

## IES Report

BoxRail® | 207 | Wide Batwing, up | Black Baffle, down | 80 CRI | LO

207-BX-XX-4-48-XX-XX-XX-XX-X-X-Z-LO-35-G1BB-X-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	66	68	69	69
Total Lumens, 4' rail length (1219mm)	1876	1935	1975	1975
Lumens per foot (305mm)	469	484	494	494
Lumens per foot UP (305mm)	345	356	363	363
Lumens per foot DOWN (305mm)	124	128	131	131
Input Power (W), 4' rail length (1219mm)	28.8	28.8	28.8	28.8
Watts per foot (305mm)	7.2	7.2	7.2	7.2
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\_207\_BX\_LO\_35\_G1BB\_BL.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010915 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 12/23/2019

[MANUFAC] Vode Lighting

[LUMCAT] 207-BX-48-Z-LO-35-G1BB-BL

[LUMINAIRE] BoxRail LED, 48", 3500K, 80 CRI, zipper board, wide batwing lens up,

[MORE] black baffle w/clear 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	1975
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	28.76
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)	0.08 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.09 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	246	837	647
55	169	189	296
65	122	67	132
75	58	56	139
85	81	65	178

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_207\_BX\_LO\_35\_G1BB\_BL.IES**

**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>	620.60	620.60	620.60	620.60	620.60	620.60	620.60	620.60	620.60	620.60
<b>5</b>	617.70	613.64	609.58	606.10	602.04	597.98	594.50	591.02	588.12	585.22
<b>10</b>	610.74	602.62	594.50	586.96	579.42	571.88	565.50	553.90	542.88	533.02
<b>15</b>	598.56	585.80	574.20	563.18	550.42	531.86	513.88	497.64	482.56	468.06
<b>20</b>	581.74	565.50	550.42	533.02	508.08	483.72	459.94	436.74	415.28	395.56
<b>25</b>	559.70	541.14	523.16	493.58	463.42	432.68	402.52	373.52	346.84	322.48
<b>30</b>	531.86	509.24	484.30	447.76	411.80	376.42	342.20	309.14	276.66	243.60
<b>35</b>	498.80	474.44	440.22	398.46	355.54	314.36	276.66	236.06	196.62	160.08
<b>40</b>	319.58	299.86	272.60	247.08	232.00	226.20	198.94	156.60	117.74	82.94
<b>45</b>	11.02	22.62	48.14	66.12	70.18	60.32	74.24	70.18	50.46	31.90
<b>50</b>	8.70	8.70	8.12	8.12	7.54	11.02	11.02	13.34	15.08	15.66
<b>55</b>	7.54	7.54	6.96	6.38	5.22	5.22	4.64	5.22	5.80	6.96
<b>60</b>	6.96	6.38	5.80	5.22	4.64	4.06	3.48	2.90	2.90	3.48
<b>65</b>	5.22	5.22	4.64	4.06	3.48	3.48	2.90	2.32	2.32	2.32
<b>70</b>	3.48	3.48	3.48	3.48	2.90	2.90	2.32	2.32	1.74	1.74
<b>75</b>	2.32	2.32	2.90	2.32	2.32	2.32	2.32	1.74	1.74	1.74
<b>80</b>	2.90	2.90	2.90	2.90	2.32	2.32	2.32	1.74	1.74	1.16
<b>85</b>	2.90	2.90	2.90	2.90	2.90	2.90	2.32	2.32	2.32	1.74
<b>90</b>	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32
<b>95</b>	4.64	8.12	6.96	7.54	8.70	11.02	12.76	20.88	23.78	27.26
<b>100</b>	31.90	34.80	37.12	41.18	47.56	55.68	65.54	77.72	88.16	93.96
<b>105</b>	91.64	90.48	99.76	108.46	118.32	136.30	153.70	164.72	182.70	181.54
<b>110</b>	220.98	223.88	235.48	237.22	272.60	291.74	314.94	330.02	312.04	266.22
<b>115</b>	477.92	475.02	461.68	468.64	469.80	484.30	455.88	419.34	364.82	293.48
<b>120</b>	665.26	657.14	635.10	606.68	589.28	539.98	492.42	429.20	361.34	298.12
<b>125</b>	663.52	657.14	639.16	610.16	572.46	522.58	467.48	411.80	355.54	303.92
<b>130</b>	591.60	586.96	573.04	550.42	518.52	480.82	439.64	395.56	353.22	313.78
<b>135</b>	530.70	527.22	516.78	499.38	476.18	446.60	417.02	383.96	352.06	320.74
<b>140</b>	485.46	481.98	473.86	461.10	444.28	423.40	399.62	374.68	348.58	322.48
<b>145</b>	447.18	444.86	437.90	428.04	414.12	397.88	379.32	357.86	336.40	314.36
<b>150</b>	404.84	403.10	398.46	389.76	378.74	365.98	350.90	334.08	316.68	298.70
<b>155</b>	357.86	356.12	353.22	347.42	339.88	330.60	319.00	306.24	294.64	282.46
<b>160</b>	315.52	314.36	312.62	309.14	304.50	298.70	292.32	284.20	275.50	268.54
<b>165</b>	283.62	283.04	281.88	280.72	278.40	275.50	272.02	267.96	263.90	258.68
<b>170</b>	263.32	263.32	262.74	262.16	261.00	259.84	258.68	256.94	255.20	252.88
<b>175</b>	251.72	251.72	251.14	251.14	251.14	250.56	250.56	249.98	249.98	249.40
<b>180</b>	247.66	247.66	247.66	247.66	247.66	247.66	247.66	247.66	247.66	247.66

**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>	620.60	620.60	620.60	620.60	620.60	620.60	620.60	620.60	620.60
<b>5</b>	582.32	580.00	577.68	575.94	574.78	573.62	572.46	572.46	572.46
<b>10</b>	523.74	515.62	508.66	502.28	496.48	492.42	488.94	486.62	486.62
<b>15</b>	454.14	440.80	429.78	419.92	411.80	405.42	400.20	397.30	396.72
<b>20</b>	377.58	361.92	348.00	334.66	324.22	316.68	309.14	303.92	302.76
<b>25</b>	299.86	277.82	257.52	240.12	225.62	214.02	205.90	199.52	198.94
<b>30</b>	212.86	186.18	162.40	142.68	127.02	113.68	104.40	97.44	96.86
<b>35</b>	126.44	95.70	80.04	67.86	55.10	45.82	40.60	38.86	40.02
<b>40</b>	62.06	44.66	36.54	31.90	27.26	23.78	22.62	21.46	20.88
<b>45</b>	28.42	23.78	20.88	18.56	16.82	15.66	14.50	13.92	13.92
<b>50</b>	16.24	14.50	13.34	12.18	11.02	9.86	9.28	8.70	8.70
<b>55</b>	8.12	8.12	7.54	6.96	6.38	5.80	5.22	5.22	5.22
<b>60</b>	3.48	4.06	4.06	4.06	3.48	3.48	2.90	2.90	2.90

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_207\_BX\_LO\_35\_G1BB\_BL.IES**

**CANDELA TABULATION - (Cont.)**

<b>65</b>	1.74	2.32	2.32	2.32	2.32	1.74	1.74	1.74	1.74
<b>70</b>	1.74	1.74	1.16	1.16	1.16	1.16	1.16	1.16	1.16
<b>75</b>	1.16	1.16	1.16	1.16	1.16	1.16	0.58	0.58	1.16
<b>80</b>	1.16	1.16	1.16	0.58	0.58	0.58	0.58	0.58	0.58
<b>85</b>	1.74	1.74	1.16	1.16	0.58	0.58	0.58	0.58	0.58
<b>90</b>	1.74	1.74	1.74	1.16	1.16	1.16	0.58	0.58	1.16
<b>95</b>	33.64	30.74	23.78	19.14	14.50	13.92	16.82	16.82	16.24
<b>100</b>	91.64	77.14	61.48	48.14	42.92	41.76	42.34	44.08	43.50
<b>105</b>	162.98	127.60	95.70	74.82	66.12	64.38	64.96	66.70	67.28
<b>110</b>	210.54	157.18	121.22	100.34	91.64	91.06	93.38	96.28	98.02
<b>115</b>	229.10	179.22	146.16	127.60	119.48	118.32	121.80	124.70	127.02
<b>120</b>	243.02	199.52	170.52	155.44	147.90	146.16	147.90	151.38	153.70
<b>125</b>	261.00	225.04	198.94	183.28	174.00	169.94	169.36	171.10	172.26
<b>130</b>	277.24	247.08	224.46	208.22	196.62	188.50	184.44	182.70	182.12
<b>135</b>	291.16	265.64	243.60	226.20	212.86	201.84	193.72	188.50	185.60
<b>140</b>	296.96	274.34	252.88	234.90	219.82	207.06	198.36	192.56	189.08
<b>145</b>	292.90	272.60	253.46	236.64	222.72	211.70	202.42	197.78	194.88
<b>150</b>	281.30	265.06	249.40	237.22	225.04	216.92	209.38	205.90	203.58
<b>155</b>	269.12	257.52	247.66	237.22	229.68	223.30	218.66	216.34	214.02
<b>160</b>	261.00	253.46	245.92	240.70	235.48	230.26	228.52	226.78	225.04
<b>165</b>	254.62	250.56	247.08	243.60	239.54	238.38	236.64	235.48	234.32
<b>170</b>	251.14	248.82	247.08	245.92	244.76	244.18	243.02	242.44	241.86
<b>175</b>	249.40	248.82	248.24	248.24	247.66	247.66	247.08	246.50	246.50
<b>180</b>	247.66	247.66	247.66	247.66	247.66	247.66	247.66	247.66	247.66

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_207\_BX\_LO\_35\_G1BB\_BL.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	188.82	N.A.	9.60
0-30	346.21	N.A.	17.50
0-40	471.15	N.A.	23.90
0-60	517.20	N.A.	26.20
0-80	521.92	N.A.	26.40
0-90	523.85	N.A.	26.50
10-90	469.08	N.A.	23.80
20-40	282.33	N.A.	14.30
20-50	322.18	N.A.	16.30
40-70	48.94	N.A.	2.50
60-80	4.72	N.A.	0.20
70-80	1.83	N.A.	0.10
80-90	1.93	N.A.	0.10
90-110	152.88	N.A.	7.70
90-120	437.61	N.A.	22.20
90-130	758.00	N.A.	38.40
90-150	1221.03	N.A.	61.80
90-180	1451.13	N.A.	73.50
110-180	1298.24	N.A.	65.70
0-180	1974.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	54.77
10-20	134.04
20-30	157.39
30-40	124.94
40-50	39.85
50-60	6.21
60-70	2.89
70-80	1.83
80-90	1.93
90-100	25.33
100-110	127.56
110-120	284.73
120-130	320.39
130-140	263.65
140-150	199.37
150-160	132.22
160-170	73.97
170-180	23.91

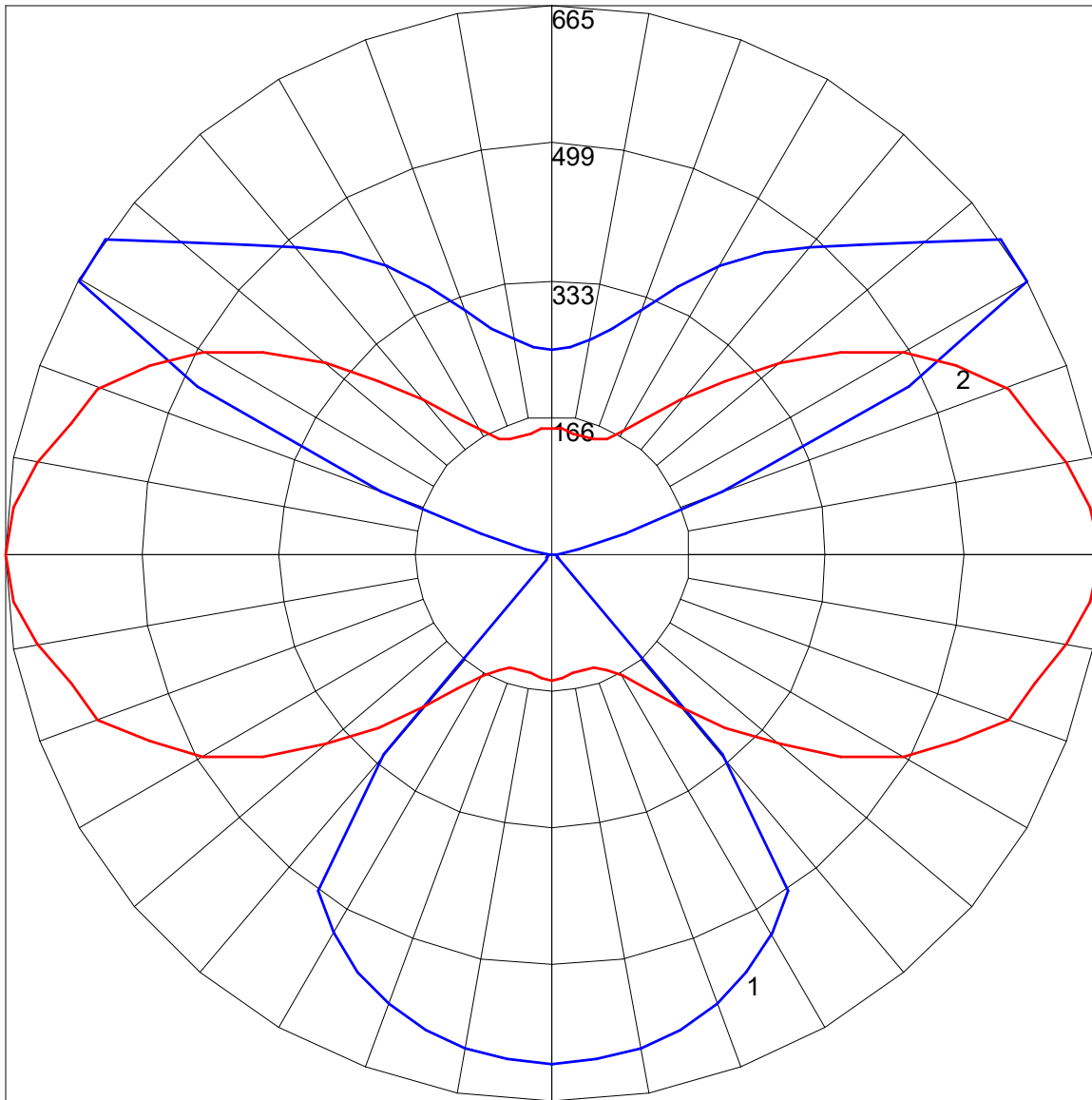
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_207\_BX\_LO\_35\_G1BB\_BL.IES**

**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	102	102	102	102	91	91	91	91	70	70	70	52	52	52	35	35	35	27
1	94	90	87	84	84	81	78	75	63	61	60	47	46	45	32	32	31	25
2	86	80	75	70	77	72	68	64	57	54	52	43	41	40	30	29	28	23
3	80	72	65	60	71	65	59	55	51	48	45	39	37	35	28	27	26	21
4	74	64	58	52	66	58	53	48	47	43	40	36	34	32	26	25	24	20
5	68	58	51	46	61	53	47	42	43	38	35	33	31	28	24	23	22	18
6	63	53	46	41	57	48	42	38	39	35	32	31	28	26	23	21	20	17
7	59	48	41	36	53	44	38	34	36	32	29	28	26	24	21	20	19	16
8	55	44	37	33	49	40	34	30	33	29	26	26	24	22	20	18	17	15
9	51	41	34	29	46	37	31	27	31	27	24	25	22	20	19	17	16	14
10	48	37	31	27	44	34	29	25	29	24	22	23	20	18	18	16	15	13

POLAR GRAPH



Maximum Candela = 665.26 Located At Horizontal Angle = 0, Vertical Angle = 120  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 2 - Horizontal Cone Through Vertical Angle (120) (Through Max. Cd.)