



IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_107_BX_LO_35_1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L091700101 (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-LO-35-1
 [LUMINAIRE] BoxRail LED, 48", 3500K, 80 CRI, zipper board,
 [MORE] diffuse lens, low output
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1179
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	14.95
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.08
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.20
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.08 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	11011	13233	15406
55	8218	10531	13118
65	6155	8138	10864
75	4722	6138	8903
85	2604	3605	7611

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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	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0
5	564.5	564.5	564.5	564.5	564.5	564.5	564.5	565.0	565.0	565.0
10	550.0	550.0	550.0	550.0	550.0	550.5	551.0	552.0	552.5	553.0
15	525.0	525.0	525.5	526.0	527.0	527.5	528.5	530.0	531.0	532.5
20	489.5	489.5	490.5	491.5	493.0	494.5	496.5	498.5	501.0	503.0
25	444.0	444.5	445.5	447.0	449.5	452.0	455.0	458.5	462.0	465.5
30	391.5	392.0	393.5	395.5	398.5	402.5	406.5	411.5	416.5	421.5
35	335.0	335.5	337.0	340.0	343.5	348.0	353.5	359.5	365.5	372.0
40	277.0	277.5	279.5	282.5	287.0	292.5	298.5	305.5	313.0	320.0
45	223.0	223.5	225.5	228.5	233.0	238.5	245.0	252.0	260.0	268.0
50	175.0	175.5	177.5	180.0	184.5	189.5	195.5	202.5	210.5	218.5
55	135.0	135.0	136.5	139.0	142.5	147.0	152.5	159.0	166.0	173.0
60	101.5	101.5	103.0	105.0	107.5	111.5	115.5	121.0	127.0	133.5
65	74.5	74.5	75.5	77.0	79.0	81.5	85.0	89.0	93.5	98.5
70	52.5	52.5	53.0	54.0	55.5	57.0	59.5	62.5	65.5	69.5
75	35.0	35.0	35.0	35.5	36.5	37.5	39.0	40.5	42.5	45.5
80	19.5	19.5	20.0	20.0	20.5	21.0	21.5	22.5	23.5	25.0
85	6.5	6.5	6.5	6.5	7.0	7.0	7.5	8.0	8.5	9.0
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Vert. Horizontal Angles
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	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0	569.0
5	565.0	565.5	565.5	565.5	565.5	565.5	565.5	566.0	565.5
10	553.5	554.0	554.5	554.5	555.0	555.5	555.5	556.0	556.0
15	533.5	534.5	536.0	536.5	537.5	538.5	539.0	539.0	539.0
20	505.5	507.5	509.5	511.0	512.5	514.0	515.0	515.5	515.5
25	469.0	472.5	475.5	478.5	481.0	483.0	484.0	485.0	485.5
30	426.5	431.0	435.5	439.5	442.5	445.5	447.5	448.5	449.0
35	378.5	384.5	390.0	395.0	399.0	402.5	405.0	406.5	407.0
40	327.5	334.5	341.0	346.5	351.5	355.5	358.5	360.0	360.5
45	276.0	284.0	290.5	297.0	302.0	306.5	309.5	311.5	312.0
50	227.0	234.5	242.0	248.0	253.0	257.5	260.5	262.0	263.0
55	181.0	188.5	195.5	201.5	206.5	210.5	213.0	215.0	215.5
60	140.0	146.5	153.0	159.0	163.5	167.0	169.5	171.0	171.5
65	104.5	110.0	115.5	120.5	124.5	127.5	129.5	131.0	131.5
70	73.5	78.0	82.5	86.5	90.0	93.0	94.5	96.0	96.0
75	48.0	51.5	54.5	58.0	60.5	63.0	65.0	65.5	66.0
80	27.0	29.0	31.0	33.5	35.5	37.5	39.0	40.0	40.0
85	9.5	10.5	11.5	13.0	14.5	16.0	17.5	18.5	19.0
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	203.22	N.A.	17.20
0-30	416.86	N.A.	35.40
0-40	648.80	N.A.	55.00
0-60	1012.78	N.A.	85.90
0-80	1165.62	N.A.	98.90
0-90	1178.87	N.A.	100.00
10-90	1125.32	N.A.	95.50
20-40	445.59	N.A.	37.80
20-50	652.59	N.A.	55.40
40-70	465.23	N.A.	39.50
60-80	152.84	N.A.	13.00
70-80	51.58	N.A.	4.40
80-90	13.25	N.A.	1.10
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	1178.87	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	53.55
10-20	149.67
20-30	213.64
30-40	231.94
40-50	207.00
50-60	156.97
60-70	101.26
70-80	51.58
80-90	13.25
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

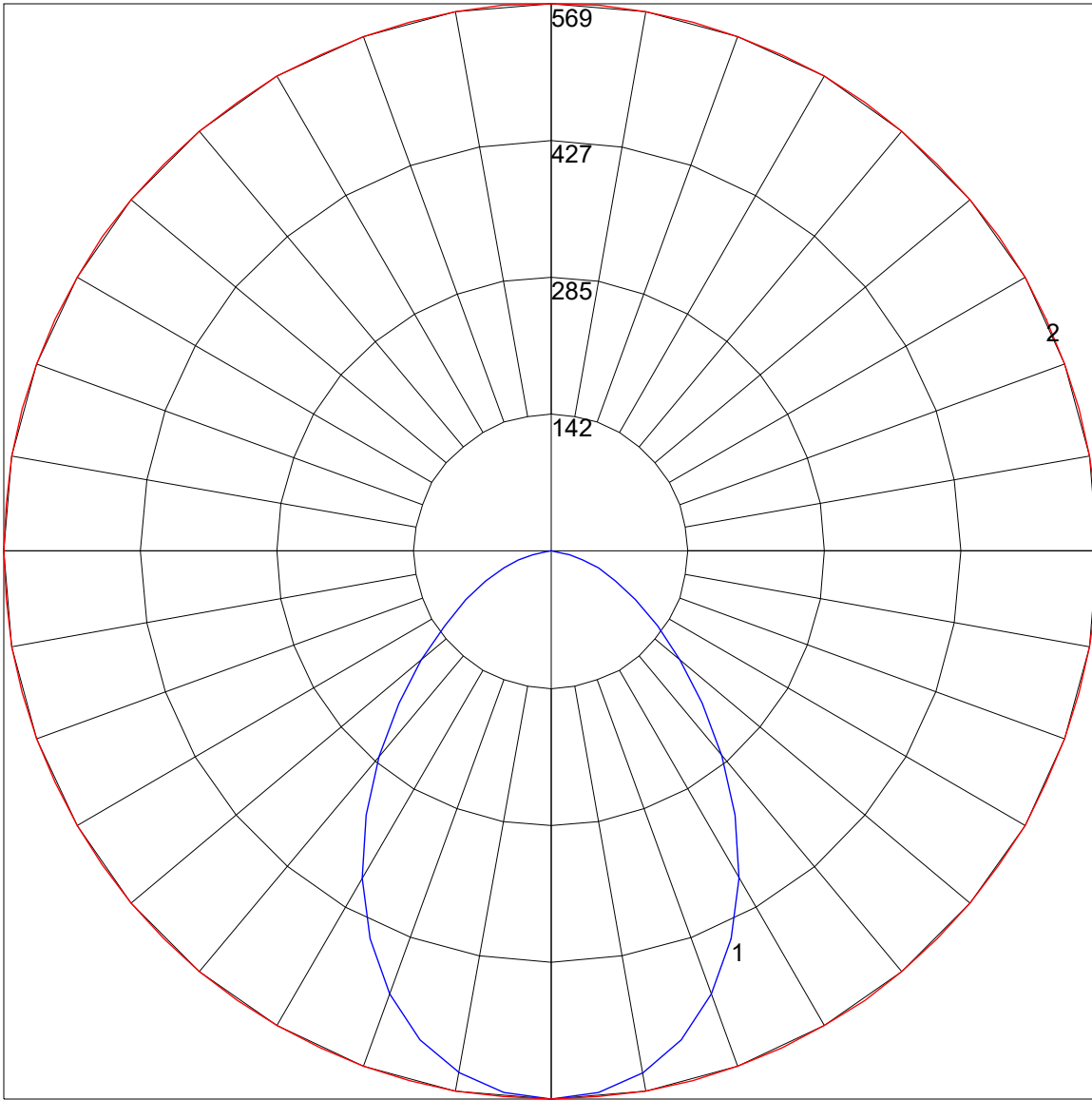
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86
2	101	94	88	83	99	92	86	82	89	84	80	85	81	78	82	79	76	74
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56
5	80	68	59	53	78	67	59	53	65	58	52	63	57	52	61	56	51	49
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44
7	69	56	48	42	67	55	48	42	54	47	42	53	46	42	51	46	41	39
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36
9	60	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32
10	57	44	37	32	56	44	36	32	43	36	32	42	36	31	41	35	31	30

POLAR GRAPH



Maximum Candela = 569 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)