

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-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	104	108	110	112
Total Lumens, 4' rail length (1219mm)	3201	3302	3370	3437
Lumens per foot (305mm)	800	826	842	859
Lumens per foot UP (305mm)	1753	1808	1845	1882
Lumens per foot DOWN (305mm)	1449	1494	1525	1555
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.



IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707-Z3-CC-LO-35-U2D2-AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L081800702 (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-AL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,
[MORE] symmetric lens with edgeglow up/soft diffuse lens down, 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	3370
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
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	4966	5034	5284
55	4645	4737	5064
65	4195	4301	4731
75	3507	3602	4116
85	2131	2248	3114

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	531.28	531.28	531.28	531.28	531.28	531.28	531.28	531.28	531.28	531.28
5	528.96	528.96	528.96	528.96	528.96	528.96	528.96	528.96	528.96	528.96
10	522.00	522.00	522.00	522.00	522.00	522.00	522.00	522.00	522.00	522.00
15	509.82	509.82	509.82	509.82	509.82	509.82	509.82	509.82	509.82	509.82
20	493.58	493.58	493.58	493.58	493.58	493.00	493.00	493.00	493.00	493.00
25	472.70	472.70	472.70	472.70	472.70	472.70	472.12	472.12	472.12	471.54
30	447.76	447.76	447.76	447.76	447.76	447.18	447.18	447.18	446.60	446.60
35	419.34	419.34	419.34	419.34	418.76	418.76	418.76	418.18	418.18	417.60
40	387.44	387.44	387.44	387.44	386.86	386.86	386.86	386.28	386.28	385.70
45	352.64	352.64	352.64	352.64	352.06	352.06	351.48	351.48	350.90	350.90
50	315.52	315.52	315.52	314.94	314.94	314.36	314.36	313.78	313.78	313.20
55	276.08	276.08	276.08	276.08	275.50	275.50	274.92	274.92	274.34	274.34
60	234.90	234.90	234.90	234.90	234.90	234.32	234.32	233.74	233.16	233.16
65	193.14	193.14	193.14	193.14	192.56	192.56	191.98	191.40	191.40	190.82
70	151.38	151.38	150.80	150.80	150.80	150.22	149.64	149.06	148.48	148.48
75	109.62	109.62	109.62	109.04	109.04	108.46	107.88	107.30	106.72	106.14
80	69.60	69.60	69.60	69.02	69.02	68.44	68.44	67.86	67.28	66.70
85	33.06	33.06	33.06	32.48	32.48	32.48	31.90	31.90	31.32	30.74
90	8.12	8.12	8.12	8.12	7.54	6.96	6.38	5.80	5.22	4.64
95	23.78	23.78	23.78	23.78	23.20	23.20	22.62	22.62	22.04	21.46
100	48.72	48.72	48.72	48.72	49.30	49.30	49.30	49.30	49.88	49.88
105	81.20	81.20	81.78	81.78	82.36	83.52	84.10	84.68	85.84	87.00
110	122.96	123.54	123.54	124.70	125.28	127.02	128.18	129.92	131.08	132.82
115	175.16	175.16	175.74	176.90	178.06	179.80	182.12	183.86	186.18	188.50
120	236.64	236.64	237.22	238.38	240.12	241.86	244.18	246.50	248.82	251.14
125	304.50	304.50	305.66	306.82	307.98	309.72	312.04	314.36	317.26	319.58
130	374.68	374.68	375.26	376.42	377.58	379.32	381.64	383.96	385.70	388.02
135	441.96	442.54	443.12	443.70	444.86	446.60	447.76	449.50	451.24	452.98
140	503.44	504.02	504.02	504.60	505.76	506.34	507.50	508.66	509.82	510.98
145	556.80	556.80	557.38	557.38	557.96	558.54	559.12	559.70	560.28	560.86
150	600.30	600.30	600.30	600.88	600.88	601.46	601.46	602.04	602.04	602.62
155	635.68	635.68	635.68	636.26	636.26	636.26	636.26	636.84	636.84	637.42
160	664.10	664.10	664.10	664.10	664.10	664.68	664.68	664.68	664.68	665.26
165	685.56	685.56	685.56	685.56	685.56	686.14	686.14	686.14	686.14	686.14
170	700.64	700.64	700.64	700.64	700.64	700.64	700.64	700.64	700.64	700.64
175	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34
180	712.24	712.24	712.24	712.24	712.24	712.24	712.24	712.24	712.24	712.24

Vert. 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	531.28	531.28	531.28	531.28	531.28	531.28	531.28	531.28	531.28
5	528.96	528.96	528.96	528.96	528.96	528.96	528.96	528.96	528.96
10	522.00	522.00	522.00	522.00	521.42	521.42	521.42	521.42	521.42
15	509.82	509.24	509.24	509.24	509.24	509.24	509.24	509.24	509.24
20	493.00	492.42	492.42	492.42	492.42	492.42	492.42	492.42	492.42
25	471.54	471.54	471.54	470.96	470.96	470.96	470.96	470.96	470.96
30	446.60	446.02	446.02	446.02	445.44	445.44	445.44	445.44	445.44
35	417.60	417.60	417.02	417.02	416.44	416.44	416.44	416.44	416.44
40	385.70	385.12	385.12	384.54	384.54	384.54	384.54	383.96	383.96
45	350.32	350.32	349.74	349.74	349.74	349.16	349.16	349.16	349.16
50	313.20	312.62	312.62	312.04	312.04	312.04	311.46	311.46	311.46
55	273.76	273.18	273.18	272.60	272.60	272.60	272.02	272.02	272.02
60	232.58	232.00	231.42	231.42	230.84	230.84	230.84	230.26	230.26

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CANDELA TABULATION - (Cont.)

65	190.24	189.66	189.08	188.50	188.50	187.92	187.92	187.34	187.92
70	147.32	146.74	146.16	145.58	145.00	144.42	144.42	143.84	143.84
75	105.56	104.98	103.82	103.24	102.66	101.50	101.50	100.92	100.92
80	65.54	64.96	64.38	63.22	62.64	61.48	60.90	60.90	60.32
85	30.16	30.16	29.58	29.00	28.42	27.84	27.26	26.68	26.68
90	4.06	3.48	2.90	2.32	1.74	1.74	1.16	0.58	0.58
95	21.46	20.88	20.30	19.72	19.72	19.14	18.56	18.56	17.98
100	49.88	49.88	50.46	50.46	49.88	49.88	49.88	49.30	49.30
105	87.58	88.74	89.32	89.90	89.90	90.48	90.48	90.48	90.48
110	134.56	136.30	137.46	138.62	139.20	139.78	139.78	140.36	139.78
115	190.24	192.56	194.30	195.46	196.62	197.78	197.78	198.36	198.36
120	254.04	256.36	258.10	259.84	261.58	262.16	262.74	263.32	263.32
125	321.90	324.22	326.54	327.70	329.44	330.02	330.60	331.18	331.18
130	390.34	392.08	393.82	394.98	396.14	396.72	397.30	397.88	397.88
135	454.72	455.88	457.04	458.20	458.78	459.36	459.94	459.94	460.52
140	511.56	512.72	513.30	514.46	514.46	515.04	515.62	515.62	515.62
145	561.44	562.02	562.60	563.18	563.18	563.76	563.76	564.34	564.34
150	603.20	603.78	603.78	604.36	604.36	604.36	604.94	604.94	604.94
155	637.42	638.00	638.00	638.00	638.58	638.58	638.58	638.58	638.58
160	665.26	665.26	665.26	665.26	665.84	665.84	665.84	665.84	665.84
165	686.14	686.14	686.14	686.14	686.14	686.14	686.72	686.72	686.72
170	700.64	700.64	700.64	700.64	700.64	701.22	700.64	700.64	701.22
175	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34
180	712.24	712.24	712.24	712.24	712.24	712.24	712.24	712.24	712.24

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	194.07	N.A.	5.80
0-30	411.48	N.A.	12.20
0-40	672.86	N.A.	20.00
0-60	1188.4	N.A.	35.30
0-80	1489.18	N.A.	44.20
0-90	1524.96	N.A.	45.30
10-90	1474.69	N.A.	43.80
20-40	478.79	N.A.	14.20
20-50	749.41	N.A.	22.20
40-70	704.14	N.A.	20.90
60-80	300.78	N.A.	8.90
70-80	112.18	N.A.	3.30
80-90	35.77	N.A.	1.10
90-110	119.98	N.A.	3.60
90-120	307.55	N.A.	9.10
90-130	592.66	N.A.	17.60
90-150	1290.4	N.A.	38.30
90-180	1844.94	N.A.	54.70
110-180	1724.96	N.A.	51.20
0-180	3369.9	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	50.27
10-20	143.80
20-30	217.41
30-40	261.38
40-50	270.62
50-60	244.92
60-70	188.60
70-80	112.18
80-90	35.77
90-100	26.42
100-110	93.56
110-120	187.57
120-130	285.11
130-140	347.75
140-150	350.00
150-160	293.49
160-170	193.61
170-180	67.44

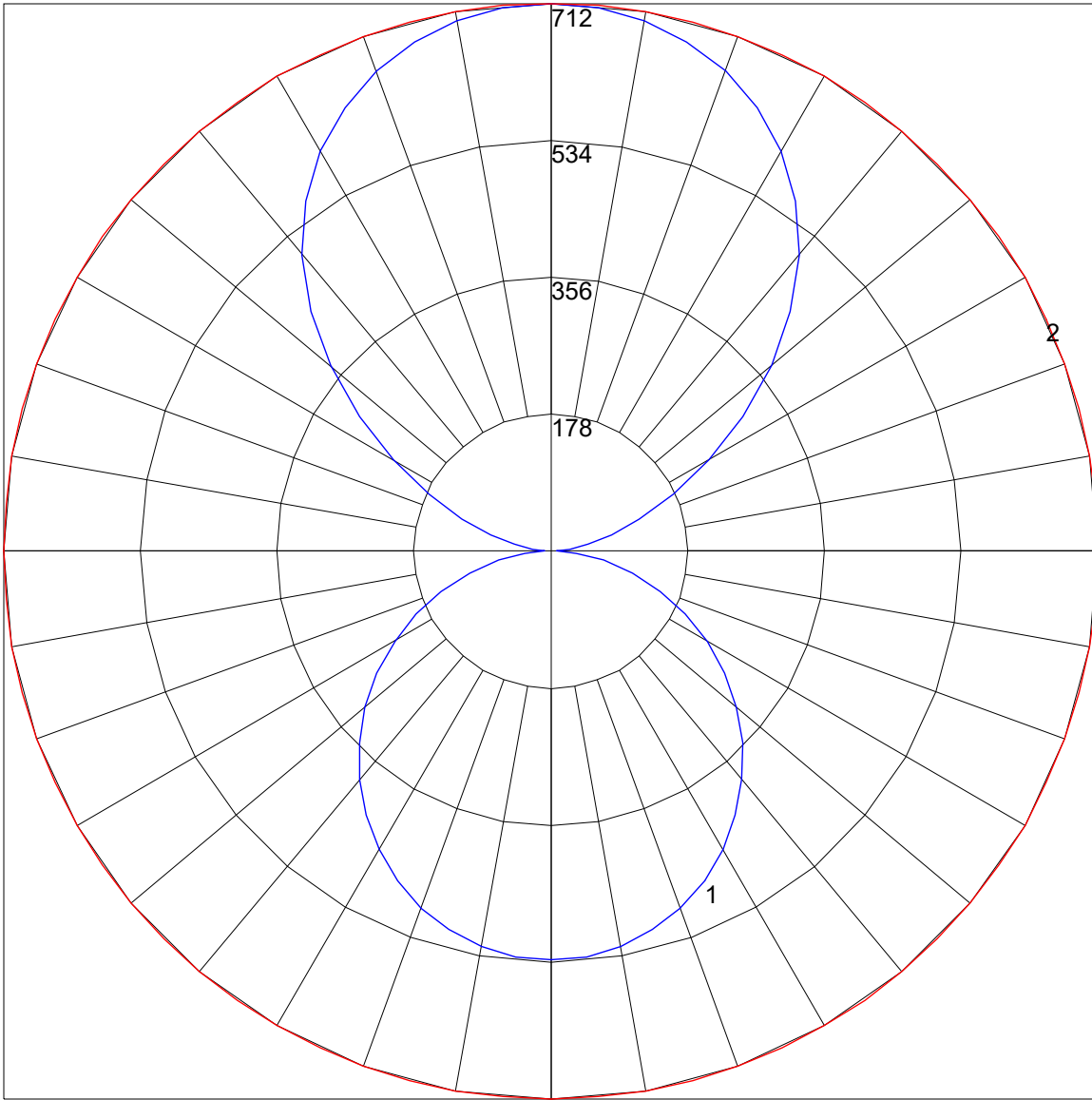
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	81	81	81	66	66	66	52	52	52	45
1	96	92	88	85	88	85	81	78	70	68	66	57	56	54	45	44	43	38
2	88	80	74	69	80	74	68	64	61	57	54	50	47	45	40	38	36	31
3	80	70	63	57	73	65	58	53	54	49	45	44	41	38	35	33	31	26
4	73	62	54	48	67	57	50	45	48	43	38	39	35	32	31	28	26	22
5	67	55	47	41	61	51	44	38	43	37	33	35	31	28	28	25	23	19
6	62	49	41	35	56	46	38	33	38	33	29	32	27	24	25	22	20	17
7	57	45	37	31	52	41	34	29	35	29	25	29	24	21	23	20	18	15
8	53	40	33	27	48	37	30	26	32	26	22	26	22	19	21	18	16	13
9	49	37	29	24	45	34	27	23	29	24	20	24	20	17	19	16	14	12
10	46	34	26	22	42	31	25	20	27	21	18	22	18	15	18	15	13	11

POLAR GRAPH



Maximum Candela = 712.24 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.)