

IES Report

BoxRail® | 207 | Diffuse, down | 90 CRI | SO

207-BX-XX-4-48-XX-XX-XX-XX-X-X-Z-SO-359-D1-X-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	74	76	78	78
Total Lumens, 4' rail length (1219mm)	1849	1907	1946	1965
Lumens per foot (305mm)	462	477	487	491
Input Power (W), 4' rail length (1219mm)	25.3	25.3	25.3	25.3
Watts per foot (305mm)	6.4	6.4	6.4	6.4
CRI	94	94	94	94

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_SO_359_D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010902 (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-SO-359-D1

[LUMINAIRE] BoxRail LED, 48", 3500K, 90 CRI, zipper board,

[MORE] diffuse lens down, standard 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	1946
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	25.26
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
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	10298	12118	21518
55	7904	9666	19747
65	5155	6795	18745
75	2424	3374	16036
85	413	791	11054

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_207_BX_SO_359_D1.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>
0	711.67	711.67	711.67	711.67	711.67	711.67	711.67	711.67	711.67	711.67
5	708.15	707.85	707.56	707.35	707.15	706.98	706.85	706.75	706.69	706.67
10	698.09	697.49	697.12	696.88	696.81	696.90	697.15	696.58	696.24	696.12
15	681.49	680.72	680.51	680.60	680.74	679.94	679.59	679.69	680.24	680.26
20	658.27	657.27	657.38	657.55	656.73	656.68	657.01	656.69	657.17	657.11
25	628.77	628.00	628.41	627.69	627.69	627.49	627.43	628.55	627.35	626.88
30	594.06	593.27	593.40	592.89	592.82	592.79	593.02	592.57	592.45	592.14
35	553.74	553.07	552.80	553.11	552.80	553.02	553.45	552.40	552.52	552.43
40	509.40	508.88	508.26	508.07	508.32	508.59	508.16	508.45	509.09	509.18
45	460.45	460.38	460.05	459.92	459.73	460.08	459.95	460.90	460.63	461.88
50	408.06	407.50	407.32	407.43	407.76	408.18	408.42	409.41	409.28	409.85
55	351.64	351.14	351.73	351.98	350.36	348.10	349.45	351.14	353.57	356.14
60	290.37	289.72	288.17	283.79	282.46	283.18	285.59	289.41	292.66	297.03
65	221.21	220.95	213.82	211.56	213.28	214.80	219.25	222.68	228.12	234.13
70	153.32	147.79	146.14	148.02	151.65	152.92	154.29	156.60	161.56	167.53
75	97.07	91.35	96.50	97.18	96.54	96.23	95.94	96.46	100.67	104.66
80	51.97	52.86	54.02	54.02	53.89	53.87	53.94	54.32	56.98	56.17
85	14.84	19.56	18.47	18.63	18.86	19.10	18.69	19.70	20.45	21.07
90	6.89	6.96	6.87	6.79	6.58	6.41	6.16	5.83	5.49	5.07

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	711.67	711.67	711.67	711.67	711.67	711.67	711.67	711.67	711.67
5	706.68	706.73	706.82	706.94	707.10	707.30	707.49	707.77	708.06
10	696.19	696.47	696.92	696.61	696.46	696.48	696.66	696.96	697.50
15	679.92	679.31	679.13	679.39	680.15	679.81	679.85	680.18	681.07
20	656.61	656.10	656.19	655.38	655.27	655.91	655.38	655.35	656.34
25	627.49	626.88	625.96	626.09	625.55	625.82	626.15	625.54	626.42
30	591.97	592.02	591.99	591.30	591.80	591.32	592.05	591.32	592.55
35	552.36	553.07	552.69	552.59	552.39	552.37	552.58	552.29	552.90
40	509.25	509.44	509.33	508.91	508.75	509.60	509.38	509.08	509.06
45	461.28	462.13	462.59	462.08	462.34	463.27	463.24	463.16	462.96
50	410.45	411.91	412.39	412.31	412.00	412.29	412.48	412.38	412.00
55	355.10	355.16	359.17	359.79	357.00	354.11	351.42	349.14	347.87
60	299.41	302.26	303.53	304.04	303.39	303.47	304.20	304.57	305.12
65	238.91	243.14	244.93	245.80	246.79	247.22	247.03	246.60	247.11
70	174.42	181.33	185.65	187.59	188.75	189.42	189.94	189.60	190.03
75	110.56	117.79	124.19	127.82	130.98	133.02	132.17	131.96	133.87
80	57.65	61.77	67.69	70.52	79.68	81.23	81.25	80.61	79.97
85	21.36	21.85	24.08	24.84	25.92	28.17	31.85	35.13	36.04
90	4.69	4.19	3.86	3.52	3.14	2.81	2.64	2.43	2.43

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_207_BX_SO_359_D1.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	259.01	N.A.	13.30
0-30	547.94	N.A.	28.20
0-40	893.69	N.A.	45.90
0-60	1565.21	N.A.	80.40
0-80	1914.75	N.A.	98.40
0-90	1945.77	N.A.	100.00
10-90	1878.59	N.A.	96.50
20-40	634.68	N.A.	32.60
20-50	990.43	N.A.	50.90
40-70	901.20	N.A.	46.30
60-80	349.54	N.A.	18.00
70-80	119.87	N.A.	6.20
80-90	31.02	N.A.	1.60
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1945.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	67.18
10-20	191.83
20-30	288.93
30-40	345.75
40-50	355.75
50-60	315.77
60-70	229.68
70-80	119.87
80-90	31.02
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

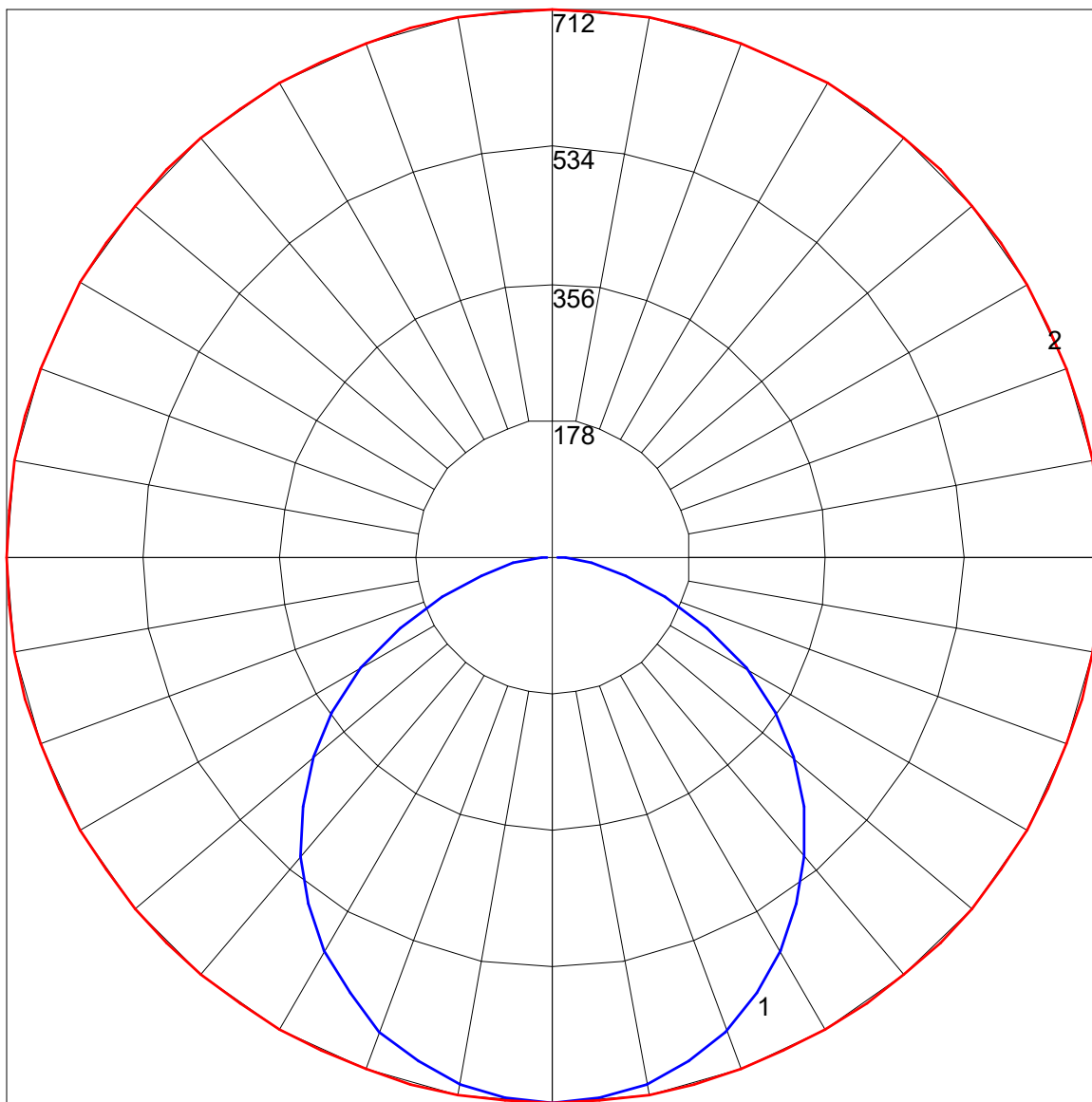
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_207_BX_SO_359_D1.IES

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	70
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 711.67 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)