

IES Report

ZipTwo® | 707 | Diffuse with MicroBaffle | 80 CRI | LO

707-Z2-4-48-XX-XX-X-0-Z-LO-35-D4-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	109	112	114	117
Total Lumens, 4' rail length (1219mm)	1757	1812	1849	1886
Lumens per foot (305mm)	439	453	462	472
Input Power (W), 4' rail length (1219mm)	16.3	16.3	16.3	16.3
Watts per foot (305mm)	4.1	4.1	4.1	4.1
CRI	85	85	85	85

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_LO_35_D4.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L121800102 (SOURCE REPORT FOR REFERENCE)
 [TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
 [ISSUEDATE] 12/14/2018
 [MANUFAC] Vode Lighting
 [LUMCAT] 707-Z2-48-LO-35-D4-AL
 [LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,
 [MORE] diffuse lens w/microbaffle, low output
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1849
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	16.25
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.10 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	18003	15817	13516
55	15702	13194	10827
65	13295	10910	8811
75	11270	9193	7271
85	12339	9717	6478

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	813.5	813.5	813.5	813.5	813.5	813.5	813.5	813.5	813.5	813.5
5	809.5	810.0	810.0	809.5	809.5	809.5	809.5	809.0	809.0	809.0
10	798.0	797.5	797.5	797.5	797.0	796.5	796.0	795.5	795.0	794.0
15	777.0	777.0	776.5	776.0	775.0	774.0	773.0	771.5	770.0	768.5
20	747.5	747.0	746.5	745.5	744.0	742.0	740.0	737.0	734.5	731.5
25	708.5	708.0	707.0	705.5	703.0	700.5	697.0	692.5	688.0	683.5
30	660.5	660.0	659.0	656.5	653.5	649.5	644.5	638.5	632.5	625.5
35	604.5	604.0	602.0	599.5	595.5	590.5	584.0	576.0	568.0	559.5
40	541.5	541.0	538.5	535.5	531.0	524.5	517.0	508.0	498.5	488.0
45	473.5	473.0	471.0	467.0	462.0	455.5	447.0	437.5	427.0	416.0
50	404.0	403.5	401.0	397.5	392.5	385.5	377.0	367.5	357.0	346.5
55	335.0	334.5	332.5	329.0	324.0	317.5	310.0	301.0	291.0	281.5
60	269.0	268.5	267.0	264.0	259.5	254.0	247.0	239.5	231.5	223.0
65	209.0	208.5	207.0	204.5	201.0	196.5	190.5	184.5	178.0	171.5
70	155.0	154.5	153.5	151.5	149.0	145.5	141.5	136.5	131.5	127.0
75	108.5	108.5	107.5	106.0	104.0	102.0	99.0	95.5	92.0	88.5
80	70.5	70.5	70.0	69.0	67.5	66.0	64.0	62.0	59.5	57.5
85	40.0	40.0	39.5	39.0	38.5	37.0	36.0	34.5	33.0	31.5
90	17.0	17.0	16.5	16.5	15.5	15.0	14.5	13.5	12.5	11.0
95	11.5	11.5	11.5	11.0	11.0	10.5	10.0	9.5	8.5	8.0
100	11.0	11.0	11.0	11.0	10.5	10.0	9.5	9.0	8.0	7.5
105	11.0	11.0	10.5	10.5	10.0	9.5	9.0	8.5	8.0	7.5
110	10.5	10.5	10.5	10.0	0.0	0.0	0.0	0.0	0.0	0.0
115	10.5	10.5	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180	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	813.5	813.5	813.5	813.5	813.5	813.5	813.5	813.5	813.5
5	809.0	808.5	808.5	808.5	808.5	808.5	808.5	808.5	808.5
10	793.5	793.0	792.5	792.0	791.5	791.0	791.0	790.5	790.5
15	767.0	765.5	764.0	762.5	761.0	760.0	759.5	759.0	759.0
20	728.5	725.5	722.5	720.0	717.5	716.0	714.0	713.5	713.0
25	678.5	673.5	669.0	665.0	661.0	658.0	655.5	654.0	654.0
30	618.5	611.5	605.0	598.5	593.5	589.0	586.0	584.0	583.5
35	550.5	541.5	533.0	525.5	519.0	514.0	510.0	507.5	507.0
40	477.5	467.5	458.0	449.5	442.5	436.5	432.5	430.0	429.0
45	405.0	394.5	384.5	376.0	368.5	363.0	358.5	356.0	355.5
50	335.5	325.5	316.0	308.0	301.5	296.0	292.0	289.5	289.0
55	272.0	263.0	254.5	247.5	241.5	237.0	233.5	231.5	231.0
60	215.0	207.5	200.5	195.0	190.0	186.5	183.5	182.0	181.5

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CANDELA TABULATION - (Cont.)

65	165.0	159.5	154.0	149.5	145.5	142.5	140.5	139.0	138.5
70	122.0	118.0	114.0	110.5	107.5	105.0	103.5	102.0	102.0
75	85.5	82.5	79.5	77.0	75.0	73.0	71.5	70.5	70.0
80	55.0	53.0	51.0	49.0	47.5	46.0	45.0	44.0	44.0
85	30.0	29.0	27.5	26.0	24.5	23.5	22.5	21.5	21.0
90	10.0	9.0	8.0	6.5	5.5	4.5	3.5	2.5	2.0
95	7.0	6.5	5.5	4.5	3.5	2.5	2.0	1.0	1.0
100	7.0	6.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
105	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180	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	292.98	N.A.	15.80
0-30	606.47	N.A.	32.80
0-40	954.65	N.A.	51.60
0-60	1529.58	N.A.	82.70
0-80	1798.3	N.A.	97.30
0-90	1833.91	N.A.	99.20
10-90	1757.16	N.A.	95.00
20-40	661.67	N.A.	35.80
20-50	982.67	N.A.	53.10
40-70	747.65	N.A.	40.40
60-80	268.72	N.A.	14.50
70-80	96.00	N.A.	5.20
80-90	35.60	N.A.	1.90
90-110	13.54	N.A.	0.70
90-120	14.96	N.A.	0.80
90-130	15.16	N.A.	0.80
90-150	15.16	N.A.	0.80
90-180	15.16	N.A.	0.80
110-180	1.62	N.A.	0.10
0-180	1849.06	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	76.75
10-20	216.23
20-30	313.49
30-40	348.18
40-50	320.99
50-60	253.94
60-70	172.71
70-80	96.00
80-90	35.60
90-100	8.53
100-110	5.01
110-120	1.42
120-130	0.19
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

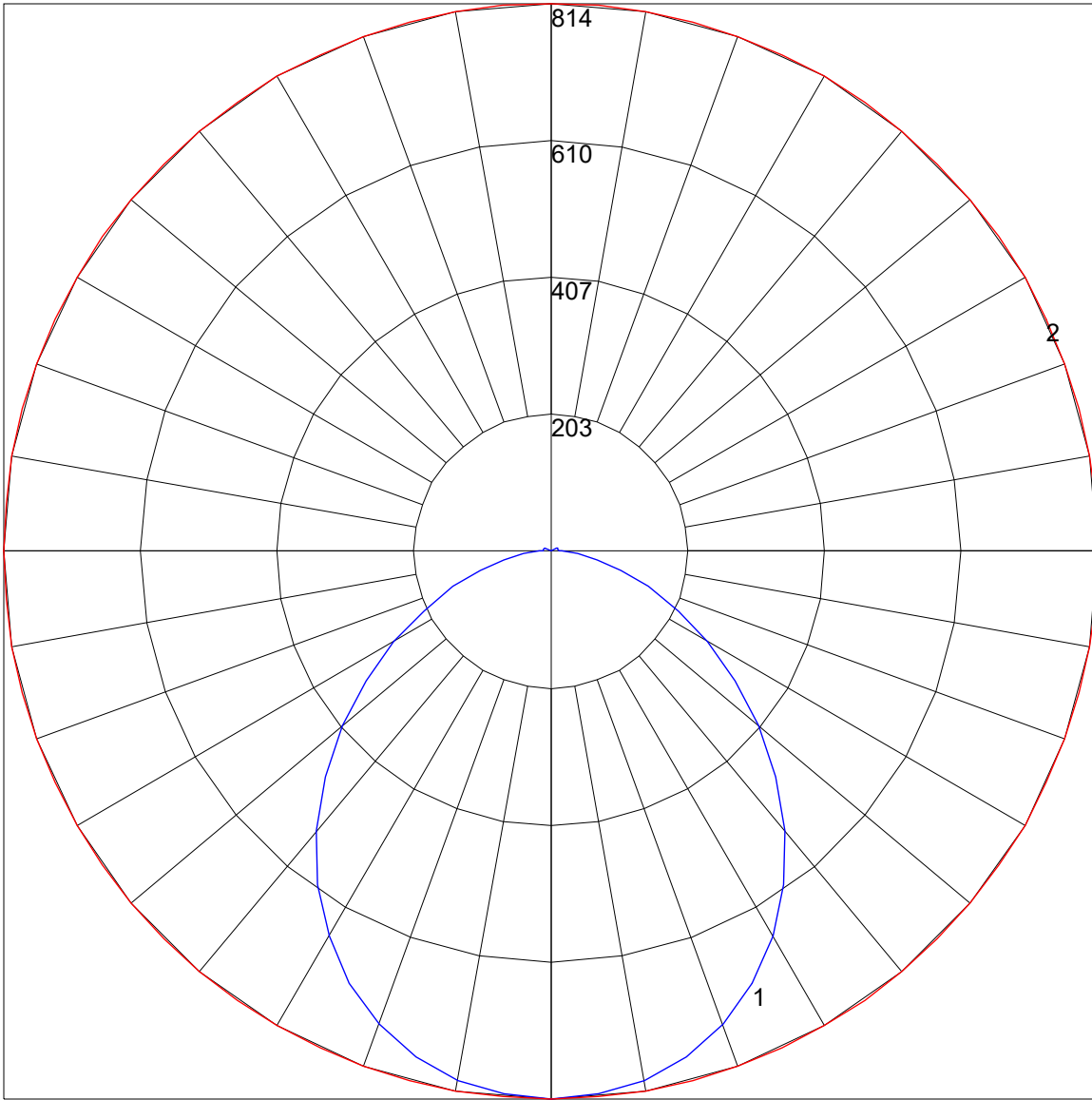
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	101	101	101	99
1	109	105	101	97	107	102	99	96	98	95	92	94	92	89	90	88	87	85
2	100	92	86	81	98	90	85	80	87	82	78	84	79	76	80	77	74	72
3	92	82	74	68	89	80	73	68	77	71	66	75	69	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47
6	73	60	51	45	71	59	51	45	57	50	45	55	49	44	54	48	44	42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	49	44	39	37
8	63	50	42	36	61	49	42	36	48	41	36	47	40	36	45	40	35	34
9	59	46	38	33	58	46	38	33	44	37	33	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	29	28

POLAR GRAPH



Maximum Candela = 813.5 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.)