

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U2S1-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	87	90	92	93
Total Lumens, 4' rail length (1219mm)	2668	2752	2809	2865
Lumens per foot (305mm)	667	688	702	716
Lumens per foot UP (305mm)	441	455	464	473
Lumens per foot DOWN (305mm)	226	233	238	243
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_U2S1_AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L031805802R01 (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-U2S1-AL

[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,

[MORE] symmetric lens with edgeglow up/40° symmetric 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	2809
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
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	1297	2266	4741
55	893	1439	3212
65	709	1025	2128
75	560	732	1450
85	263	341	748

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	684.98	684.98	684.98	684.98	684.98	684.98	684.98	684.98	684.98	684.98
1.0	683.82	683.82	683.82	683.82	684.40	684.40	684.40	684.40	684.40	684.40
3.0	679.18	679.18	679.18	679.76	679.76	680.34	680.34	680.92	680.92	681.50
5.0	669.32	669.32	669.90	670.48	671.06	671.64	672.22	673.38	674.54	675.70
7.0	654.24	654.82	655.40	655.98	657.14	658.88	660.62	662.36	664.68	666.42
9.0	634.52	635.10	635.68	637.42	639.16	641.48	644.38	647.86	651.34	654.82
11.0	610.16	610.74	611.90	614.22	617.12	620.60	624.66	629.30	634.52	639.16
13.0	580.58	581.16	582.90	586.38	590.44	595.08	600.88	607.26	614.22	621.18
15.0	547.52	548.10	550.42	554.48	559.70	566.08	573.62	582.32	591.02	600.30
17.0	510.40	511.56	514.46	519.10	525.48	533.60	542.88	553.32	564.34	575.94
19.5	460.52	461.68	465.16	470.96	479.08	488.94	500.54	513.88	527.80	542.30
22.5	398.46	399.62	403.68	410.64	419.92	431.52	445.44	461.10	478.50	496.48
25.5	336.40	338.14	342.20	349.74	360.18	372.94	388.02	406.58	426.30	447.18
29.0	269.70	270.86	275.50	283.04	293.48	306.82	323.06	342.20	363.66	386.86
33.0	204.74	206.48	210.54	216.92	226.78	238.96	254.62	273.18	294.64	318.42
37.5	149.06	150.22	153.12	158.92	167.04	177.48	190.24	206.48	226.20	247.66
42.5	105.56	106.72	109.04	113.10	118.90	126.44	136.30	149.06	164.72	182.12
47.5	77.72	78.30	80.04	82.94	87.00	92.22	99.18	107.88	118.90	132.24
55.0	52.78	53.36	53.94	55.68	57.42	60.90	64.38	69.02	75.40	82.94
65.0	32.48	33.06	33.06	33.64	34.80	35.96	37.70	39.44	42.34	45.24
75.0	17.40	17.40	17.40	17.40	17.98	18.56	19.14	19.72	20.30	21.46
85.0	4.06	4.06	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64
90.0	8.70	8.70	8.70	8.12	7.54	7.54	6.96	6.38	5.80	5.22
95.0	24.36	24.36	24.36	23.78	23.78	23.20	23.20	22.62	22.04	21.46
100.0	49.88	49.88	49.88	49.88	49.88	49.88	49.88	49.88	49.88	49.88
105.0	82.36	82.36	82.94	82.94	83.52	84.10	84.68	85.26	85.84	86.42
110.0	123.54	123.54	124.12	124.70	125.86	126.44	127.60	129.34	130.50	132.24
115.0	174.00	174.00	174.58	175.74	176.90	178.06	179.80	182.12	183.86	186.18
120.0	232.58	233.16	233.74	234.90	236.06	237.80	240.12	242.44	245.34	247.66
125.0	298.70	298.70	299.86	300.44	302.18	304.50	306.82	309.72	312.62	315.52
130.0	368.88	368.88	369.46	370.62	372.36	374.68	377.00	379.90	382.80	385.70
135.0	438.48	438.48	439.64	440.80	441.96	444.28	446.02	448.34	451.24	453.56
140.0	504.02	504.60	505.18	505.76	506.92	508.66	509.82	511.56	513.30	515.04
145.0	562.02	562.02	562.02	562.60	563.76	564.34	565.50	566.66	567.82	568.40
150.0	609.58	609.58	609.58	610.16	610.16	610.74	611.32	611.90	611.90	612.48
155.0	647.28	647.28	647.28	647.28	647.28	647.86	647.86	648.44	648.44	649.02
160.0	676.86	676.86	676.86	676.86	676.86	677.44	677.44	677.44	678.02	678.02
165.0	698.90	698.90	698.90	699.48	699.48	699.48	699.48	699.48	699.48	699.48
170.0	715.14	715.14	715.14	715.14	715.14	715.14	715.14	715.14	715.14	715.72
175.0	725.00	725.00	725.00	725.00	725.00	725.00	725.00	725.00	725.00	725.00
180.0	728.48	728.48	728.48	728.48	728.48	728.48	728.48	728.48	728.48	728.48

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	684.98	684.98	684.98	684.98	684.98	684.98	684.98	684.98	684.98
1.0	684.40	684.40	684.40	684.40	684.40	684.40	684.40	684.40	684.40
3.0	682.08	682.08	682.66	682.66	683.24	683.24	683.24	683.82	683.82
5.0	676.86	677.44	678.60	679.18	680.34	680.92	681.50	681.50	681.50
7.0	668.74	670.48	672.80	674.54	675.70	676.86	678.02	678.60	678.60
9.0	658.30	661.20	664.68	667.58	669.90	671.64	673.38	673.96	674.54
11.0	644.38	649.60	654.24	658.88	662.36	665.26	667.58	668.74	668.74
13.0	628.72	635.10	642.06	647.86	652.50	656.56	660.04	661.78	662.36
15.0	609.58	618.86	626.98	635.10	641.48	646.70	650.76	653.08	654.24

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_35_U2S1_AL.IES****CANDELA TABULATION - (Cont.)**

17.0	588.12	599.14	610.16	620.02	628.14	635.10	640.32	643.22	644.38
19.5	557.38	571.88	585.22	598.56	609.00	617.70	624.08	628.14	629.88
22.5	515.62	534.18	551.58	567.82	581.74	592.76	601.46	606.68	608.42
25.5	469.80	491.84	512.72	532.44	549.26	563.76	574.20	580.00	582.32
29.0	411.80	437.32	462.26	486.04	506.34	523.16	535.92	543.46	545.78
33.0	344.52	372.94	400.20	426.88	450.08	469.80	484.30	493.58	496.48
37.5	273.18	299.86	327.70	355.54	379.90	401.94	418.18	428.04	431.52
42.5	203.58	226.78	251.14	277.24	301.02	322.48	338.14	348.58	351.48
47.5	148.48	166.46	186.18	207.06	227.36	245.92	259.84	268.54	272.02
55.0	92.22	103.24	114.84	128.18	140.94	153.12	162.98	168.78	171.68
65.0	49.30	53.94	59.16	64.96	70.18	75.98	80.62	83.52	84.10
75.0	23.20	24.36	26.68	28.42	30.16	32.48	33.64	34.80	35.38
85.0	5.22	5.22	5.22	5.80	5.80	5.80	5.80	6.38	6.38
90.0	4.06	3.48	2.90	2.32	1.74	1.74	1.16	0.58	0.58
95.0	20.88	20.30	19.72	19.14	18.56	17.98	17.98	17.40	17.40
100.0	49.88	49.88	49.88	49.88	49.30	49.30	49.30	48.72	48.72
105.0	87.58	88.16	88.74	89.32	89.32	89.90	89.90	89.90	89.90
110.0	133.40	135.14	136.30	137.46	138.62	139.20	139.20	139.20	139.78
115.0	188.50	190.24	192.56	194.30	195.46	196.62	197.20	197.20	197.20
120.0	250.56	253.46	255.78	258.10	259.84	261.00	261.58	262.74	262.74
125.0	318.42	321.32	324.22	326.54	328.28	329.44	330.60	331.76	331.76
130.0	388.60	391.50	393.82	395.56	397.30	398.46	399.62	400.20	400.78
135.0	455.88	458.20	459.94	461.10	462.84	464.00	464.58	465.74	465.74
140.0	516.78	517.94	519.10	520.84	521.42	522.58	523.16	523.74	523.74
145.0	569.56	570.14	571.30	571.88	572.46	573.04	573.62	574.20	574.78
150.0	613.06	614.22	614.80	615.38	615.38	615.96	616.54	617.12	617.12
155.0	649.60	650.18	650.18	650.76	650.76	651.34	651.92	651.92	651.92
160.0	678.02	678.60	678.60	679.18	679.18	679.76	679.76	679.76	679.76
165.0	700.06	700.06	700.06	700.64	700.64	701.22	701.22	701.22	701.22
170.0	715.72	715.72	715.72	715.72	716.30	716.30	716.30	716.30	716.30
175.0	725.00	725.00	725.00	725.00	725.00	725.58	725.58	725.58	725.58
180.0	728.48	728.48	728.48	728.48	728.48	728.48	728.48	728.48	728.48

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	221.30	N.A.	7.90
0-30	421.43	N.A.	15.00
0-40	590.30	N.A.	21.00
0-60	824.02	N.A.	29.30
0-80	933.55	N.A.	33.20
0-90	951.89	N.A.	33.90
10-90	900.08	N.A.	32.00
20-40	369.00	N.A.	13.10
20-50	522.37	N.A.	18.60
40-70	304.35	N.A.	10.80
60-80	109.53	N.A.	3.90
70-80	38.90	N.A.	1.40
80-90	18.34	N.A.	0.70
90-110	119.93	N.A.	4.30
90-120	305.93	N.A.	10.90
90-130	588.42	N.A.	21.00
90-150	1291.35	N.A.	46.00
90-180	1856.78	N.A.	66.10
110-180	1736.85	N.A.	61.80
0-180	2808.67	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	51.81
10-20	169.49
20-30	200.13
30-40	168.87
40-50	153.37
50-60	80.35
60-70	70.63
70-80	38.90
80-90	18.34
90-100	26.40
100-110	93.53
110-120	186.00
120-130	282.48
130-140	348.36
140-150	354.57
150-160	298.96
160-170	197.55
170-180	68.92

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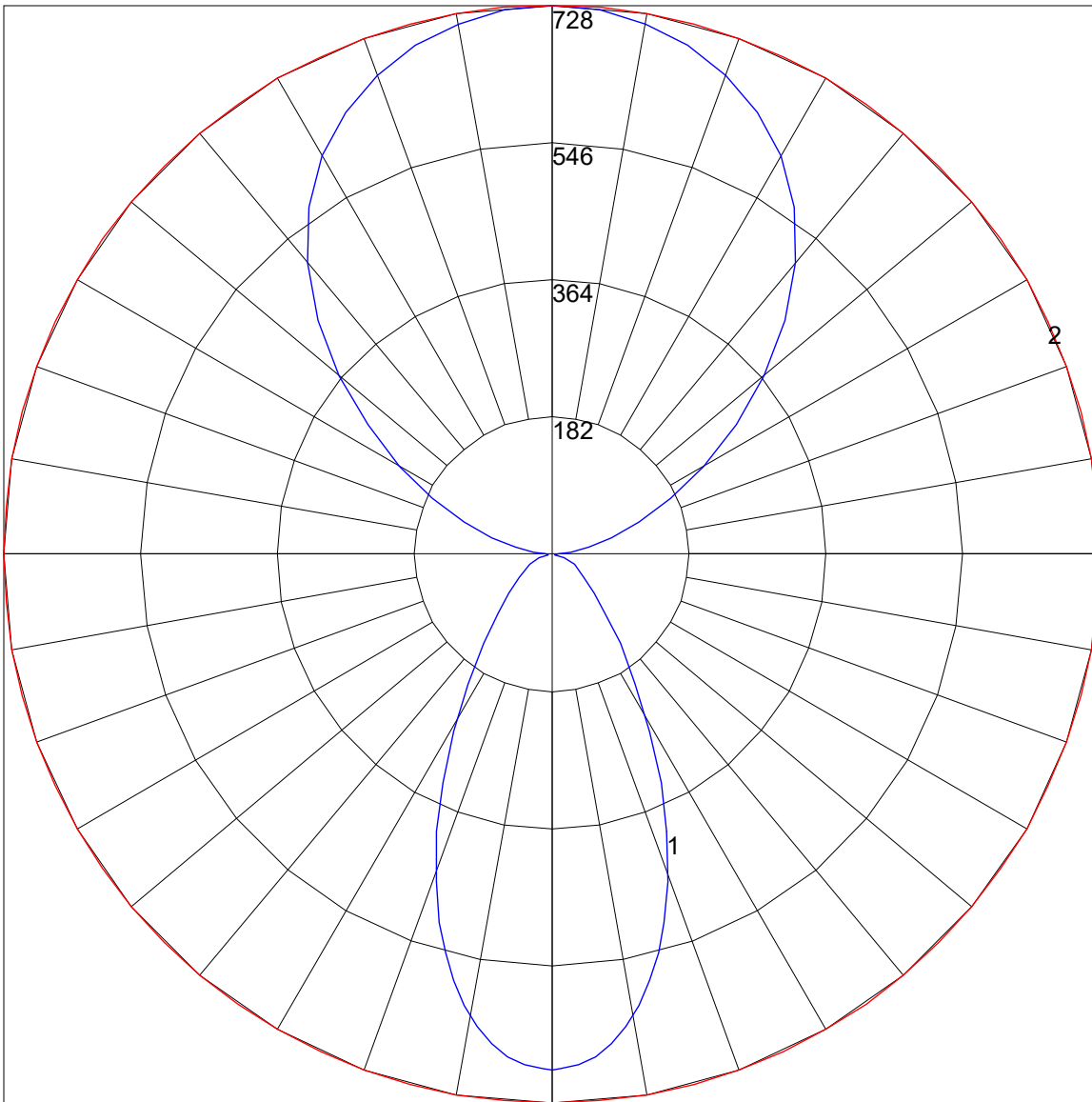
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_35_U2S1_AL.IES

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	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	95	91	87	84	85	82	79	76	66	64	62	51	50	48	37	36	36	29
2	87	80	74	69	78	72	68	64	58	55	52	46	43	41	34	32	31	26
3	80	71	64	59	72	64	59	54	52	48	45	41	38	36	30	29	27	23
4	73	63	56	50	66	57	51	46	47	42	39	37	34	31	28	26	24	20
5	67	57	49	44	61	52	45	40	42	38	34	34	30	28	25	23	22	18
6	62	51	44	38	56	47	40	35	38	34	30	31	27	25	23	21	20	16
7	58	46	39	34	52	42	36	31	35	30	27	28	25	22	22	19	18	15
8	54	42	35	30	49	39	32	28	32	27	24	26	23	20	20	18	16	14
9	50	39	32	27	45	36	29	25	30	25	22	24	21	18	19	16	15	13
10	47	36	29	24	43	33	27	23	27	23	20	22	19	17	17	15	14	12

POLAR GRAPH



Maximum Candela = 728.48 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.)