

## IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U1D2-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	114	118	120	120
Total Lumens, 4' rail length (1219mm)	3388	3495	3567	3567
Lumens per foot (305mm)	847	874	892	892
Lumens per foot UP (305mm)	478	493	503	503
Lumens per foot DOWN (305mm)	370	381	389	389
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

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\_U1D2.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911551 (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-U1D2-AL

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

[MORE] low output, clear anodized finish

[TEST PROCEDURE] IESNA:LM-79-08

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3567
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	29.78
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	0.02 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4915	4979	5225
55	4621	4707	5039
65	4187	4300	4741
75	3474	3600	4183
85	2061	2205	3205

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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>	534.76	534.76	534.76	534.76	534.76	534.76	534.76	534.76	534.76	534.76
<b>5</b>	533.02	533.02	533.02	533.02	533.02	533.02	533.60	533.02	533.02	533.02
<b>10</b>	526.06	526.64	526.64	526.06	526.06	526.06	526.06	526.06	526.06	526.06
<b>15</b>	515.04	515.04	515.04	515.04	515.04	515.04	515.04	514.46	515.04	515.04
<b>20</b>	498.80	498.80	498.80	498.80	498.80	498.80	498.80	498.22	498.22	498.22
<b>25</b>	478.50	478.50	478.50	478.50	478.50	478.50	477.92	477.92	477.92	477.92
<b>30</b>	454.14	454.14	454.14	454.14	454.14	453.56	453.56	453.56	453.56	452.98
<b>35</b>	425.72	426.30	426.30	425.72	425.72	425.72	425.72	425.72	425.14	425.14
<b>40</b>	394.40	394.40	394.40	394.40	394.40	394.40	393.82	393.82	393.82	393.24
<b>45</b>	360.18	360.18	360.18	359.60	359.60	359.60	359.60	359.02	359.02	358.44
<b>50</b>	322.48	322.48	322.48	322.48	322.48	321.90	321.90	321.32	321.32	321.32
<b>55</b>	283.04	283.04	283.04	283.04	283.04	282.46	282.46	281.88	281.88	281.30
<b>60</b>	241.28	241.28	241.28	241.28	241.28	240.70	240.70	240.70	240.12	240.12
<b>65</b>	198.36	198.36	198.36	198.36	198.36	197.78	197.78	197.20	197.20	196.62
<b>70</b>	154.86	154.86	154.86	154.28	154.28	154.28	153.70	153.70	153.12	153.12
<b>75</b>	111.36	111.36	111.36	110.78	110.78	110.78	110.20	110.20	109.62	109.04
<b>80</b>	69.60	69.60	69.60	69.60	69.02	69.02	68.44	68.44	67.86	67.28
<b>85</b>	32.48	32.48	32.48	32.48	32.48	31.90	31.90	31.90	31.32	30.74
<b>90</b>	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90
<b>95</b>	21.46	21.46	21.46	21.46	22.04	22.04	22.04	22.04	22.04	22.04
<b>100</b>	48.72	49.30	49.30	49.30	49.88	50.46	50.46	51.04	51.62	51.62
<b>105</b>	81.78	81.78	82.36	82.94	83.52	84.10	84.68	85.84	86.42	88.16
<b>110</b>	120.64	121.22	121.80	122.96	124.12	126.44	128.76	131.08	133.40	136.30
<b>115</b>	174.00	174.58	175.16	176.90	178.64	181.54	184.44	188.50	193.72	200.10
<b>120</b>	237.80	237.80	239.54	241.86	245.34	249.40	254.62	260.42	266.22	272.02
<b>125</b>	316.68	317.26	319.00	321.32	324.80	329.44	333.50	338.14	342.20	346.26
<b>130</b>	400.78	400.78	401.94	403.68	406.00	408.90	411.80	414.70	418.18	421.08
<b>135</b>	478.50	479.08	479.66	480.82	482.56	484.30	486.62	488.94	490.68	493.00
<b>140</b>	549.26	549.26	549.84	550.42	551.58	552.74	554.48	556.22	557.96	559.12
<b>145</b>	610.16	610.74	610.74	611.32	611.90	613.06	613.64	614.80	615.96	617.12
<b>150</b>	661.78	661.78	662.36	662.36	662.94	663.52	664.10	664.68	665.26	665.84
<b>155</b>	703.54	703.54	703.54	704.12	704.12	704.70	704.70	705.28	705.28	705.86
<b>160</b>	736.60	736.60	736.60	736.60	736.60	736.60	737.18	737.18	737.18	737.76
<b>165</b>	760.96	760.96	760.96	760.96	760.96	760.96	760.96	760.96	760.96	761.54
<b>170</b>	777.20	777.20	777.20	777.20	777.20	777.20	777.20	777.78	777.78	777.20
<b>175</b>	786.48	786.48	786.48	786.48	786.48	786.48	786.48	786.48	786.48	786.48
<b>180</b>	788.80	788.80	788.80	788.80	788.80	788.80	788.80	788.80	788.80	788.80

**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>	534.76	534.76	534.76	534.76	534.76	534.76	534.76	534.76	534.76
<b>5</b>	533.02	533.02	533.02	533.02	533.02	533.02	533.02	533.02	533.02
<b>10</b>	526.06	526.06	526.06	526.06	526.06	526.06	526.06	526.06	526.06
<b>15</b>	515.04	514.46	514.46	514.46	514.46	513.88	514.46	514.46	514.46
<b>20</b>	498.22	498.22	498.22	498.22	498.22	497.64	497.64	497.64	497.64
<b>25</b>	477.92	477.34	477.34	477.34	477.34	477.34	477.34	477.34	476.76
<b>30</b>	452.98	452.98	452.40	452.40	452.40	452.40	452.40	452.40	452.40
<b>35</b>	424.56	424.56	423.98	423.98	423.98	423.98	423.98	423.98	423.98
<b>40</b>	393.24	392.66	392.66	392.66	392.08	392.08	392.08	392.08	392.08
<b>45</b>	358.44	357.86	357.86	357.86	357.28	357.28	357.28	357.28	357.28
<b>50</b>	320.74	320.74	320.74	320.16	320.16	320.16	319.58	319.58	319.58
<b>55</b>	281.30	281.30	281.30	280.72	280.72	280.14	280.14	280.14	280.14
<b>60</b>	239.54	239.54	238.96	238.96	238.38	238.38	238.38	238.38	238.38

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**CANDELA TABULATION - (Cont.)**

<b>65</b>	196.62	196.04	196.04	195.46	195.46	195.46	194.88	194.88	194.88
<b>70</b>	152.54	151.96	151.38	151.38	150.80	150.80	150.80	150.22	150.22
<b>75</b>	108.46	108.46	107.88	107.30	106.72	106.72	106.14	106.14	106.14
<b>80</b>	67.28	66.70	66.12	65.54	64.96	64.38	64.38	63.80	63.80
<b>85</b>	30.74	30.16	29.58	29.58	29.00	29.00	28.42	28.42	28.42
<b>90</b>	2.90	2.90	2.90	2.90	2.32	2.32	2.32	2.32	2.32
<b>95</b>	22.04	22.04	22.04	21.46	21.46	20.88	21.46	22.62	22.62
<b>100</b>	51.62	51.62	52.20	52.78	54.52	58.00	59.16	59.16	59.16
<b>105</b>	90.48	92.22	95.12	99.76	103.24	104.98	105.56	105.56	105.56
<b>110</b>	140.94	146.74	151.96	156.02	157.76	159.50	160.08	160.66	160.66
<b>115</b>	205.90	211.12	214.60	217.50	219.24	220.98	221.56	222.14	222.14
<b>120</b>	276.08	280.14	283.04	285.36	287.68	288.84	290.00	290.58	290.58
<b>125</b>	349.74	352.64	355.54	357.86	359.60	361.34	361.92	362.50	363.08
<b>130</b>	423.98	426.30	428.62	430.94	432.10	433.84	434.42	435.00	435.58
<b>135</b>	495.32	497.64	499.38	501.12	502.28	503.44	504.02	504.60	504.60
<b>140</b>	560.86	562.60	563.76	564.92	566.08	566.66	567.24	567.24	567.82
<b>145</b>	618.28	619.44	620.02	621.18	621.76	622.34	622.34	622.34	622.34
<b>150</b>	667.00	667.58	668.16	668.16	668.74	669.32	669.32	669.32	669.32
<b>155</b>	706.44	706.44	707.02	707.02	707.60	707.60	707.60	708.18	707.60
<b>160</b>	737.76	737.76	737.76	738.34	738.34	738.34	738.34	738.34	738.34
<b>165</b>	761.54	761.54	761.54	761.54	761.54	761.54	761.54	761.54	761.54
<b>170</b>	777.78	777.78	777.78	777.78	777.78	777.78	777.78	777.78	777.78
<b>175</b>	786.48	786.48	786.48	786.48	786.48	786.48	786.48	787.06	787.06
<b>180</b>	788.80	788.80	788.80	788.80	788.80	788.80	788.80	788.80	788.80

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	195.89	N.A.	5.50
0-30	416.09	N.A.	11.70
0-40	681.93	N.A.	19.10
0-60	1210.12	N.A.	33.90
0-80	1520.25	N.A.	42.60
0-90	1556.01	N.A.	43.60
10-90	1505.35	N.A.	42.20
20-40	486.04	N.A.	13.60
20-50	762.62	N.A.	21.40
40-70	722.82	N.A.	20.30
60-80	310.13	N.A.	8.70
70-80	115.50	N.A.	3.20
80-90	35.76	N.A.	1.00
90-110	126.10	N.A.	3.50
90-120	325.39	N.A.	9.10
90-130	632.25	N.A.	17.70
90-150	1396.24	N.A.	39.10
90-180	2010.79	N.A.	56.40
110-180	1884.69	N.A.	52.80
0-180	3566.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	50.66
10-20	145.23
20-30	220.20
30-40	265.84
40-50	276.58
50-60	251.61
60-70	194.63
70-80	115.50
80-90	35.76
90-100	26.94
100-110	99.16
110-120	199.30
120-130	306.85
130-140	378.95
140-150	385.05
150-160	324.97
160-170	214.80
170-180	74.78

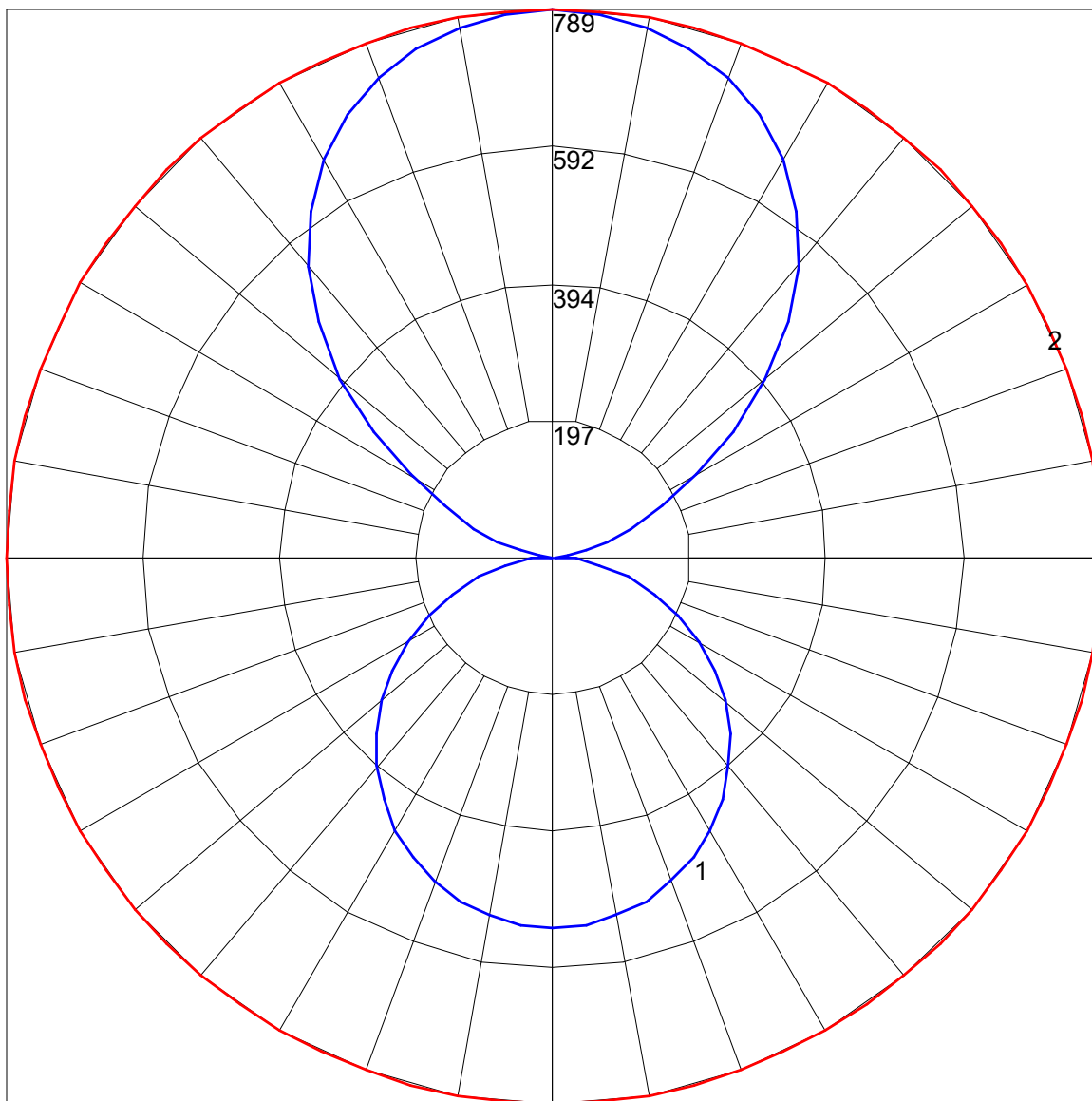
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	31	30	28	25	21
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	18	20	17	15	13
9	49	37	29	24	44	34	27	22	28	23	19	24	19	17	19	16	14	11
10	45	33	26	21	42	31	24	20	26	21	18	22	18	15	17	14	12	10

POLAR GRAPH



Maximum Candela = 788.8 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.)