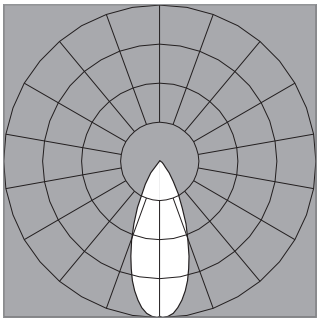

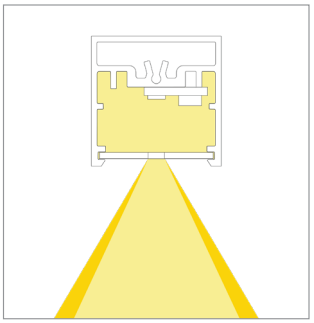

IES Report

BoxRail® | 107 | 40° Symmetric | 90 CRI | HO

107-BX-XX-4-48-XX-XX-XX-XX-X-X-Z-HO-359-S1-X-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	41	43	44	44
Total Lumens, 4’ rail length (1219mm)	2015	2078	2121	2163
Lumens per foot (305mm)	504	520	530	541
Input Power (W), 4’ rail length (1219mm)	49.2	49.2	49.2	49.2
Watts per foot (305mm)	12.4	12.4	12.4	12.4
CRI	96	96	96	96

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_107_BX_HO_359_S1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L071704208 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
[ISSUEDATE] 11/1/2017
[MANUFAC] Vode Lighting
[LUMCAT] 107-BX-48-Z-HO-359-S1-AL/WH
[LUMINAIRE] BoxRail LED, 48", 3500K, 90 CRI, zipper board,
[MORE] 40° white symmetric lens, high output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2123
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	43
Total Luminaire Watts	49.22
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	0.86
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.02 ft
Luminous Width (90-270)	3.85 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	35060	56900	150202
55	26453	38262	99198
65	23080	29491	65392
75	20937	24077	45014
85	0	6217	24870

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_107_BX_HO_359_S1.IES

CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0.0	1747.94	1747.94	1747.94	1747.94	1747.94	1747.94	1747.94	1747.94	1747.94	1747.94
1.0	1678.10	1676.16	1674.22	1685.86	1716.90	1746.00	1759.58	1761.52	1763.46	1765.40
3.0	1664.52	1664.52	1662.58	1678.10	1709.14	1736.30	1747.94	1749.88	1753.76	1755.70
5.0	1635.42	1635.42	1635.42	1650.94	1685.86	1711.08	1720.78	1724.66	1730.48	1734.36
7.0	1579.16	1579.16	1581.10	1596.62	1633.48	1664.52	1670.34	1678.10	1687.80	1699.44
9.0	1511.26	1511.26	1513.20	1528.72	1565.58	1598.56	1606.32	1617.96	1633.48	1649.00
11.0	1437.54	1437.54	1437.54	1453.06	1493.80	1519.02	1528.72	1546.18	1567.52	1590.80
13.0	1338.60	1340.54	1344.42	1363.82	1402.62	1431.72	1443.36	1466.64	1495.74	1526.78
15.0	1237.72	1239.66	1247.42	1268.76	1307.56	1334.72	1344.42	1371.58	1408.44	1445.30
17.0	1129.08	1131.02	1136.84	1167.88	1206.68	1228.02	1239.66	1272.64	1315.32	1358.00
19.5	983.58	987.46	1001.04	1035.96	1070.88	1088.34	1103.86	1148.48	1196.98	1249.36
22.5	824.50	828.38	841.96	871.06	902.10	921.50	938.96	987.46	1045.66	1109.68
25.5	675.12	679.00	692.58	717.80	743.02	758.54	781.82	834.20	892.40	960.30
29.0	521.86	525.74	537.38	558.72	585.88	599.46	620.80	665.42	725.56	791.52
33.0	386.06	388.00	397.70	415.16	438.44	453.96	469.48	510.22	562.60	624.68
37.5	279.36	281.30	289.06	300.70	314.28	323.98	339.50	374.42	417.10	467.54
42.5	201.76	203.70	207.58	215.34	225.04	234.74	244.44	265.78	294.88	333.68
47.5	153.26	155.20	157.14	162.96	168.78	174.60	182.36	195.94	217.28	242.50
55.0	108.64	108.64	110.58	112.52	116.40	120.28	124.16	133.86	143.56	157.14
65.0	69.84	69.84	69.84	71.78	73.72	73.72	75.66	79.54	83.42	89.24
75.0	38.80	38.80	38.80	38.80	38.80	40.74	40.74	42.68	42.68	44.62
85.0	0.00	0.00	0.00	0.00	0.00	0.00	1.94	1.94	1.94	3.88
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	**Horizontal Angles**								
	50	55	60	65	70	75	80	85	90
0.0	1747.94	1747.94	1747.94	1747.94	1747.94	1747.94	1747.94	1747.94	1747.94
1.0	1765.40	1767.34	1769.28	1771.22	1773.16	1775.10	1775.10	1775.10	1778.98
3.0	1757.64	1761.52	1767.34	1769.28	1771.22	1777.04	1778.98	1775.10	1775.10
5.0	1742.12	1746.00	1751.82	1757.64	1763.46	1767.34	1775.10	1771.22	1771.22
7.0	1709.14	1718.84	1728.54	1738.24	1746.00	1753.76	1763.46	1763.46	1763.46
9.0	1664.52	1681.98	1697.50	1711.08	1726.60	1736.30	1746.00	1753.76	1755.70
11.0	1614.08	1635.42	1658.70	1687.80	1705.26	1720.78	1734.36	1736.30	1738.24
13.0	1557.82	1588.86	1617.96	1645.12	1670.34	1689.74	1711.08	1714.96	1718.84
15.0	1486.04	1524.84	1561.70	1598.56	1631.54	1662.58	1683.92	1697.50	1701.38
17.0	1408.44	1455.00	1503.50	1548.12	1586.92	1619.90	1647.06	1668.40	1674.22
19.5	1305.62	1365.76	1423.96	1478.28	1524.84	1575.28	1604.38	1619.90	1625.72
22.5	1175.64	1245.48	1313.38	1381.28	1441.42	1495.74	1532.60	1557.82	1563.64
25.5	1032.08	1111.62	1191.16	1268.76	1340.54	1404.56	1453.06	1484.10	1493.80
29.0	869.12	952.54	1041.78	1131.02	1212.50	1286.22	1346.36	1379.34	1392.92
33.0	702.28	783.76	873.00	966.12	1055.36	1138.78	1204.74	1241.60	1255.18
37.5	531.56	607.22	692.58	781.82	871.06	952.54	1022.38	1065.06	1076.70
42.5	384.12	442.32	514.10	591.70	671.24	744.96	810.92	849.72	863.30
47.5	277.42	320.10	372.48	432.62	496.64	558.72	611.10	644.08	657.66
55.0	174.60	197.88	228.92	263.84	302.64	343.38	376.36	397.70	407.40
65.0	97.00	106.70	118.34	133.86	151.32	168.78	184.30	194.00	197.88
75.0	48.50	52.38	56.26	60.14	65.96	71.78	77.60	81.48	83.42
85.0	7.76	11.64	13.58	13.58	15.52	15.52	15.52	15.52	15.52
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_107_BX_HO_359_S1.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	543.90	N.A.	25.60
0-30	1000.31	N.A.	47.10
0-40	1365.95	N.A.	64.30
0-60	1856.85	N.A.	87.50
0-80	2088.98	N.A.	98.40
0-90	2122.9	N.A.	100.00
10-90	1991.45	N.A.	93.80
20-40	822.05	N.A.	38.70
20-50	1144.77	N.A.	53.90
40-70	639.64	N.A.	30.10
60-80	232.13	N.A.	10.90
70-80	83.39	N.A.	3.90
80-90	33.92	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	2122.9	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	131.44
10-20	412.46
20-30	456.40
30-40	365.64
40-50	322.72
50-60	168.18
60-70	148.74
70-80	83.39
80-90	33.92
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
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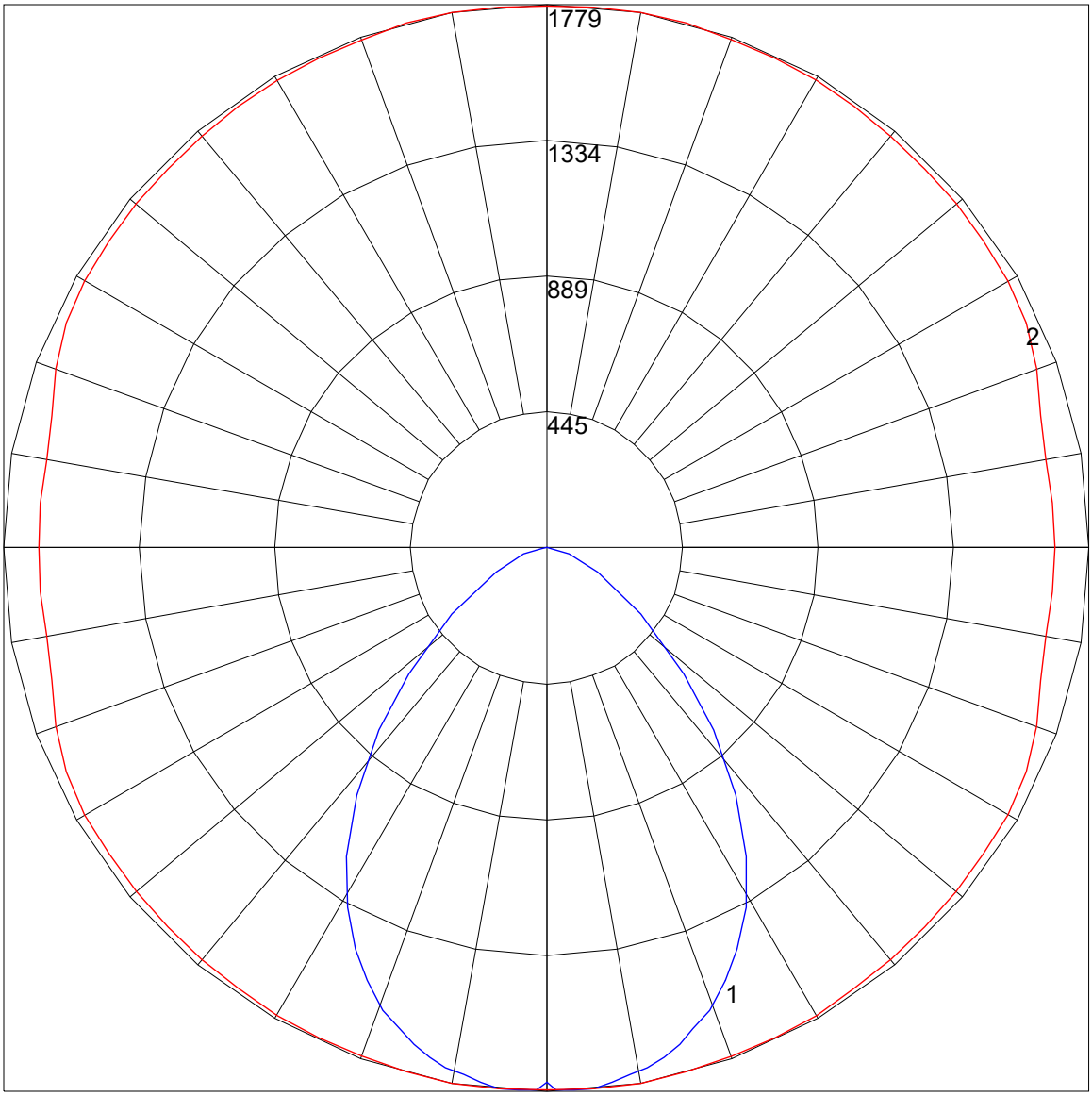
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68
4	89	79	72	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	78	66	59	53	76	66	58	53	64	57	53	62	57	52	61	56	52	50
7	73	61	54	49	72	61	54	48	59	53	48	58	52	48	57	52	48	46
8	69	57	50	45	67	56	49	44	55	49	44	54	48	44	53	48	44	42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39
10	61	50	43	38	60	49	43	38	48	42	38	48	42	38	47	41	38	36

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_107_BX_HO_359_S1.IES

POLAR GRAPH



Maximum Candela = 1778.98 Located At Horizontal Angle = 80, Vertical Angle = 3
1 - Vertical Plane Through Horizontal Angles (80 - 260) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)