96	92	88	84	88	84	81	78	70	67	65	56	55	53	44	43	42	36
2	87	80	74	68	80	73	68	63	61	57	53	49	46	44	38	37	35	30
3	80	70	63	57	72	64	58	53	53	49	45	43	40	37	34	32	30	25
4	73	62	54	48	66	57	50	44	47	42	38	38	35	32	30	28	25	22
5	67	55	47	41	61	51	43	38	42	37	33	34	30	27	27	24	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	22	19	17	14
8	52	40	32	27	48	37	30	25	31	26	22	26	22	19	21	17	15	13
9	49	37	29	24	45	34	27	23	29	23	20	24	20	17	19	16	14	11
10	46	33	26	22	42	31	25	20	26	21	18	22	18	15	18	15	12	10

POLAR GRAPH



Maximum Candela = 700.06 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.)