

IES Report

ZipTwo® | 707 | Square 3572, Diffuse | 80 CRI | SO

707-Z2-4-48-XX-XX-X-0-Z-SO-35-H6-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	150	155	158	158
Total Lumens, 4' rail length (1219mm)	3903	4026	4108	4108
Lumens per foot (305mm)	976	1006	1027	1027
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_H6_WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L082011201 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUEDATE] 9/9/2020

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z2-48-Z-SO-35-H6-WH

[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board, square 3572,

[MORE] diffuse lens, standard output

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4108
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	157
Total Luminaire Watts	26.2
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	2.40
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	2.08
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.23 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7400	6765	6737
55	7341	6645	6416
65	7033	6399	6114
75	6522	6083	6258
85	5979	5762	6145

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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	375.84	375.84	375.84	375.84	375.84	375.84	375.84	375.84	375.84	375.84
5	394.40	394.40	393.24	393.24	392.08	390.92	388.60	387.44	385.12	382.80
10	436.16	436.16	435.00	433.84	430.36	428.04	423.40	419.92	415.28	409.48
15	480.24	480.24	477.92	475.60	470.96	466.32	459.36	452.40	444.28	436.16
20	524.32	523.16	520.84	516.20	510.40	503.44	494.16	483.72	472.12	459.36
25	567.24	566.08	562.60	556.80	548.68	539.40	526.64	512.72	497.64	480.24
30	607.84	606.68	602.04	595.08	584.64	571.88	556.80	539.40	519.68	498.80
35	644.96	643.80	638.00	628.72	617.12	600.88	582.32	562.60	538.24	513.88
40	676.28	675.12	668.16	657.72	643.80	625.24	604.36	580.00	553.32	524.32
45	700.64	698.32	691.36	679.76	663.52	642.64	619.44	591.60	561.44	530.12
50	714.56	712.24	705.28	692.52	675.12	651.92	626.40	597.40	564.92	530.12
55	718.04	714.56	707.60	694.84	676.28	653.08	625.24	595.08	560.28	524.32
60	708.76	706.44	698.32	685.56	667.00	643.80	615.96	584.64	548.68	511.56
65	689.04	686.72	678.60	665.84	648.44	625.24	598.56	566.08	531.28	493.00
70	658.88	656.56	649.60	638.00	620.60	598.56	573.04	541.72	506.92	469.80
75	620.60	619.44	612.48	600.88	585.80	564.92	540.56	511.56	479.08	443.12
80	578.84	577.68	571.88	561.44	547.52	527.80	505.76	477.92	446.60	412.96
85	534.76	533.60	528.96	519.68	506.92	489.52	468.64	443.12	412.96	382.80
90	494.16	491.84	487.20	479.08	467.48	451.24	432.68	408.32	382.80	352.64
95	462.84	461.68	457.04	450.08	439.64	424.56	407.16	386.28	361.92	332.92
100	438.48	436.16	432.68	425.72	416.44	402.52	388.60	367.72	343.36	317.84
105	414.12	412.96	409.48	403.68	393.24	382.80	367.72	349.16	327.12	301.60
110	392.08	390.92	387.44	382.80	373.52	361.92	346.84	329.44	309.72	286.52
115	371.20	370.04	366.56	360.76	352.64	342.20	328.28	310.88	291.16	270.28
120	348.00	346.84	343.36	338.72	330.60	320.16	307.40	291.16	272.60	252.88
125	323.64	323.64	320.16	315.52	307.40	298.12	285.36	270.28	252.88	234.32
130	299.28	298.12	295.80	291.16	283.04	273.76	263.32	249.40	233.16	213.44
135	273.76	272.60	270.28	265.64	258.68	250.56	238.96	225.04	206.48	187.92
140	245.92	244.76	242.44	238.96	232.00	223.88	212.28	196.04	178.64	162.40
145	218.08	216.92	214.60	211.12	205.32	194.88	179.80	165.88	151.96	139.20
150	187.92	186.76	185.60	182.12	174.00	160.08	149.64	138.04	128.76	119.48
155	157.76	156.60	155.44	149.64	138.04	128.76	119.48	113.68	107.88	99.76
160	125.28	125.28	122.96	112.52	104.40	97.44	93.96	89.32	83.52	75.40
165	90.48	90.48	82.36	76.56	71.92	69.60	68.44	64.96	58.00	53.36
170	56.84	53.36	46.40	42.92	44.08	44.08	42.92	40.60	38.28	34.80
175	25.52	20.88	19.72	22.04	23.20	22.04	22.04	22.04	20.88	19.72
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	375.84	375.84	375.84	375.84	375.84	375.84	375.84	375.84	375.84
5	380.48	378.16	375.84	374.68	373.52	373.52	374.68	374.68	374.68
10	403.68	397.88	390.92	385.12	378.16	371.20	367.72	367.72	367.72
15	425.72	416.44	406.00	395.56	385.12	374.68	363.08	358.44	359.60
20	446.60	432.68	417.60	402.52	388.60	373.52	358.44	346.84	346.84
25	462.84	444.28	425.72	406.00	387.44	368.88	350.32	331.76	330.60
30	476.76	454.72	431.52	407.16	383.96	360.76	338.72	316.68	310.88
35	487.20	460.52	432.68	404.84	378.16	350.32	324.80	300.44	290.00
40	494.16	462.84	431.52	399.04	367.72	337.56	308.56	280.72	267.96
45	496.48	460.52	425.72	389.76	356.12	322.48	290.00	261.00	243.60
50	493.00	454.72	416.44	378.16	341.04	305.08	270.28	238.96	218.08
55	484.88	444.28	403.68	363.08	323.64	285.36	248.24	215.76	192.56
60	470.96	429.20	387.44	344.52	303.92	264.48	226.20	191.40	167.04

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CANDELA TABULATION - (Cont.)

65	452.40	409.48	367.72	324.80	283.04	241.28	203.00	168.20	140.36
70	429.20	387.44	345.68	301.60	259.84	218.08	178.64	142.68	113.68
75	397.88	364.24	322.48	278.40	236.64	194.88	155.44	118.32	95.12
80	375.84	336.40	295.80	252.88	212.28	171.68	132.24	96.28	64.96
85	345.68	307.40	269.12	228.52	187.92	147.32	110.20	76.56	42.92
90	317.84	281.88	243.60	203.00	164.72	124.12	90.48	52.20	22.04
95	301.60	266.80	230.84	192.56	155.44	118.32	87.00	47.56	18.56
100	287.68	255.20	221.56	185.60	150.80	114.84	85.84	46.40	17.40
105	274.92	243.60	212.28	177.48	143.84	109.04	77.72	42.92	16.24
110	259.84	232.00	200.68	168.20	136.88	104.40	74.24	38.28	16.24
115	244.76	218.08	190.24	160.08	129.92	99.76	68.44	34.80	15.08
120	229.68	204.16	177.48	149.64	121.80	92.80	61.48	30.16	13.92
125	213.44	189.08	163.56	136.88	110.20	83.52	53.36	26.68	13.92
130	191.40	168.20	145.00	121.80	97.44	71.92	45.24	23.20	12.76
135	168.20	148.48	127.60	106.72	84.68	61.48	38.28	20.88	12.76
140	145.00	128.76	111.36	91.64	71.92	52.20	31.32	18.56	12.76
145	126.44	112.52	95.12	76.56	59.16	41.76	26.68	16.24	11.60
150	109.04	93.96	78.88	63.80	48.72	34.80	23.20	15.08	11.60
155	87.00	75.40	63.80	51.04	40.60	30.16	20.88	13.92	11.60
160	66.12	58.00	48.72	40.60	32.48	25.52	18.56	12.76	11.60
165	47.56	41.76	37.12	31.32	25.52	19.72	15.08	11.60	11.60
170	32.48	29.00	25.52	22.04	18.56	15.08	12.76	11.60	11.60
175	18.56	17.40	15.08	13.92	12.76	11.60	11.60	10.44	10.44
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	159.04	N.A.	3.90
0-30	375.58	N.A.	9.10
0-40	686.87	N.A.	16.70
0-60	1525.4	N.A.	37.10
0-80	2418.02	N.A.	58.90
0-90	2796.94	N.A.	68.10
10-90	2759.66	N.A.	67.20
20-40	527.83	N.A.	12.80
20-50	920.56	N.A.	22.40
40-70	1297.93	N.A.	31.60
60-80	892.62	N.A.	21.70
70-80	433.22	N.A.	10.50
80-90	378.92	N.A.	9.20
90-110	611.05	N.A.	14.90
90-120	849.76	N.A.	20.70
90-130	1036.65	N.A.	25.20
90-150	1251.54	N.A.	30.50
90-180	1311.04	N.A.	31.90
110-180	699.99	N.A.	17.00
0-180	4107.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	37.28
10-20	121.76
20-30	216.53
30-40	311.30
40-50	392.73
50-60	445.80
60-70	459.39
70-80	433.22
80-90	378.92
90-100	326.15
100-110	284.91
110-120	238.71
120-130	186.90
130-140	132.47
140-150	82.42
150-160	42.48
160-170	15.00
170-180	2.02

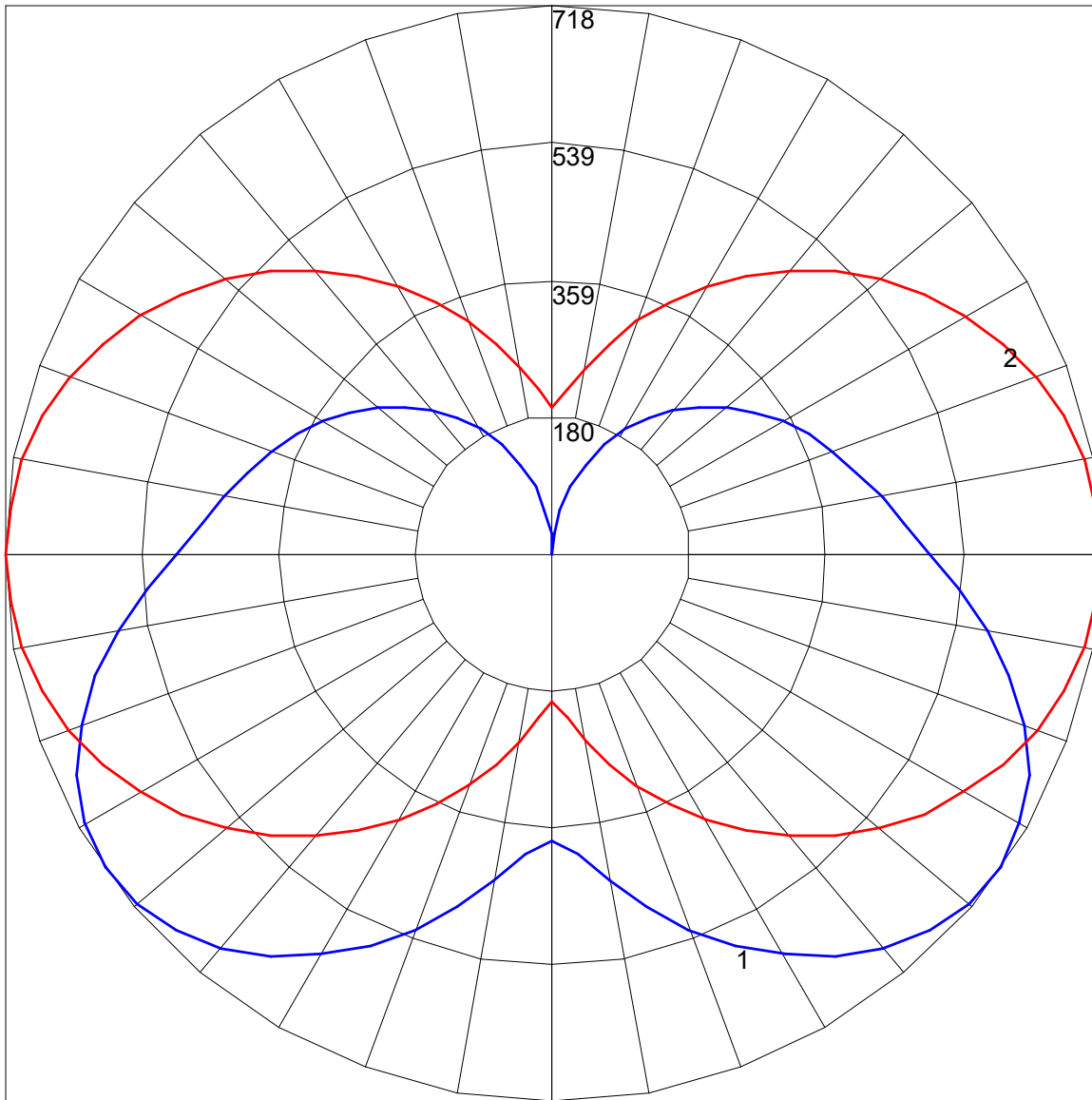
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	111	111	111	105	105	105	105	93	93	93	83	83	83	73	73	73	68
1	97	91	85	80	91	85	80	75	75	71	67	66	62	59	57	54	52	48
2	86	76	68	61	81	72	64	58	63	57	52	55	50	46	47	44	40	36
3	78	66	56	49	72	62	53	46	54	47	41	47	41	37	40	36	32	28
4	70	57	47	40	65	54	45	38	47	40	34	41	35	30	35	30	26	23
5	64	50	40	33	60	47	38	32	41	34	28	36	30	25	31	26	22	19
6	59	45	35	28	55	42	33	27	37	29	24	32	26	21	28	23	19	16
7	54	40	31	24	50	38	29	23	33	26	21	29	23	18	25	20	16	14
8	50	36	27	21	47	34	26	20	30	23	18	26	20	16	23	18	14	12
9	47	33	24	19	43	31	23	18	27	21	16	24	18	14	21	16	12	10
10	43	30	22	16	41	28	21	16	25	19	14	22	17	13	19	15	11	9

POLAR GRAPH



Maximum Candela = 718.04 Located At Horizontal Angle = 0, Vertical Angle = 55
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (55) (Through Max. Cd.)