

IES Report

BoxRail® | 207 | 40° Symmetric, down | 90 CRI | SO

207-BX-XX-4-48-XX-XX-XX-X-X-Z-SO-359-S1-X-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	46	47	48	49
Total Lumens, 4' rail length (1219mm)	1142	1178	1202	1214
Lumens per foot (305mm)	285	294	301	304
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_S1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010907 (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-S1

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

[MORE] 40° symmetric 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	1202
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	48
Total Luminaire Watts	25.26
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	1.08
Spacing Criterion (Diagonal)	0.86
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	2617	4696	17291
55	1708	2850	11807
65	1118	1741	8420
75	599	870	5750
85	167	225	3067

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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>
<u>0</u>	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014
<u>5</u>	976	975	975	975	976	976	977	979	980	982
<u>10</u>	868	867	869	872	877	883	891	897	905	915
<u>15</u>	711	711	716	724	734	745	759	776	796	817
<u>20</u>	543	543	551	562	575	592	613	636	662	689
<u>25</u>	394	396	403	414	428	447	468	492	522	556
<u>30</u>	282	284	290	299	312	327	344	368	399	429
<u>35</u>	203	204	209	217	227	239	252	274	297	324
<u>40</u>	151	152	156	161	168	175	188	203	219	242
<u>45</u>	117	118	120	124	128	133	142	151	165	179
<u>50</u>	94	94	96	98	100	104	109	116	125	137
<u>55</u>	76	77	77	79	80	82	85	91	97	105
<u>60</u>	62	62	62	62	62	64	67	70	74	80
<u>65</u>	48	49	48	47	48	49	51	53	56	60
<u>70</u>	35	33	34	35	35	36	38	39	41	43
<u>75</u>	24	23	24	24	23	24	24	24	26	27
<u>80</u>	15	14	15	15	15	15	15	15	15	15
<u>85</u>	6	6	6	6	5	6	5	5	6	6
<u>90</u>	6	6	5	5	5	5	5	5	4	4

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>
<u>0</u>	1014	1014	1014	1014	1014	1014	1014	1014	1014
<u>5</u>	984	986	989	991	994	997	1000	1003	1006
<u>10</u>	926	938	951	955	959	964	970	976	983
<u>15</u>	836	852	869	888	910	917	924	932	942
<u>20</u>	718	747	778	800	824	852	860	869	881
<u>25</u>	592	627	662	699	727	755	776	785	798
<u>30</u>	465	505	543	582	621	648	678	686	699
<u>35</u>	355	388	428	466	504	536	564	577	587
<u>40</u>	267	298	329	362	394	422	448	464	473
<u>45</u>	201	224	250	278	306	331	352	365	372
<u>50</u>	151	168	188	209	231	250	266	277	281
<u>55</u>	115	127	140	156	172	186	198	206	208
<u>60</u>	87	95	105	116	127	137	147	152	154
<u>65</u>	65	71	78	85	92	99	104	108	111
<u>70</u>	46	51	55	60	65	72	75	75	77
<u>75</u>	30	32	36	38	42	45	46	48	48
<u>80</u>	16	17	19	20	22	24	25	26	26
<u>85</u>	6	6	7	7	8	8	8	9	10
<u>90</u>	4	3	3	2	2	2	2	2	2

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	320.13	N.A.	26.60
0-30	584.61	N.A.	48.60
0-40	810.90	N.A.	67.50
0-60	1088.39	N.A.	90.60
0-80	1192.33	N.A.	99.20
0-90	1201.82	N.A.	100.00
10-90	1109.82	N.A.	92.30
20-40	490.77	N.A.	40.80
20-50	656.41	N.A.	54.60
40-70	346.90	N.A.	28.90
60-80	103.94	N.A.	8.60
70-80	34.53	N.A.	2.90
80-90	9.49	N.A.	0.80
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	1201.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	92.01
10-20	228.13
20-30	264.47
30-40	226.29
40-50	165.64
50-60	111.85
60-70	69.41
70-80	34.53
80-90	9.49
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

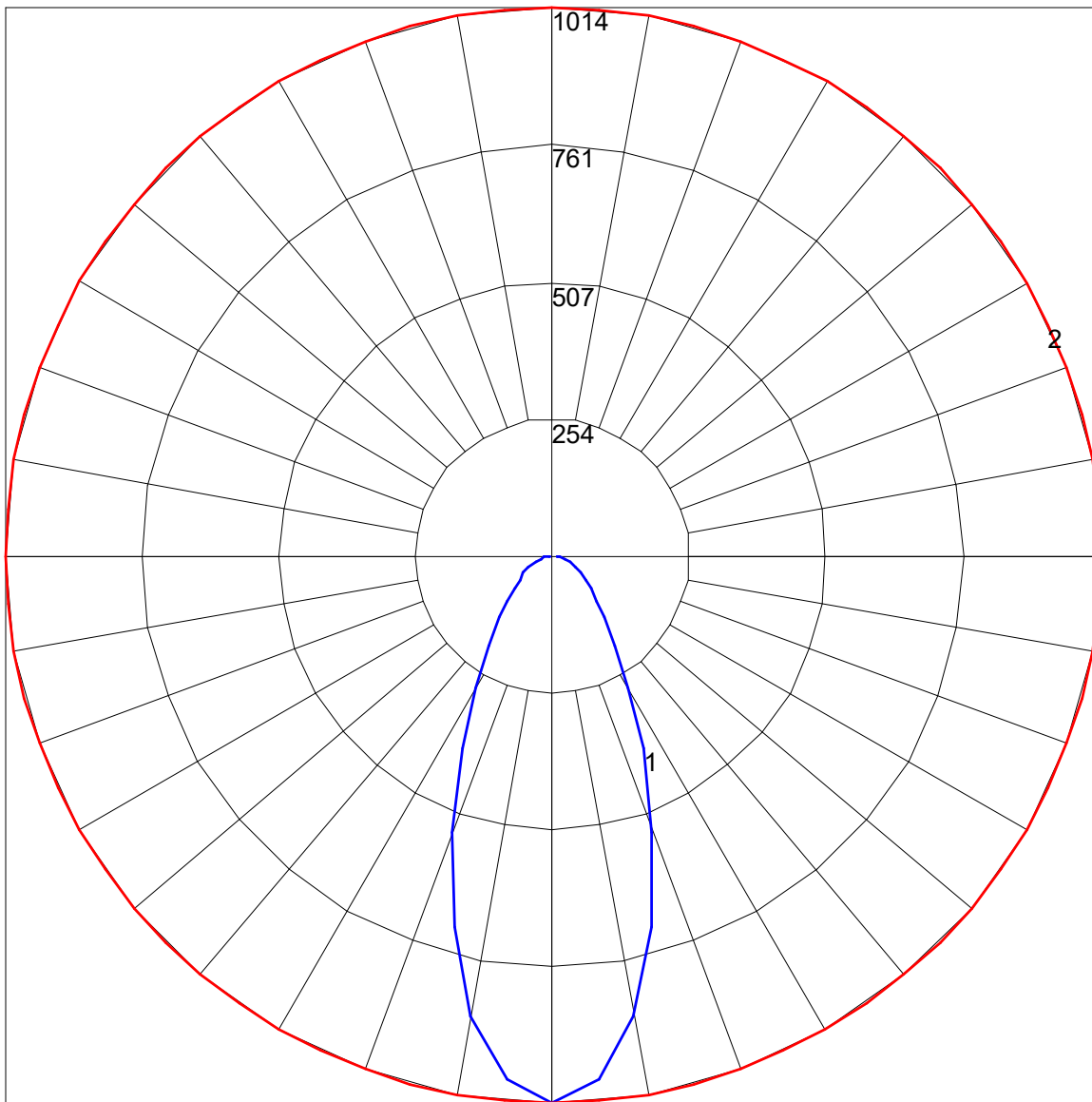
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41
10	63	51	44	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38

POLAR GRAPH



Maximum Candela = 1014 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.)