

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	149	153	156	156
Total Lumens, 4' rail length (1219mm)	5854	6039	6162	6162
Lumens per foot (305mm)	1463	1510	1540	1540
Input Power (W), 4' rail length (1219mm)	39.6	39.6	39.6	39.6
Watts per foot (305mm)	9.9	9.9	9.9	9.9
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_HO_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

[ISSUE DATE] 9/9/2020

[MANUFAC] Vode Lighting

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

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

[MORE] diffuse lens, high output

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6162
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	156
Total Luminaire Watts	39.55
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	11099	10148	10106
55	11011	9968	9624
65	10550	9598	9172
75	9783	9124	9386
85	8968	8643	9218

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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	563.76	563.76	563.76	563.76	563.76	563.76	563.76	563.76	563.76	563.76
5	591.60	591.60	589.86	589.86	588.12	586.38	582.90	581.16	577.68	574.20
10	654.24	654.24	652.50	650.76	645.54	642.06	635.10	629.88	622.92	614.22
15	720.36	720.36	716.88	713.40	706.44	699.48	689.04	678.60	666.42	654.24
20	786.48	784.74	781.26	774.30	765.60	755.16	741.24	725.58	708.18	689.04
25	850.86	849.12	843.90	835.20	823.02	809.10	789.96	769.08	746.46	720.36
30	911.76	910.02	903.06	892.62	876.96	857.82	835.20	809.10	779.52	748.20
35	967.44	965.70	957.00	943.08	925.68	901.32	873.48	843.90	807.36	770.82
40	1014.42	1012.68	1002.24	986.58	965.70	937.86	906.54	870.00	829.98	786.48
45	1050.96	1047.48	1037.04	1019.64	995.28	963.96	929.16	887.40	842.16	795.18
50	1071.84	1068.36	1057.92	1038.78	1012.68	977.88	939.60	896.10	847.38	795.18
55	1077.06	1071.84	1061.40	1042.26	1014.42	979.62	937.86	892.62	840.42	786.48
60	1063.14	1059.66	1047.48	1028.34	1000.50	965.70	923.94	876.96	823.02	767.34
65	1033.56	1030.08	1017.90	998.76	972.66	937.86	897.84	849.12	796.92	739.50
70	988.32	984.84	974.40	957.00	930.90	897.84	859.56	812.58	760.38	704.70
75	930.90	929.16	918.72	901.32	878.70	847.38	810.84	767.34	718.62	664.68
80	868.26	866.52	857.82	842.16	821.28	791.70	758.64	716.88	669.90	619.44
85	802.14	800.40	793.44	779.52	760.38	734.28	702.96	664.68	619.44	574.20
90	741.24	737.76	730.80	718.62	701.22	676.86	649.02	612.48	574.20	528.96
95	694.26	692.52	685.56	675.12	659.46	636.84	610.74	579.42	542.88	499.38
100	657.72	654.24	649.02	638.58	624.66	603.78	582.90	551.58	515.04	476.76
105	621.18	619.44	614.22	605.52	589.86	574.20	551.58	523.74	490.68	452.40
110	588.12	586.38	581.16	574.20	560.28	542.88	520.26	494.16	464.58	429.78
115	556.80	555.06	549.84	541.14	528.96	513.30	492.42	466.32	436.74	405.42
120	522.00	520.26	515.04	508.08	495.90	480.24	461.10	436.74	408.90	379.32
125	485.46	485.46	480.24	473.28	461.10	447.18	428.04	405.42	379.32	351.48
130	448.92	447.18	443.70	436.74	424.56	410.64	394.98	374.10	349.74	320.16
135	410.64	408.90	405.42	398.46	388.02	375.84	358.44	337.56	309.72	281.88
140	368.88	367.14	363.66	358.44	348.00	335.82	318.42	294.06	267.96	243.60
145	327.12	325.38	321.90	316.68	307.98	292.32	269.70	248.82	227.94	208.80
150	281.88	280.14	278.40	273.18	261.00	240.12	224.46	207.06	193.14	179.22
155	236.64	234.90	233.16	224.46	207.06	193.14	179.22	170.52	161.82	149.64
160	187.92	187.92	184.44	168.78	156.60	146.16	140.94	133.98	125.28	113.10
165	135.72	135.72	123.54	114.84	107.88	104.40	102.66	97.44	87.00	80.04
170	85.26	80.04	69.60	64.38	66.12	66.12	64.38	60.90	57.42	52.20
175	38.28	31.32	29.58	33.06	34.80	33.06	33.06	33.06	31.32	29.58
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	563.76	563.76	563.76	563.76	563.76	563.76	563.76	563.76	563.76
5	570.72	567.24	563.76	562.02	560.28	560.28	562.02	562.02	562.02
10	605.52	596.82	586.38	577.68	567.24	556.80	551.58	551.58	551.58
15	638.58	624.66	609.00	593.34	577.68	562.02	544.62	537.66	539.40
20	669.90	649.02	626.40	603.78	582.90	560.28	537.66	520.26	520.26
25	694.26	666.42	638.58	609.00	581.16	553.32	525.48	497.64	495.90
30	715.14	682.08	647.28	610.74	575.94	541.14	508.08	475.02	466.32
35	730.80	690.78	649.02	607.26	567.24	525.48	487.20	450.66	435.00
40	741.24	694.26	647.28	598.56	551.58	506.34	462.84	421.08	401.94
45	744.72	690.78	638.58	584.64	534.18	483.72	435.00	391.50	365.40
50	739.50	682.08	624.66	567.24	511.56	457.62	405.42	358.44	327.12
55	727.32	666.42	605.52	544.62	485.46	428.04	372.36	323.64	288.84
60	706.44	643.80	581.16	516.78	455.88	396.72	339.30	287.10	250.56

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CANDELA TABULATION - (Cont.)

65	678.60	614.22	551.58	487.20	424.56	361.92	304.50	252.30	210.54
70	643.80	581.16	518.52	452.40	389.76	327.12	267.96	214.02	170.52
75	596.82	546.36	483.72	417.60	354.96	292.32	233.16	177.48	142.68
80	563.76	504.60	443.70	379.32	318.42	257.52	198.36	144.42	97.44
85	518.52	461.10	403.68	342.78	281.88	220.98	165.30	114.84	64.38
90	476.76	422.82	365.40	304.50	247.08	186.18	135.72	78.30	33.06
95	452.40	400.20	346.26	288.84	233.16	177.48	130.50	71.34	27.84
100	431.52	382.80	332.34	278.40	226.20	172.26	128.76	69.60	26.10
105	412.38	365.40	318.42	266.22	215.76	163.56	116.58	64.38	24.36
110	389.76	348.00	301.02	252.30	205.32	156.60	111.36	57.42	24.36
115	367.14	327.12	285.36	240.12	194.88	149.64	102.66	52.20	22.62
120	344.52	306.24	266.22	224.46	182.70	139.20	92.22	45.24	20.88
125	320.16	283.62	245.34	205.32	165.30	125.28	80.04	40.02	20.88
130	287.10	252.30	217.50	182.70	146.16	107.88	67.86	34.80	19.14
135	252.30	222.72	191.40	160.08	127.02	92.22	57.42	31.32	19.14
140	217.50	193.14	167.04	137.46	107.88	78.30	46.98	27.84	19.14
145	189.66	168.78	142.68	114.84	88.74	62.64	40.02	24.36	17.40
150	163.56	140.94	118.32	95.70	73.08	52.20	34.80	22.62	17.40
155	130.50	113.10	95.70	76.56	60.90	45.24	31.32	20.88	17.40
160	99.18	87.00	73.08	60.90	48.72	38.28	27.84	19.14	17.40
165	71.34	62.64	55.68	46.98	38.28	29.58	22.62	17.40	17.40
170	48.72	43.50	38.28	33.06	27.84	22.62	19.14	17.40	17.40
175	27.84	26.10	22.62	20.88	19.14	17.40	17.40	15.66	15.66
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	238.56	N.A.	3.90
0-30	563.36	N.A.	9.10
0-40	1030.31	N.A.	16.70
0-60	2288.11	N.A.	37.10
0-80	3627.03	N.A.	58.90
0-90	4195.41	N.A.	68.10
10-90	4139.49	N.A.	67.20
20-40	791.74	N.A.	12.80
20-50	1380.85	N.A.	22.40
40-70	1946.89	N.A.	31.60
60-80	1338.92	N.A.	21.70
70-80	649.83	N.A.	10.50
80-90	568.38	N.A.	9.20
90-110	916.58	N.A.	14.90
90-120	1274.63	N.A.	20.70
90-130	1554.98	N.A.	25.20
90-150	1877.3	N.A.	30.50
90-180	1966.56	N.A.	31.90
110-180	1049.98	N.A.	17.00
0-180	6161.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	55.92
10-20	182.64
20-30	324.80
30-40	466.94
40-50	589.10
50-60	668.70
60-70	689.09
70-80	649.83
80-90	568.38
90-100	489.22
100-110	427.36
110-120	358.06
120-130	280.34
130-140	198.70
140-150	123.63
150-160	63.72
160-170	22.50
170-180	3.04

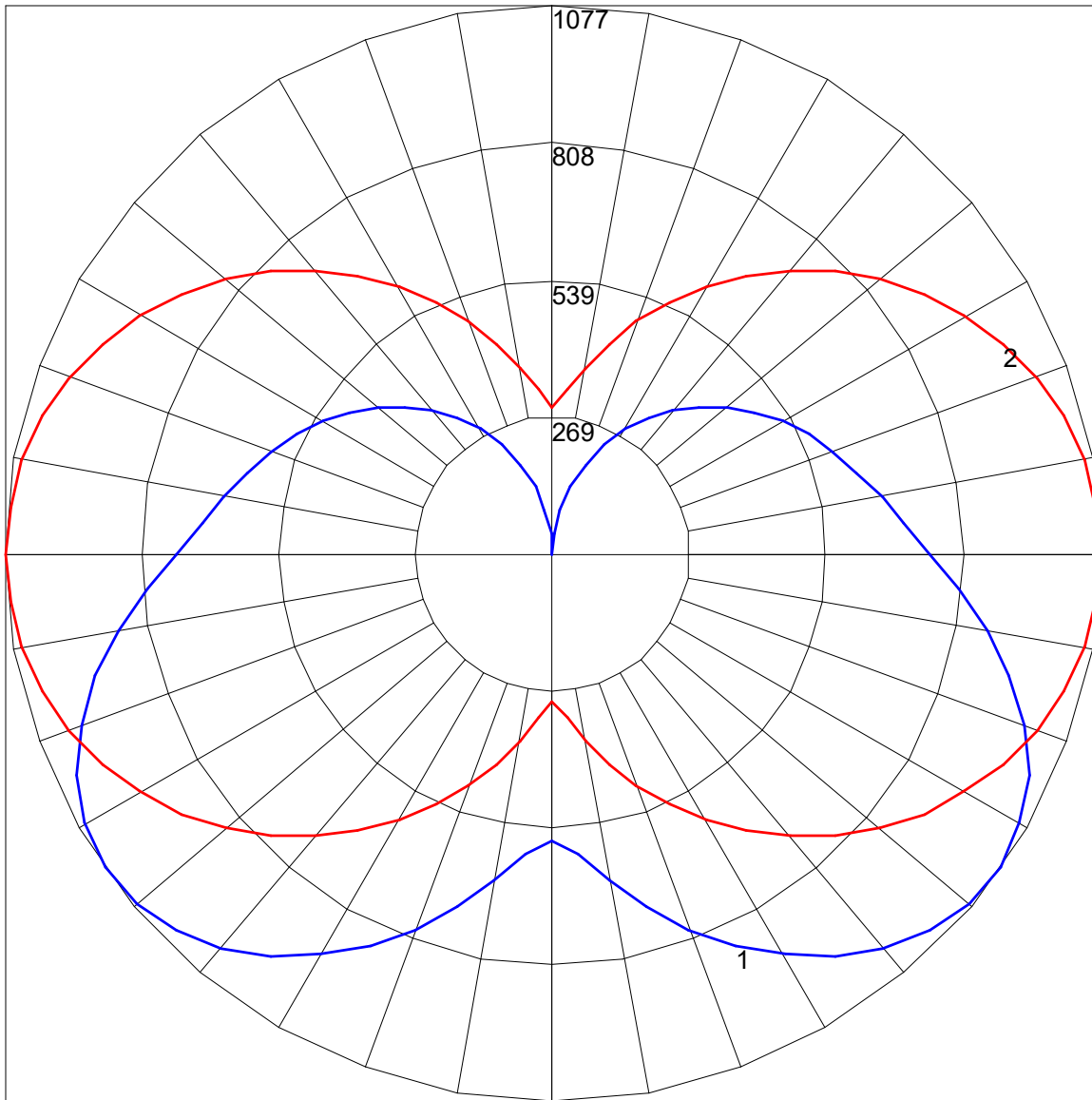
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1077.06 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.)