

IES Report

ZipTwo® | 707 | Diffuse | 80 CRI | SO

707-Z2-4-48-XX-XX-X-0-Z-SO-35-D3-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	148	153	157	156
Total Lumens, 4' rail length (1219mm)	3849	3970	4051	4051
Lumens per foot (305mm)	962	993	1013	1013
Input Power (W), 4' rail length (1219mm)	26.1	26.1	26.1	26.1
Watts per foot (305mm)	6.6	6.6	6.6	6.6
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_707_Z2_SO_35_D3.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L121911534 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB
[ISSUE DATE] 12/23/2019
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z2-48-Z-SO-35-D3-AL
[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board, diffuse lens,
[MORE] 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	4051
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
Total Luminaire Watts	26.11
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.08 ft
Luminous Width (90-270)	3.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	44713	45046	45378
55	39754	39891	40027
65	34486	34393	34115
75	30123	29518	28156
85	33714	30568	24724

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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	1577.60	1577.60	1577.60	1577.60	1577.60	1577.60	1577.60	1577.60	1577.60	1577.60
5	1571.80	1571.80	1571.80	1571.80	1571.80	1571.80	1571.80	1571.80	1571.80	1571.80
10	1549.76	1548.60	1549.76	1548.60	1549.76	1549.76	1548.60	1549.76	1549.76	1549.76
15	1509.16	1508.00	1508.00	1508.00	1508.00	1508.00	1509.16	1509.16	1509.16	1510.32
20	1451.16	1450.00	1451.16	1451.16	1451.16	1451.16	1452.32	1453.48	1453.48	1454.64
25	1375.76	1375.76	1376.92	1376.92	1378.08	1379.24	1379.24	1380.40	1381.56	1381.56
30	1285.28	1286.44	1286.44	1286.44	1286.44	1287.60	1289.92	1289.92	1291.08	1292.24
35	1180.88	1180.88	1180.88	1180.88	1182.04	1183.20	1184.36	1185.52	1186.68	1187.84
40	1063.72	1063.72	1063.72	1063.72	1066.04	1066.04	1067.20	1068.36	1068.36	1070.68
45	936.12	937.28	937.28	937.28	938.44	939.60	939.60	940.76	940.76	943.08
50	806.20	806.20	806.20	806.20	806.20	807.36	808.52	808.52	808.52	809.68
55	675.12	675.12	675.12	675.12	676.28	676.28	676.28	677.44	677.44	677.44
60	548.68	548.68	549.84	549.84	549.84	549.84	549.84	549.84	549.84	549.84
65	431.52	431.52	431.52	431.52	431.52	431.52	431.52	430.36	430.36	430.36
70	324.80	324.80	324.80	324.80	324.80	323.64	323.64	323.64	322.48	321.32
75	230.84	230.84	230.84	229.68	229.68	229.68	228.52	228.52	227.36	226.20
80	151.96	150.80	150.80	150.80	149.64	149.64	148.48	147.32	146.16	145.00
85	87.00	87.00	87.00	87.00	85.84	84.68	83.52	82.36	81.20	78.88
90	37.12	37.12	35.96	34.80	34.80	33.64	31.32	30.16	27.84	25.52
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	1577.60	1577.60	1577.60	1577.60	1577.60	1577.60	1577.60	1577.60	1577.60
5	1571.80	1571.80	1571.80	1571.80	1571.80	1571.80	1571.80	1571.80	1571.80
10	1549.76	1549.76	1549.76	1549.76	1550.92	1549.76	1550.92	1550.92	1549.76
15	1511.48	1511.48	1511.48	1512.64	1512.64	1512.64	1511.48	1512.64	1512.64
20	1454.64	1455.80	1456.96	1456.96	1458.12	1458.12	1456.96	1458.12	1456.96
25	1382.72	1383.88	1385.04	1386.20	1387.36	1387.36	1387.36	1387.36	1387.36
30	1293.40	1294.56	1294.56	1298.04	1296.88	1298.04	1299.20	1299.20	1299.20
35	1189.00	1191.32	1192.48	1192.48	1193.64	1194.80	1194.80	1195.96	1195.96
40	1070.68	1073.00	1074.16	1075.32	1076.48	1076.48	1077.64	1077.64	1077.64
45	943.08	944.24	945.40	946.56	947.72	948.88	948.88	948.88	950.04
50	810.84	810.84	812.00	813.16	813.16	814.32	814.32	814.32	814.32
55	677.44	678.60	678.60	678.60	678.60	679.76	679.76	679.76	679.76
60	549.84	549.84	549.84	549.84	548.68	548.68	548.68	548.68	548.68

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CANDELA TABULATION - (Cont.)

65	429.20	429.20	429.20	428.04	428.04	426.88	426.88	425.72	426.88
70	321.32	320.16	319.00	319.00	317.84	316.68	315.52	315.52	315.52
75	225.04	223.88	222.72	220.40	219.24	218.08	216.92	216.92	215.76
80	143.84	141.52	140.36	138.04	136.88	135.72	133.40	132.24	132.24
85	77.72	75.40	73.08	71.92	69.60	67.28	66.12	64.96	63.80
90	23.20	22.04	19.72	17.40	15.08	12.76	10.44	9.28	6.96
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	575.17	N.A.	14.20
0-30	1211.12	N.A.	29.90
0-40	1953.22	N.A.	48.20
0-60	3287.25	N.A.	81.10
0-80	3956.59	N.A.	97.70
0-90	4044.72	N.A.	99.80
10-90	3895.4	N.A.	96.10
20-40	1378.05	N.A.	34.00
20-50	2105.03	N.A.	52.00
40-70	1762.11	N.A.	43.50
60-80	669.34	N.A.	16.50
70-80	241.26	N.A.	6.00
80-90	88.13	N.A.	2.20
90-110	6.74	N.A.	0.20
90-120	6.74	N.A.	0.20
90-130	6.74	N.A.	0.20
90-150	6.74	N.A.	0.20
90-180	6.74	N.A.	0.20
110-180	0.00	N.A.	0.00
0-180	4051.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	149.32
10-20	425.85
20-30	635.96
30-40	742.09
40-50	726.98
50-60	607.05
60-70	428.08
70-80	241.26
80-90	88.13
90-100	6.74
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

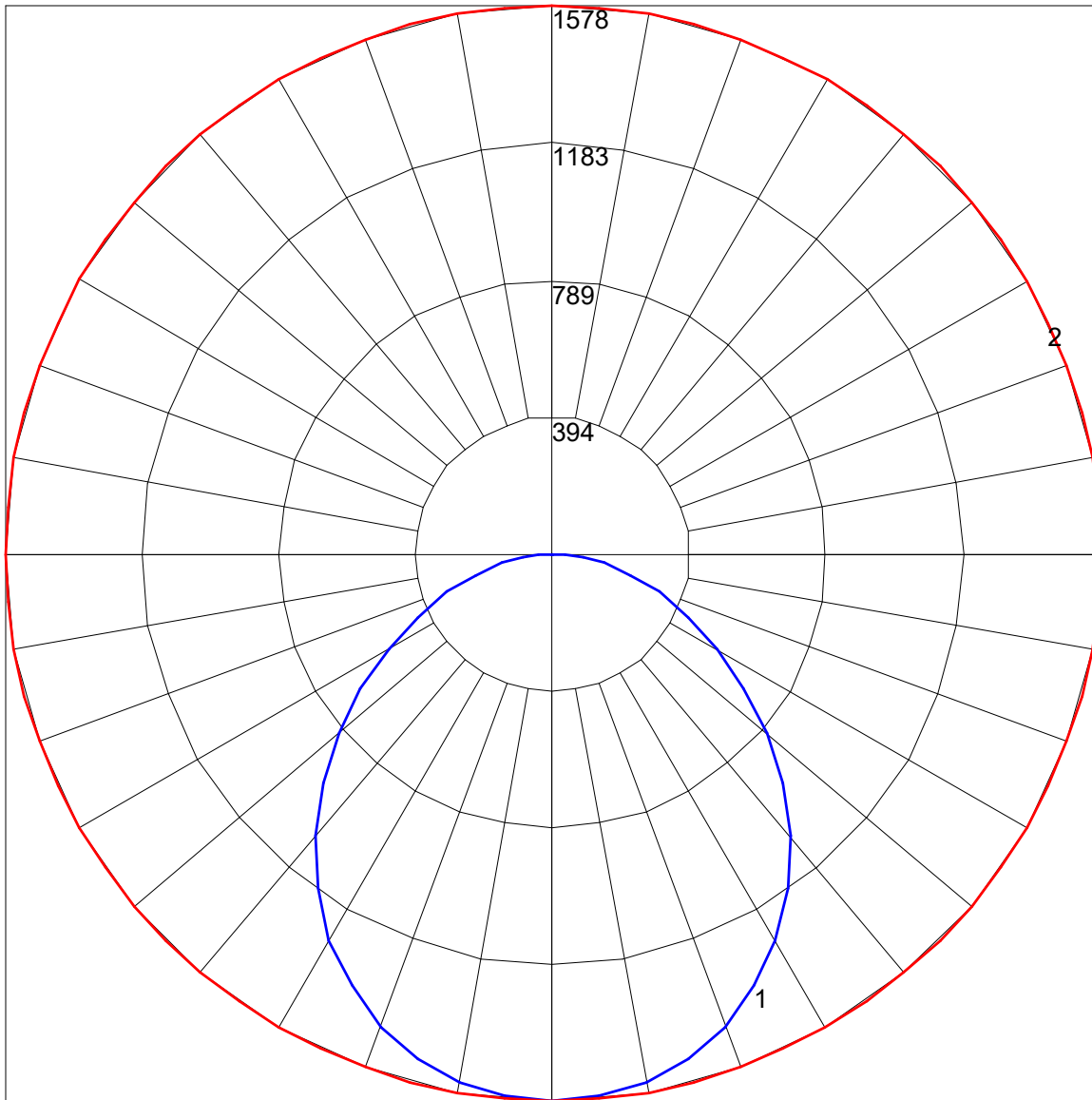
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	84	72	63	57	81	71	62	56	68	61	56	66	60	55	63	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	42	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	33	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 1577.6 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.)