

IES Report

BoxRail® | 207 | White Baffle, down | 90 CRI | SO

207-BX-XX-4-48-XX-XX-XX-XX-X-X-Z-SO-359-WB-X-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	55	57	58	59
Total Lumens, 4' rail length (1219mm)	1386	1430	1459	1474
Lumens per foot (305mm)	347	358	365	368
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_WB_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010916 (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-WB-BL

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

[MORE] white baffle w/clear lens down, standard 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	1459
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	25.26
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	0.72
Spacing Criterion (Diagonal)	0.94
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	2438	6008	8552
55	1528	3365	6812
65	1328	1712	5158
75	300	580	3354
85	111	150	1227

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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	1243	1243	1243	1243	1243	1243	1243	1243	1243	1243
5	1240	1233	1227	1221	1215	1209	1204	1198	1194	1189
10	1227	1215	1203	1191	1180	1169	1159	1140	1122	1106
15	1204	1186	1168	1151	1132	1103	1075	1049	1024	1002
20	1170	1146	1124	1098	1058	1021	985	951	919	890
25	1128	1100	1074	1027	978	932	889	849	802	758
30	1072	1040	1002	943	887	834	781	725	672	624
35	995	958	905	840	778	716	654	593	537	480
40	586	570	549	540	541	544	498	442	390	334
45	109	131	176	220	238	241	273	272	253	229
50	75	82	94	106	119	142	158	169	171	169
55	68	73	81	90	99	110	118	121	123	124
60	64	66	69	72	76	80	83	84	86	89
65	57	55	52	51	52	53	54	56	57	59
70	31	30	30	30	30	31	31	32	34	36
75	12	12	13	13	13	14	14	15	17	18
80	5	6	5	6	6	6	6	6	6	7
85	4	4	4	4	4	4	4	4	4	4
90	4	4	4	4	4	4	4	4	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>
0	1243	1243	1243	1243	1243	1243	1243	1243	1243
5	1185	1181	1178	1175	1173	1172	1170	1170	1170
10	1092	1079	1068	1058	1049	1042	1038	1034	1034
15	981	962	945	931	920	910	902	897	896
20	860	832	808	786	768	755	742	732	730
25	718	685	656	631	609	592	580	571	570
30	580	539	498	462	433	408	389	376	375
35	422	369	342	322	306	292	283	278	277
40	299	267	253	245	238	233	229	227	225
45	219	210	204	198	193	190	187	185	184
50	168	164	160	158	156	153	151	150	150
55	125	124	123	123	122	121	120	119	120
60	92	91	93	93	93	93	93	92	92
65	62	63	67	68	68	68	69	69	68
70	38	40	42	44	46	46	47	47	47
75	19	21	23	25	27	27	28	29	28
80	8	8	9	10	11	12	13	13	13
85	4	3	3	3	3	3	3	4	4
90	3	3	3	2	2	2	1	1	2

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	397.91	N.A.	27.30
0-30	761.26	N.A.	52.20
0-40	1091.27	N.A.	74.80
0-60	1372.11	N.A.	94.00
0-80	1454.26	N.A.	99.70
0-90	1459.33	N.A.	100.00
10-90	1347.57	N.A.	92.30
20-40	693.36	N.A.	47.50
20-50	873.35	N.A.	59.80
40-70	340.80	N.A.	23.40
60-80	82.15	N.A.	5.60
70-80	22.18	N.A.	1.50
80-90	5.07	N.A.	0.30
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	1459.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	111.76
10-20	286.15
20-30	363.34
30-40	330.02
40-50	179.99
50-60	100.84
60-70	59.97
70-80	22.18
80-90	5.07
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

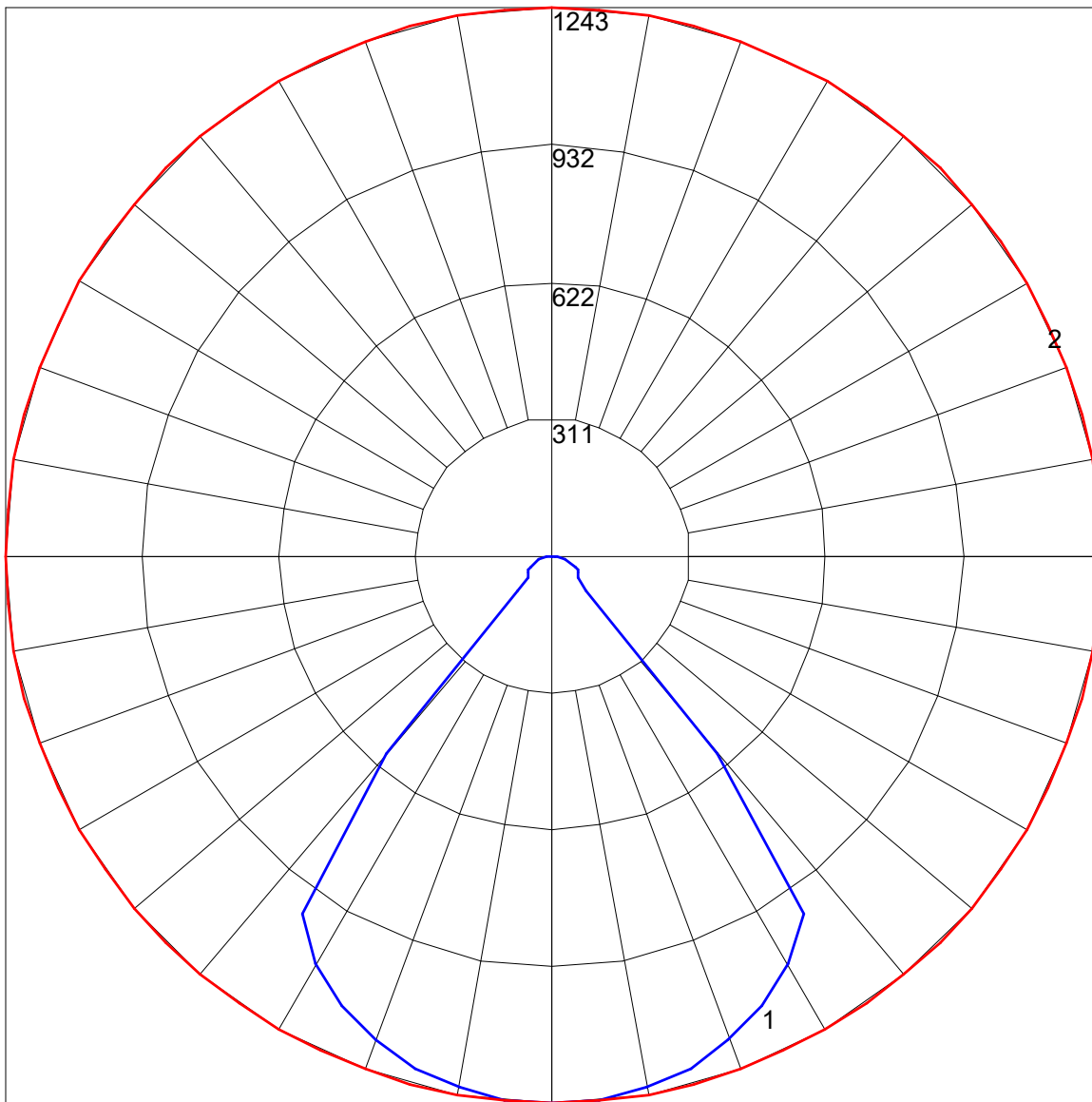
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	55
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51
8	72	61	54	49	71	60	54	49	59	53	49	58	53	49	57	52	48	47
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	49	45	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40

POLAR GRAPH



Maximum Candela = 1243 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.)