

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric, up | 60° Symmetric, down | 80 CRI | LO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U1S2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	78	80	82	84
Total Lumens, 4' rail length (1219mm)	2382	2457	2507	2557
Lumens per foot (305mm)	595	614	627	639
Lumens per foot UP (305mm)	406	419	428	436
Lumens per foot DOWN (305mm)	189	195	199	203
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_U1S2_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L031805809 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
[ISSUEDATE] 4/12/2018
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z3-CC-Z-LO-35-U1S2-BL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,
[MORE] symmetric lens up/60° symmetric 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	2507
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	30.81
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)	0.25 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	1014	1919	3392
55	461	946	1845
65	241	486	983
75	131	277	571
85	75	128	272

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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>
0.0	640.32	640.32	640.32	640.32	640.32	640.32	640.32	640.32	640.32	640.32
1.0	639.74	639.74	639.74	639.74	639.74	639.74	639.74	639.74	639.74	639.74
3.0	636.26	636.26	636.26	636.26	636.26	636.84	636.84	636.84	637.42	637.42
5.0	629.30	629.30	629.30	629.30	629.88	630.46	631.04	631.62	632.20	632.78
7.0	618.28	618.28	618.28	618.86	620.02	620.60	621.76	622.92	624.08	625.24
9.0	603.20	603.20	603.78	604.94	606.10	607.84	609.58	611.32	613.06	615.38
11.0	584.64	584.64	585.80	586.96	588.70	591.02	593.92	596.82	599.72	602.62
13.0	561.44	562.02	563.18	564.92	567.82	571.30	574.78	578.84	582.90	587.54
15.0	534.76	535.34	537.08	539.40	543.46	547.52	552.74	557.96	563.76	569.56
17.0	504.02	504.60	506.92	510.40	514.46	520.26	526.64	533.60	541.14	548.68
19.5	461.10	462.26	464.58	469.22	475.02	481.98	490.10	499.38	509.24	519.10
22.5	404.26	405.42	408.90	414.12	421.66	430.36	440.80	452.40	465.16	477.92
25.5	344.52	345.68	349.74	356.12	364.82	375.26	387.44	401.36	416.44	431.52
29.0	276.08	277.24	281.30	288.26	297.54	309.14	323.06	338.72	355.54	372.94
33.0	204.74	206.48	209.96	216.34	225.62	237.22	251.14	267.38	285.36	304.50
37.5	140.36	140.94	144.42	150.22	158.34	168.20	180.38	195.46	212.28	230.26
42.5	88.16	89.32	91.64	95.70	101.50	109.62	118.90	131.08	145.00	160.08
47.5	55.10	55.68	57.42	60.32	64.38	69.60	76.56	85.26	95.12	106.14
55.0	27.26	27.84	28.42	30.16	31.90	34.80	38.28	42.92	48.14	54.52
65.0	11.02	11.02	11.60	12.18	12.76	13.92	15.66	17.40	19.14	21.46
75.0	4.06	4.64	4.64	4.64	5.22	5.22	5.80	6.38	6.96	8.12
85.0	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.74	1.74
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	13.34	13.34	13.34	13.92	13.92	13.92	13.92	14.50	14.50	15.08
100.0	36.54	36.54	36.54	37.12	37.70	37.70	38.86	39.44	40.02	41.18
105.0	66.12	66.12	66.12	66.70	67.86	69.02	70.18	71.34	73.08	74.24
110.0	103.24	103.24	103.82	104.98	106.14	107.88	109.62	111.94	113.68	116.00
115.0	149.06	149.06	150.22	151.38	153.12	154.86	157.18	160.08	162.98	165.88
120.0	203.00	203.00	204.16	205.32	207.64	209.96	212.28	215.76	219.24	222.72
125.0	263.90	264.48	265.06	266.80	269.12	271.44	274.34	277.82	281.88	285.94
130.0	330.02	330.60	331.18	332.92	335.24	337.56	341.04	344.52	348.00	352.06
135.0	397.88	398.46	399.04	400.78	402.52	404.84	407.74	410.64	414.12	417.02
140.0	462.84	463.42	464.00	465.16	466.90	468.64	470.96	473.28	475.60	477.92
145.0	521.42	521.42	522.00	522.58	523.74	524.90	526.64	528.38	529.54	531.28
150.0	570.72	570.72	570.72	571.30	571.88	573.04	573.62	574.78	575.36	576.52
155.0	609.58	609.58	610.16	610.16	610.74	611.32	611.90	612.48	613.06	613.64
160.0	640.90	640.90	640.90	640.90	641.48	641.48	642.06	642.06	642.64	643.22
165.0	664.68	664.68	664.68	664.68	664.68	665.26	665.26	665.84	665.84	666.42
170.0	681.50	681.50	682.08	682.08	682.08	682.08	682.66	682.66	682.66	683.24
175.0	692.52	692.52	692.52	693.10	693.10	693.10	693.10	693.10	693.10	693.10
180.0	696.58	696.58	696.58	696.58	696.58	696.58	696.58	696.58	696.58	696.58

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>
0.0	640.32	640.32	640.32	640.32	640.32	640.32	640.32	640.32	640.32
1.0	639.74	639.74	639.74	639.74	639.74	640.32	640.32	640.32	640.32
3.0	638.00	638.00	638.00	638.58	638.58	638.58	638.58	638.58	638.58
5.0	633.36	633.94	634.52	635.10	635.68	635.68	636.26	636.26	636.26
7.0	626.40	627.56	628.72	629.88	630.46	631.04	631.62	632.20	632.20
9.0	617.12	619.44	621.18	622.92	624.08	625.24	626.40	626.98	626.98
11.0	606.10	609.00	611.32	614.22	615.96	617.70	618.86	619.44	620.02
13.0	591.60	596.24	599.72	603.20	606.10	608.42	610.16	611.32	611.32
15.0	575.36	580.58	585.80	590.44	593.92	597.40	599.14	600.88	600.88

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17.0	556.22	563.18	569.56	575.36	580.00	584.06	586.96	588.70	589.28
19.5	528.38	537.66	546.36	553.32	559.70	564.92	568.40	570.72	571.30
22.5	490.10	502.28	512.72	522.58	530.70	537.08	541.72	544.62	545.20
25.5	446.60	461.68	475.02	487.20	497.06	504.60	510.40	513.30	514.46
29.0	391.50	408.90	425.14	439.64	451.24	460.52	466.90	470.96	472.12
33.0	324.80	343.94	361.92	378.16	391.50	401.94	409.48	413.54	415.28
37.5	250.56	269.70	288.26	305.08	319.00	330.02	337.56	342.20	343.36
42.5	176.90	193.72	210.54	225.04	237.80	248.24	255.20	259.26	261.00
47.5	118.90	132.24	144.42	156.02	167.04	174.58	180.38	183.86	185.02
55.0	60.90	68.44	75.40	81.78	87.58	92.22	95.70	98.02	98.60
65.0	24.36	27.26	29.58	32.48	34.22	36.54	37.70	38.86	38.86
75.0	8.70	9.86	10.44	11.60	12.18	12.76	13.34	13.92	13.92
85.0	1.74	1.74	1.74	2.32	2.32	2.32	2.32	2.32	2.32
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	15.08	15.66	15.66	15.66	15.66	16.24	15.66	15.66	15.66
100.0	41.76	42.34	43.50	44.08	44.66	45.24	45.24	45.24	45.24
105.0	75.98	77.72	79.46	80.62	81.78	82.36	82.94	83.52	83.52
110.0	118.90	121.22	122.96	125.28	127.02	128.18	128.76	129.34	129.34
115.0	168.78	172.26	174.58	177.48	179.22	180.96	182.12	182.70	182.70
120.0	226.20	229.68	233.16	236.06	238.38	240.12	241.28	241.86	242.44
125.0	289.42	293.48	296.96	299.86	301.60	303.92	305.08	306.24	306.82
130.0	355.54	359.02	361.92	364.82	367.14	368.88	370.62	371.78	371.78
135.0	420.50	423.40	425.72	428.04	429.78	431.52	433.26	434.42	434.42
140.0	480.24	482.56	484.30	486.04	487.78	488.94	490.68	491.26	491.84
145.0	533.02	534.18	535.92	537.08	538.24	539.98	541.14	541.72	542.30
150.0	577.68	578.26	579.42	580.58	581.74	582.90	584.06	584.64	584.64
155.0	614.22	614.80	615.96	616.54	617.70	618.28	619.44	620.02	620.02
160.0	643.80	644.38	644.96	646.12	646.70	647.28	647.86	648.44	648.44
165.0	667.00	667.58	667.58	668.16	668.74	669.32	669.90	669.90	669.90
170.0	683.24	683.82	683.82	684.40	684.40	684.40	684.98	684.98	684.98
175.0	693.10	693.68	693.68	693.68	693.68	693.68	693.68	693.68	693.68
180.0	696.58	696.58	696.58	696.58	696.58	696.58	696.58	696.58	696.58

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	209.00	N.A.	8.30
0-30	398.97	N.A.	15.90
0-40	553.51	N.A.	22.10
0-60	734.79	N.A.	29.30
0-80	790.24	N.A.	31.50
0-90	796.20	N.A.	31.80
10-90	747.63	N.A.	29.80
20-40	344.51	N.A.	13.70
20-50	470.46	N.A.	18.80
40-70	220.30	N.A.	8.80
60-80	55.44	N.A.	2.20
70-80	16.42	N.A.	0.70
80-90	5.96	N.A.	0.20
90-110	100.10	N.A.	4.00
90-120	266.13	N.A.	10.60
90-130	522.07	N.A.	20.80
90-150	1174.28	N.A.	46.80
90-180	1710.93	N.A.	68.20
110-180	1610.83	N.A.	64.30
0-180	2507.12	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	48.57
10-20	160.44
20-30	189.97
30-40	154.54
40-50	125.95
50-60	55.34
60-70	39.02
70-80	16.42
80-90	5.96
90-100	19.21
100-110	80.89
110-120	166.03
120-130	255.94
130-140	320.70
140-150	331.51
150-160	282.68
160-170	188.11
170-180	65.86

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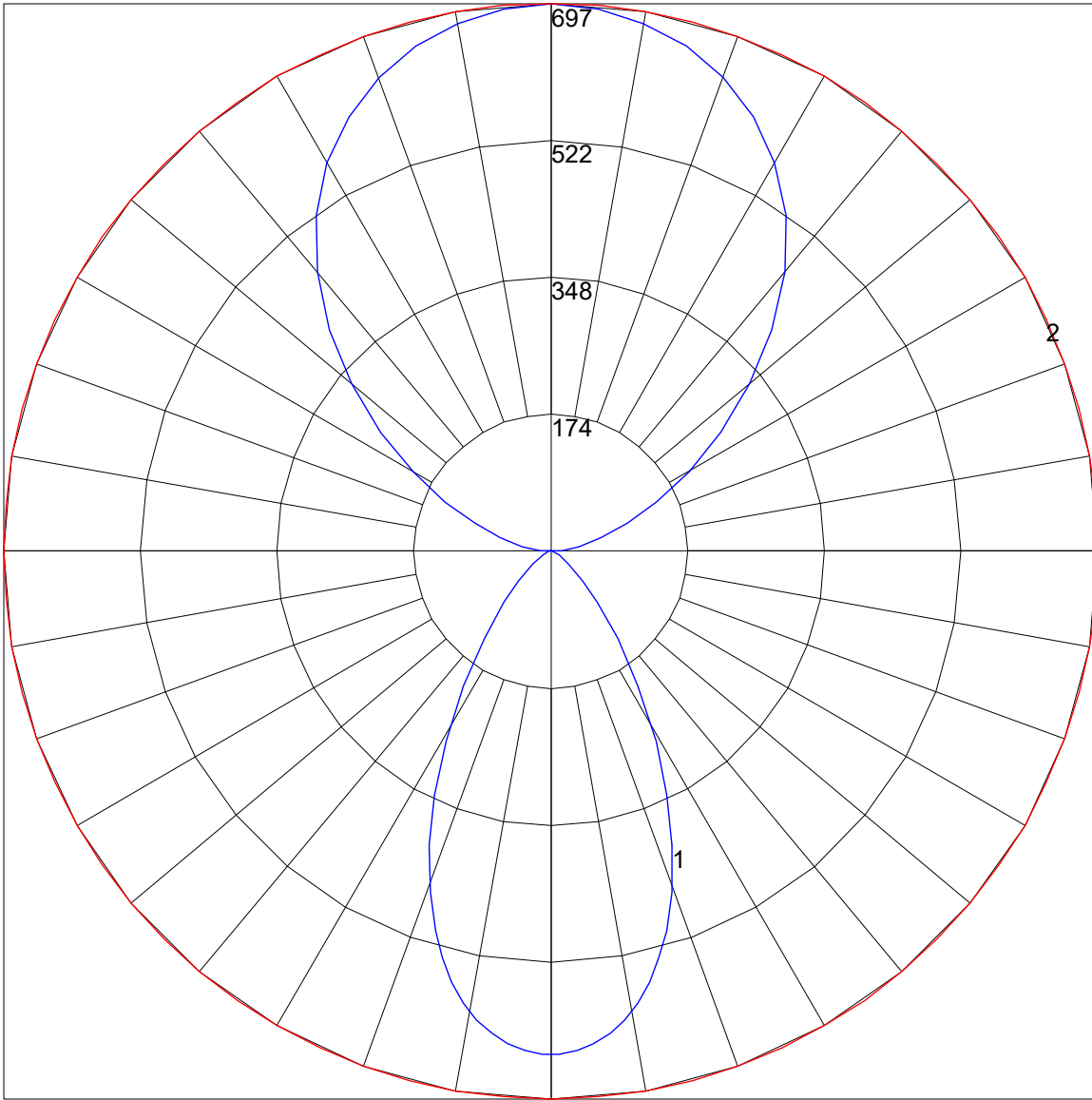
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_35_U1S2_BL.IES

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	103	103	103	103	92	92	92	92	73	73	73	56	56	56	39	39	39	32
1	95	91	87	84	85	82	79	76	65	63	62	50	49	48	36	35	35	28
2	87	80	75	70	78	73	68	64	58	55	53	45	43	41	33	32	31	25
3	80	71	65	60	72	65	59	55	52	48	45	41	38	36	30	29	27	23
4	73	64	57	51	66	58	52	47	47	43	39	37	34	32	28	26	24	20
5	68	57	50	45	61	52	46	41	43	38	35	34	31	28	25	24	22	19
6	63	52	44	39	57	47	41	36	39	34	31	31	28	25	23	21	20	17
7	58	47	40	35	53	43	37	32	35	31	27	28	25	23	22	20	18	15
8	54	43	36	31	49	39	33	29	33	28	25	26	23	21	20	18	17	14
9	51	39	32	28	46	36	30	26	30	26	22	24	21	19	19	17	15	13
10	47	36	30	25	43	33	27	23	28	23	20	23	19	17	18	16	14	12

POLAR GRAPH



Maximum Candela = 696.58 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.)