

IES Report

BoxRail[®] | 207 | Wide Batwing, up | 60° Symmetric, down | 80 CRI | HO

207-BX-XX-4-48-XX-XX-XX-XX-X-X-Z-HO-35-G1S2-X-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	70	73	74	74
Total Lumens, 4' rail length (1219mm)	7215	7442	7594	7594
Lumens per foot (305mm)	1804	1861	1899	1899
Lumens per foot UP (305mm)	1269	1309	1336	1336
Lumens per foot DOWN (305mm)	534	551	563	563
Input Power (W), 4' rail length (1219mm)	103.1	103.1	103.1	103.1
Watts per foot (305mm)	25.8	25.8	25.8	25.8
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_HO_35_G1S2_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010912 (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-HO-35-G1S2-BL

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

[MORE] 60° symmetric lens down, high 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	7580
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	103.13
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	3374	7849	31140
55	1505	3531	19136
65	743	1652	11290
75	355	730	6936
85	241	298	3111

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_207_BX_HO_35_G1S2_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>
0	2146.936	2146.936	2146.936	2146.936	2146.936	2146.936	2146.936	2146.936	2146.936	2146.936
5	2077.240	2075.854	2075.062	2074.644	2074.886	2075.678	2077.020	2078.912	2081.332	2084.258
10	1867.360	1865.358	1867.558	1872.464	1880.516	1891.648	1905.728	1917.212	1931.864	1949.332
15	1559.580	1557.556	1565.564	1579.204	1598.080	1616.824	1642.322	1674.354	1712.612	1751.266
20	1202.366	1200.210	1214.708	1235.498	1259.324	1293.226	1334.850	1378.586	1430.528	1482.140
25	860.838	862.686	878.196	899.206	930.930	969.078	1013.320	1066.318	1123.320	1189.298
30	578.314	581.086	595.716	617.540	647.460	682.946	723.228	774.642	838.794	903.034
35	373.252	375.848	387.112	406.252	429.132	456.324	488.576	539.550	590.920	652.388
40	236.412	238.744	247.060	260.326	276.958	294.866	324.302	360.514	399.630	454.366
45	150.854	152.504	158.598	167.266	177.342	188.760	212.234	233.068	267.586	299.156
50	98.472	99.792	103.598	109.120	115.148	125.312	138.600	154.396	173.910	198.924
55	66.946	67.650	70.158	73.348	76.406	83.644	89.870	101.398	114.466	130.108
60	45.562	45.914	47.454	49.522	51.898	55.682	60.302	66.044	75.548	86.878
65	31.900	32.142	32.560	33.946	35.904	37.356	40.524	44.418	49.808	56.936
70	21.032	20.966	22.418	23.298	24.706	25.916	27.170	29.370	32.714	37.136
75	14.212	14.520	16.170	16.148	16.522	17.270	18.062	18.986	20.592	22.660
80	11.242	11.858	12.210	11.968	12.100	12.232	12.430	12.760	12.848	13.354
85	8.668	9.372	9.086	8.822	8.536	8.536	7.920	7.876	7.920	7.942
90	9.086	9.306	9.306	9.218	9.042	8.756	8.580	8.206	7.568	7.018
95	30.624	42.570	40.128	42.152	45.408	50.468	53.548	65.252	78.760	79.420
100	152.328	159.478	167.442	179.476	190.146	204.996	220.220	238.128	256.784	262.086
105	385.418	359.898	387.200	401.170	416.460	439.868	460.790	477.158	497.002	493.262
110	748.902	729.608	736.098	748.396	784.300	790.174	810.348	815.914	791.186	753.038
115	1267.112	1261.634	1212.970	1189.518	1182.170	1175.328	1146.244	1104.554	1050.016	977.416
120	1646.810	1636.184	1610.114	1566.928	1529.726	1473.054	1415.282	1349.480	1247.730	1137.422
125	1890.790	1877.788	1851.102	1810.666	1765.170	1681.350	1607.540	1495.824	1383.294	1253.956
130	1989.262	1977.558	1945.504	1897.346	1838.892	1762.838	1668.326	1558.040	1434.422	1308.472
135	1978.020	1968.120	1937.144	1888.788	1825.692	1750.562	1653.872	1551.660	1437.150	1322.860
140	1892.814	1882.672	1855.502	1812.448	1755.864	1687.554	1603.514	1511.796	1414.028	1315.732
145	1768.888	1760.440	1738.484	1704.208	1656.028	1597.992	1530.980	1454.882	1375.198	1293.842
150	1631.124	1624.216	1608.552	1580.832	1544.136	1498.442	1445.026	1386.726	1326.974	1261.612
155	1493.184	1487.926	1477.564	1457.104	1431.056	1398.078	1359.358	1317.360	1273.250	1228.700
160	1367.058	1364.154	1355.948	1344.464	1326.292	1305.304	1280.994	1251.668	1220.406	1192.994
165	1261.194	1259.236	1254.264	1248.104	1239.612	1226.896	1212.750	1197.306	1180.696	1161.446
170	1183.006	1181.774	1179.288	1176.362	1172.754	1168.508	1163.646	1156.276	1148.576	1140.546
175	1135.068	1134.562	1134.078	1133.000	1132.098	1131.108	1130.030	1128.886	1127.654	1126.378
180	1119.800	1119.800	1119.800	1119.800	1119.800	1119.800	1119.800	1119.800	1119.800	1119.800

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	2146.936	2146.936	2146.936	2146.936	2146.936	2146.936	2146.936	2146.936	2146.936
5	2087.668	2091.518	2095.808	2100.494	2105.554	2110.922	2116.510	2122.428	2128.500
10	1969.462	1992.100	2016.586	2022.680	2029.984	2038.410	2047.892	2058.232	2069.848
15	1785.586	1813.394	1845.228	1880.846	1922.184	1931.380	1942.974	1956.372	1972.850
20	1534.808	1589.808	1647.800	1687.290	1731.752	1783.078	1795.750	1811.986	1833.986
25	1262.800	1329.196	1393.832	1464.914	1515.734	1568.072	1608.222	1623.050	1646.810
30	976.888	1055.824	1132.032	1204.984	1280.994	1331.726	1388.992	1401.642	1426.260
35	722.810	795.410	871.948	947.298	1018.380	1078.154	1131.130	1153.416	1172.138
40	506.462	563.464	628.826	700.546	761.970	821.700	866.888	897.424	920.216
45	345.532	391.006	446.710	500.302	554.664	607.376	639.342	659.142	669.966
50	226.930	262.768	303.490	346.566	390.478	427.966	456.918	476.982	485.188
55	152.900	177.078	203.302	233.596	264.770	291.632	313.060	328.636	337.106
60	100.914	115.984	138.050	157.036	179.300	200.024	214.588	222.420	226.468

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_207_BX_HO_35_G1S2_BL.IES

CANDELA TABULATION - (Cont.)

65	66.242	77.330	89.826	103.246	116.930	129.426	139.898	145.948	148.830
70	42.614	49.742	58.212	66.946	74.800	82.764	90.112	94.226	96.074
75	25.718	29.876	34.914	39.908	45.386	49.962	53.900	56.298	57.904
80	14.388	15.752	18.040	19.888	22.308	25.520	27.918	29.040	29.502
85	7.392	6.996	7.656	8.646	8.404	8.602	9.614	10.538	10.142
90	6.270	5.632	5.082	4.510	3.960	3.498	2.948	2.684	2.772
95	84.722	89.518	86.438	79.948	69.190	66.858	67.408	71.038	72.666
100	259.512	255.112	235.752	210.276	189.530	178.376	173.734	168.784	168.190
105	479.864	439.604	393.316	342.320	305.492	278.124	258.148	247.654	247.302
110	690.404	617.078	540.452	471.592	417.890	380.292	356.840	344.762	339.878
115	875.050	763.708	670.186	588.874	524.216	478.302	450.692	434.786	429.132
120	1019.700	894.564	782.694	691.438	622.182	572.462	539.836	521.950	518.012
125	1115.818	987.778	871.816	772.772	704.000	654.610	620.532	601.172	595.100
130	1178.122	1055.516	946.858	851.290	775.390	728.112	695.574	675.158	667.216
135	1207.668	1099.582	1001.154	917.708	847.792	794.640	761.420	742.324	736.912
140	1216.864	1126.444	1041.766	965.932	906.730	858.066	826.936	807.510	797.588
145	1213.674	1137.950	1068.782	1006.412	955.416	915.376	885.500	870.936	863.236
150	1200.386	1142.020	1085.634	1039.434	995.676	967.010	940.610	930.204	922.988
155	1183.204	1139.820	1100.264	1061.764	1034.616	1010.350	992.222	983.114	976.470
160	1164.548	1134.386	1104.928	1084.490	1064.756	1045.616	1037.520	1030.502	1025.156
165	1143.670	1129.216	1114.784	1100.462	1086.184	1079.716	1074.106	1068.870	1064.624
170	1132.208	1123.672	1115.158	1111.264	1107.634	1104.180	1100.946	1097.888	1095.226
175	1125.058	1123.672	1122.264	1120.856	1119.426	1117.996	1116.522	1115.180	1113.860
180	1119.800	1119.800	1119.800	1119.800	1119.800	1119.800	1119.800	1119.800	1119.800

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_207_BX_HO_35_G1S2_BL.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	683.20	N.A.	9.00
0-30	1242.86	N.A.	16.40
0-40	1691.86	N.A.	22.30
0-60	2126.68	N.A.	28.10
0-80	2235.04	N.A.	29.50
0-90	2246.08	N.A.	29.60
10-90	2050.62	N.A.	27.10
20-40	1008.65	N.A.	13.30
20-50	1290.45	N.A.	17.00
40-70	510.48	N.A.	6.70
60-80	108.36	N.A.	1.40
70-80	32.71	N.A.	0.40
80-90	11.04	N.A.	0.10
90-110	518.18	N.A.	6.80
90-120	1382.76	N.A.	18.20
90-130	2476.74	N.A.	32.70
90-150	4324.45	N.A.	57.00
90-180	5334.36	N.A.	70.40
110-180	4816.18	N.A.	63.50
0-180	7580.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	195.45
10-20	487.75
20-30	559.66
30-40	448.99
40-50	281.79
50-60	153.03
60-70	75.65
70-80	32.71
80-90	11.04
90-100	93.09
100-110	425.09
110-120	864.58
120-130	1093.97
130-140	1029.13
140-150	818.58
150-160	571.04
160-170	330.97
170-180	107.90

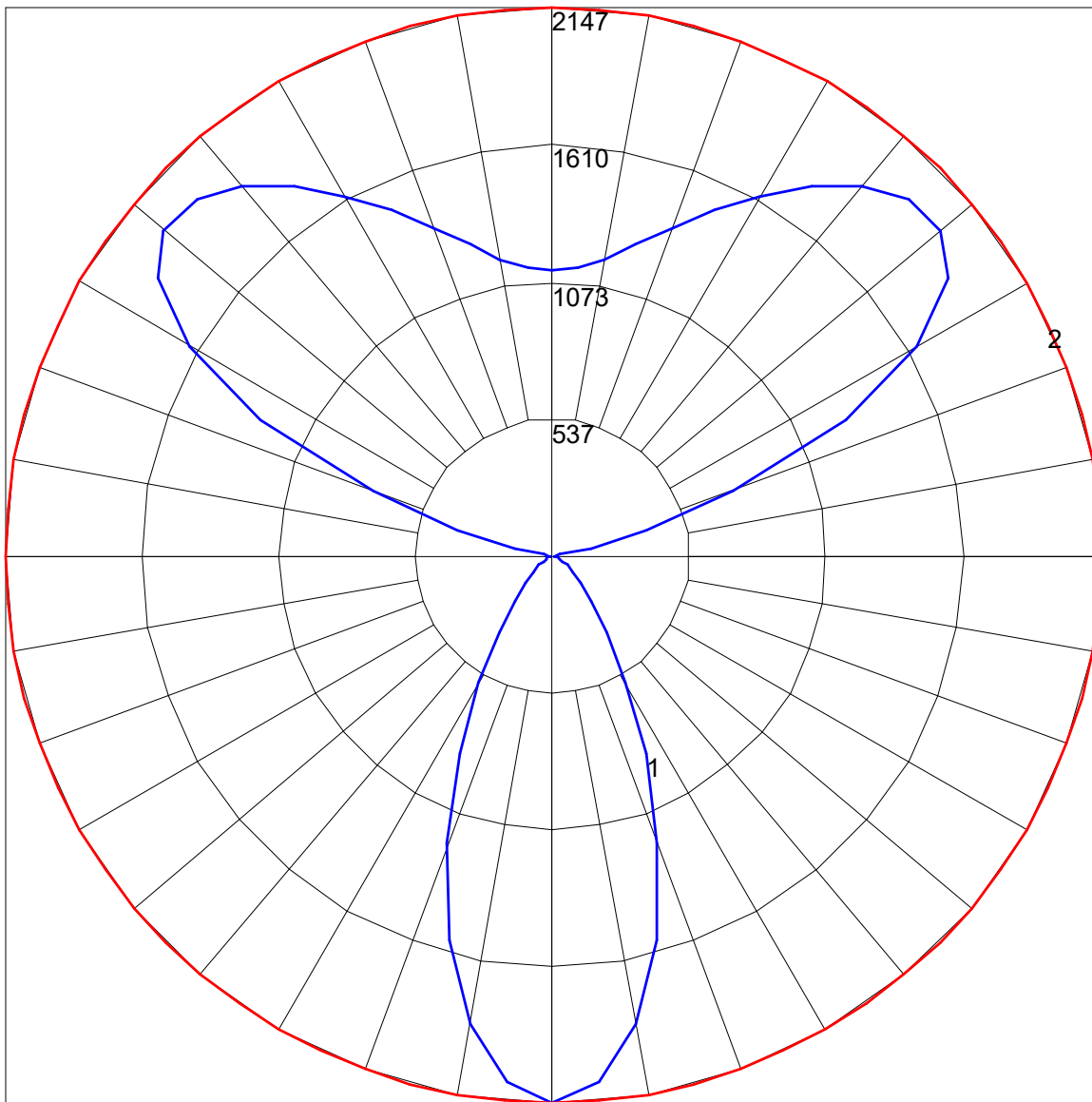
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_207_BX_HO_35_G1S2_BL.IES

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	92	92	92	92	72	72	72	54	54	54	37	37	37	30
1	94	90	87	84	84	81	79	76	64	63	61	49	48	47	35	34	33	27
2	87	80	75	70	78	72	68	64	58	55	52	44	42	41	32	31	30	24
3	80	71	65	60	72	65	59	55	52	48	45	40	38	36	29	28	27	22
4	73	64	57	52	66	58	52	48	47	43	39	37	34	32	27	25	24	20
5	68	58	50	45	61	52	46	42	43	38	35	33	31	28	25	23	22	18
6	63	52	45	40	57	48	41	37	39	34	31	31	28	25	23	21	20	17
7	58	47	40	35	53	43	37	33	36	31	28	28	25	23	21	20	18	15
8	54	43	36	32	49	40	34	29	33	28	25	26	23	21	20	18	17	14
9	51	40	33	28	46	36	31	27	30	26	23	24	21	19	19	17	16	13
10	48	37	30	26	43	34	28	24	28	24	21	23	20	18	18	16	14	12

POLAR GRAPH



Maximum Candela = 2146.936 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.)