

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	90	93	95	95
Total Lumens, 4' rail length (1219mm)	2662	2746	2802	2802
Lumens per foot (305mm)	665	687	701	701
Lumens per foot UP (305mm)	439	453	462	462
Lumens per foot DOWN (305mm)	226	234	238	238
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.



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_35_U1S2_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911549 (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-U1S2-BL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 CRI, zipper board, symmetric lens up/60° symmetric lens down,

[MORE] 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	2802
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	29.78
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)	0.26 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	1547	2522	3244
55	682	1203	1784
65	343	596	988
75	199	326	594
85	110	166	327

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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	702.38	702.38	702.38	702.38	702.38	702.38	702.38	702.38	702.38	702.38
1.0	702.38	702.38	702.38	702.38	702.38	702.38	702.38	702.38	702.38	702.38
3.0	701.22	700.64	700.64	700.64	700.64	701.22	701.22	701.22	701.22	701.22
5.0	696.58	696.58	696.58	696.58	696.58	697.16	697.16	697.16	697.74	697.74
7.0	689.62	689.62	690.20	690.20	690.20	690.78	691.36	691.36	691.94	692.52
9.0	679.76	680.34	680.34	680.92	680.92	681.50	682.66	683.24	683.82	684.98
11.0	667.58	667.58	667.58	668.16	669.32	669.90	671.06	672.22	673.96	675.12
13.0	651.34	651.92	651.92	653.08	654.24	655.40	657.14	658.88	660.62	662.36
15.0	632.20	632.78	633.36	634.52	636.26	638.00	640.32	642.64	644.96	647.28
17.0	609.58	609.58	610.74	612.48	614.80	617.70	620.60	624.08	627.56	629.88
19.5	575.36	575.94	577.10	580.00	583.48	586.96	591.60	596.24	600.30	604.94
22.5	526.64	527.22	529.54	533.02	537.66	543.46	549.84	556.22	562.60	568.40
25.5	469.80	470.96	473.86	478.50	484.88	492.42	500.54	509.24	517.36	525.48
29.0	396.72	397.88	401.36	407.74	415.28	425.14	435.58	446.60	457.62	467.48
33.0	309.72	310.88	315.52	322.48	331.76	343.36	355.54	369.46	382.80	394.98
37.5	219.82	220.98	225.04	232.00	241.28	252.88	266.22	280.72	295.22	308.56
42.5	140.36	141.52	145.00	150.22	158.34	168.20	179.22	191.98	205.90	218.66
47.5	86.42	87.00	89.32	93.38	99.18	106.14	114.26	123.54	133.98	144.42
55.0	41.76	41.76	42.92	45.24	48.14	51.62	55.68	60.90	66.12	71.92
65.0	16.24	16.24	16.82	17.40	18.56	19.72	21.46	23.20	25.52	27.26
75.0	6.38	6.38	6.38	6.38	6.96	7.54	8.12	8.70	9.28	9.86
85.0	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	2.32
90.0	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
95.0	17.98	18.56	18.56	18.56	18.56	18.56	19.14	19.14	19.14	19.14
100.0	40.02	40.02	40.02	40.60	41.18	41.76	42.34	43.50	44.66	45.82
105.0	70.18	70.18	70.76	71.92	72.50	74.24	75.98	77.72	79.46	81.78
110.0	110.20	110.78	111.36	112.52	114.26	116.00	118.32	120.64	123.54	125.86
115.0	160.08	160.08	161.24	162.40	164.14	166.46	168.78	172.26	175.74	179.80
120.0	216.92	217.50	218.66	220.40	222.72	225.62	229.68	233.74	238.38	242.44
125.0	284.78	285.36	286.52	288.26	291.16	294.06	297.54	301.60	305.08	309.14
130.0	356.70	356.70	357.86	359.60	361.92	364.24	367.72	371.20	374.68	378.74
135.0	426.88	427.46	428.04	429.78	431.52	434.42	436.74	440.22	443.70	447.18
140.0	494.16	494.74	495.32	496.48	498.22	500.54	502.86	505.76	508.66	512.14
145.0	555.64	555.64	556.22	557.38	559.12	560.86	562.60	565.50	567.82	570.72
150.0	609.00	609.58	610.16	610.74	611.90	613.06	614.80	616.54	618.86	620.60
155.0	654.82	654.24	654.82	655.40	655.98	657.14	658.30	660.04	661.20	662.94
160.0	690.78	690.78	691.36	691.94	692.52	693.10	693.68	694.26	695.42	696.00
165.0	718.62	718.62	718.62	719.20	719.20	719.78	719.78	720.36	720.94	721.52
170.0	737.76	737.76	737.76	737.76	737.76	737.76	738.34	738.34	738.34	738.92
175.0	748.20	748.20	748.20	748.20	748.20	748.20	748.20	748.20	748.20	748.20
180.0	751.10	751.10	751.10	751.10	751.10	751.10	751.10	751.10	751.10	751.10

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>
0.0	702.38	702.38	702.38	702.38	702.38	702.38	702.38	702.38	702.38
1.0	702.38	702.38	702.38	702.38	702.38	702.96	702.38	702.38	702.96
3.0	701.22	701.22	701.22	701.22	701.80	701.22	701.22	701.80	701.22
5.0	698.32	698.32	698.32	698.32	698.90	698.90	698.90	698.90	699.48
7.0	693.10	693.10	693.68	694.26	694.26	694.26	694.84	694.84	694.84
9.0	685.56	686.14	686.72	687.30	687.88	688.46	688.46	689.04	689.04
11.0	676.28	676.86	678.02	679.18	679.76	680.34	680.92	680.92	680.92
13.0	664.10	665.84	667.00	668.16	669.32	669.90	670.48	671.06	671.06
15.0	649.60	651.92	653.66	655.40	656.56	657.72	658.30	658.88	658.88

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_35_U1S2_BL.IES****CANDELA TABULATION - (Cont.)**

17.0	633.36	635.68	638.00	640.32	641.48	642.64	643.80	644.38	644.38
19.5	608.42	611.90	614.80	617.70	619.44	620.60	621.76	622.34	622.34
22.5	573.62	578.26	581.74	585.22	587.54	589.28	589.86	590.44	591.02
25.5	532.44	538.24	542.88	546.36	549.26	551.00	552.16	553.32	553.32
29.0	476.76	484.30	490.10	494.16	497.06	498.80	499.96	500.54	500.54
33.0	406.00	414.70	421.66	426.30	429.78	431.52	432.68	432.68	433.26
37.5	321.32	331.18	338.72	344.52	347.42	349.16	350.32	350.90	350.90
42.5	230.26	240.70	248.24	254.04	257.52	259.26	260.42	261.00	261.00
47.5	154.28	162.98	169.36	174.58	178.06	180.38	182.12	182.70	182.70
55.0	77.72	82.94	87.58	91.06	93.96	96.28	98.02	98.60	99.18
65.0	29.58	31.90	33.64	35.38	37.12	38.86	39.44	40.02	40.60
75.0	11.02	11.60	12.18	13.34	13.92	14.50	15.08	15.08	15.08
85.0	2.32	2.32	2.32	2.90	2.90	2.90	2.90	2.90	2.90
90.0	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
95.0	19.14	19.14	19.14	19.72	19.72	19.72	19.72	20.30	20.30
100.0	46.40	47.56	48.72	49.30	49.88	51.04	51.62	51.62	51.62
105.0	83.52	85.26	86.42	88.74	90.48	91.06	91.64	91.64	91.64
110.0	128.76	131.66	135.14	137.46	138.62	139.78	139.78	140.36	140.36
115.0	184.44	187.92	190.82	193.14	194.30	196.04	196.62	197.20	197.20
120.0	246.50	249.98	252.88	255.78	258.10	259.84	261.00	261.58	261.58
125.0	313.20	316.68	320.74	323.64	326.54	328.86	330.60	331.18	331.76
130.0	382.80	386.28	390.34	393.82	396.72	399.62	401.36	402.52	402.52
135.0	451.24	454.72	458.78	462.26	465.16	468.06	469.80	470.96	470.96
140.0	515.62	519.10	522.58	525.48	528.38	530.12	531.86	533.02	533.02
145.0	573.62	576.52	578.84	581.74	583.48	585.22	586.38	587.54	587.54
150.0	622.92	625.24	626.98	629.30	630.46	631.62	632.78	633.36	633.36
155.0	664.10	665.84	667.00	668.16	669.32	669.90	670.48	671.06	671.06
160.0	697.16	698.32	698.90	699.48	700.06	700.64	700.64	701.22	701.22
165.0	721.52	722.10	722.68	722.68	723.26	723.26	723.26	723.84	723.84
170.0	738.92	738.92	738.92	739.50	739.50	739.50	739.50	739.50	739.50
175.0	748.20	748.78	748.20	748.20	748.20	748.20	748.78	748.78	748.78
180.0	751.10	751.10	751.10	751.10	751.10	751.10	751.10	751.10	751.10

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_35_U1S2_BL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	236.10	N.A.	8.40
0-30	462.94	N.A.	16.50
0-40	654.70	N.A.	23.40
0-60	879.02	N.A.	31.40
0-80	945.61	N.A.	33.70
0-90	953.34	N.A.	34.00
10-90	899.65	N.A.	32.10
20-40	418.60	N.A.	14.90
20-50	575.42	N.A.	20.50
40-70	271.26	N.A.	9.70
60-80	66.59	N.A.	2.40
70-80	19.66	N.A.	0.70
80-90	7.73	N.A.	0.30
90-110	111.39	N.A.	4.00
90-120	290.92	N.A.	10.40
90-130	567.55	N.A.	20.30
90-150	1269.21	N.A.	45.30
90-180	1848.73	N.A.	66.00
110-180	1737.34	N.A.	62.00
0-180	2802.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	53.69
10-20	182.41
20-30	226.84
30-40	191.76
40-50	156.82
50-60	67.50
60-70	46.94
70-80	19.66
80-90	7.73
90-100	23.18
100-110	88.21
110-120	179.53
120-130	276.63
130-140	345.20
140-150	356.46
150-160	304.99
160-170	203.41
170-180	71.12

IES INDOOR REPORT

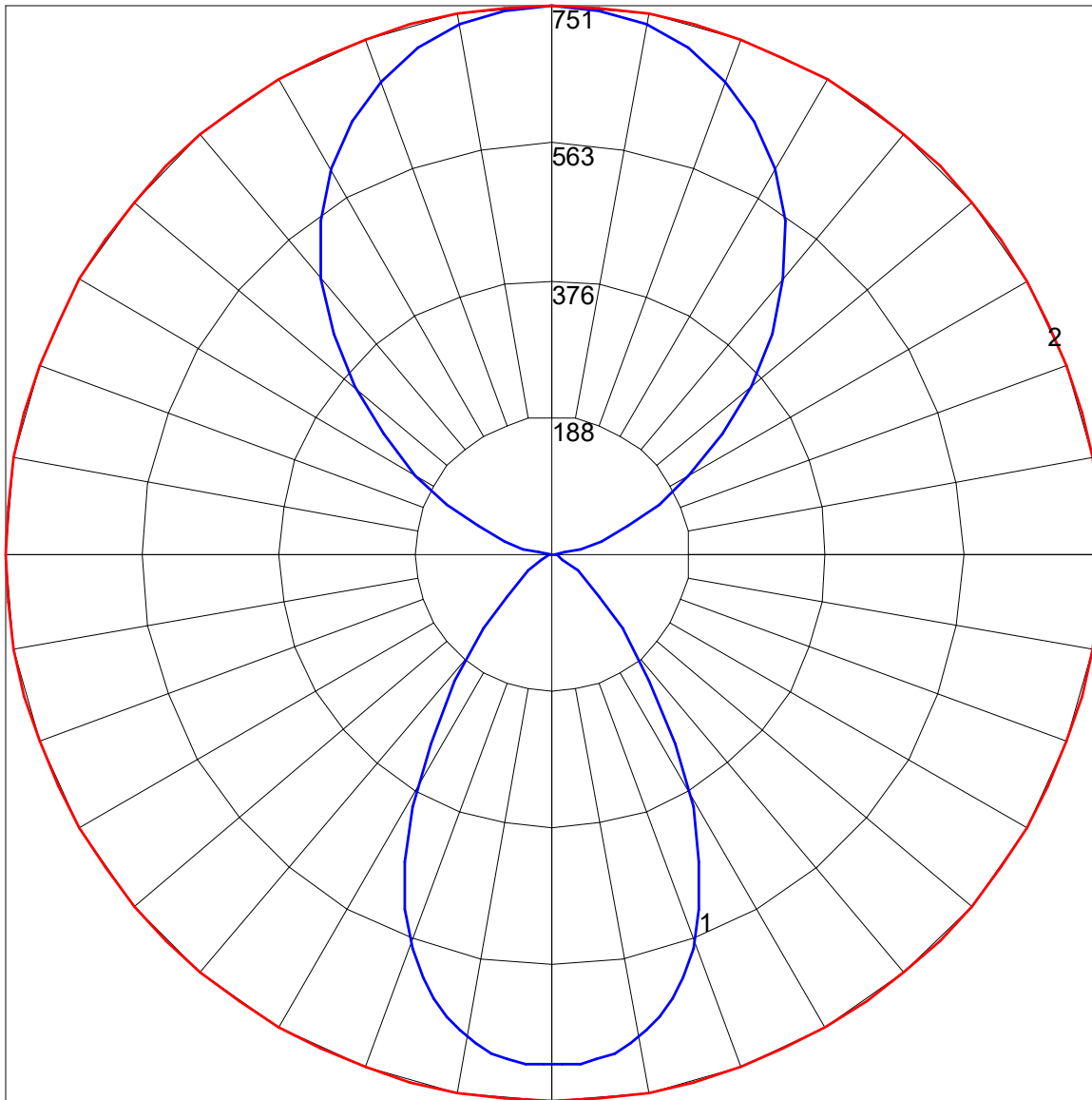
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_35_U1S2_BL.IES

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	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	95	91	88	85	86	83	80	77	66	65	63	52	50	49	38	37	37	30
2	87	81	75	71	79	73	69	65	59	56	54	46	44	43	35	33	32	27
3	80	72	65	60	72	65	60	55	53	49	46	42	39	37	32	30	29	24
4	74	64	57	52	67	59	52	48	48	44	40	38	35	33	29	27	26	22
5	68	58	50	45	62	53	46	42	43	39	35	35	32	29	27	25	23	20
6	63	52	45	39	57	48	41	37	40	35	31	32	29	26	25	22	21	18
7	59	47	40	35	53	43	37	33	36	31	28	29	26	23	23	21	19	16
8	55	43	36	31	49	40	33	29	33	28	25	27	24	21	21	19	17	15
9	51	40	33	28	46	36	30	26	31	26	23	25	22	19	20	18	16	14
10	48	36	30	25	43	34	28	24	28	24	21	23	20	18	18	16	15	13

POLAR GRAPH



Maximum Candela = 751.1 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.)