

IES Report

ZipTwo® | 707 | 60° Symmetric | 90 CRI | LO

707-Z2-4-48-XX-XX-X-0-Z-LO-359-S2-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	64	66	67	69
Total Lumens, 4' rail length (1219mm)	1030	1063	1084	1106
Lumens per foot (305mm)	258	266	271	276
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	95	95	95	95

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_359_S2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L071704224 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
[ISSUEDATE] 11/1/2017
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z2-48-Z-LO-359-S2-AL
[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,
[MORE] 60° white symmetric lens, low output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1084
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	16.25
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.08
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.20
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.02 ft
Luminous Width (90-270)	4.02 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	32221	48235	55470
55	19385	31873	40198
65	13881	21306	28408
75	11333	15550	20558
85	8609	10175	13305

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CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0	572.22	572.22	572.22	572.22	572.22	572.22	572.22	572.22	572.22	572.22
5	569.67	569.67	569.67	569.67	569.67	569.67	569.67	569.67	570.18	570.18
10	559.47	559.47	559.98	559.98	560.49	560.49	561.00	561.51	561.51	562.02
15	539.07	539.58	540.09	540.60	541.62	542.64	543.66	544.68	545.70	547.23
20	505.92	505.92	506.94	508.47	510.51	512.55	515.10	517.65	520.71	522.75
25	456.96	457.47	459.51	462.06	465.63	469.71	474.81	479.40	483.99	488.58
30	393.21	394.23	396.78	401.37	406.98	414.12	421.26	429.42	437.07	444.21
35	317.22	318.75	322.32	327.93	336.09	345.78	355.98	366.69	377.91	388.11
40	238.68	240.21	244.29	250.92	260.10	270.81	283.05	296.82	310.59	323.34
45	170.34	171.87	175.44	181.56	189.72	200.43	212.16	226.44	240.72	255.00
50	118.83	119.34	122.40	126.99	133.62	142.29	152.49	164.22	177.48	190.23
55	83.13	83.64	85.68	88.74	93.84	99.96	107.10	116.28	125.97	136.68
60	59.16	59.67	61.20	63.24	66.81	70.89	75.48	81.60	88.74	95.88
65	43.86	43.86	44.88	45.90	47.94	50.49	53.55	57.63	62.22	67.32
70	32.13	32.13	32.64	33.66	34.68	36.21	38.25	40.29	43.35	45.90
75	21.93	21.93	22.44	22.95	23.46	24.48	25.50	26.52	28.05	30.09
80	12.75	13.26	13.26	13.26	13.77	14.28	14.79	15.30	15.81	16.83
85	5.61	5.61	5.61	5.61	5.61	5.61	6.12	6.12	6.63	6.63
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	50	55	60	65	70	75	80	85	90
0	572.22	572.22	572.22	572.22	572.22	572.22	572.22	572.22	572.22
5	570.18	570.18	570.18	570.18	570.18	570.18	570.18	570.18	570.18
10	562.53	562.53	563.04	563.04	563.55	563.55	563.55	563.55	564.06
15	548.25	548.76	549.78	550.29	550.80	550.80	551.31	551.31	551.31
20	525.30	526.83	528.36	529.38	530.40	530.91	531.42	531.42	531.42
25	492.66	496.23	498.78	500.82	501.84	502.86	502.86	503.37	503.37
30	450.33	455.43	459.51	462.06	464.10	465.12	465.12	465.12	465.12
35	397.29	404.43	409.53	413.10	415.65	416.16	416.67	416.16	416.16
40	334.56	343.74	350.37	354.45	357.00	358.02	358.02	357.51	357.51
45	267.75	277.95	285.60	290.70	293.25	294.27	293.76	293.25	293.25
50	202.98	213.18	221.34	226.44	228.99	230.01	230.01	229.50	229.50
55	147.39	156.57	163.71	168.30	171.36	172.38	172.89	172.38	172.38
60	103.53	111.18	116.79	121.38	123.93	124.95	125.46	125.97	125.46
65	72.42	77.52	81.60	85.17	87.21	88.74	89.25	89.25	89.76
70	49.47	52.53	55.59	58.14	59.67	60.69	61.20	61.71	61.71
75	31.62	33.66	35.19	36.72	38.25	38.76	39.27	39.78	39.78
80	17.85	18.87	19.38	20.40	20.91	21.42	21.93	21.93	21.93
85	7.14	7.65	7.65	8.16	8.16	8.16	8.67	8.67	8.67
90	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	207.81	N.A.	19.20
0-30	429.82	N.A.	39.60
0-40	664.54	N.A.	61.30
0-60	974.42	N.A.	89.90
0-80	1075.78	N.A.	99.20
0-90	1084.26	N.A.	100.00
10-90	1030.11	N.A.	95.00
20-40	456.73	N.A.	42.10
20-50	645.40	N.A.	59.50
40-70	378.23	N.A.	34.90
60-80	101.36	N.A.	9.30
70-80	33.01	N.A.	3.00
80-90	8.48	N.A.	0.80
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	1084.26	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	54.14
10-20	153.67
20-30	222.01
30-40	234.72
40-50	188.67
50-60	121.21
60-70	68.35
70-80	33.01
80-90	8.48
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

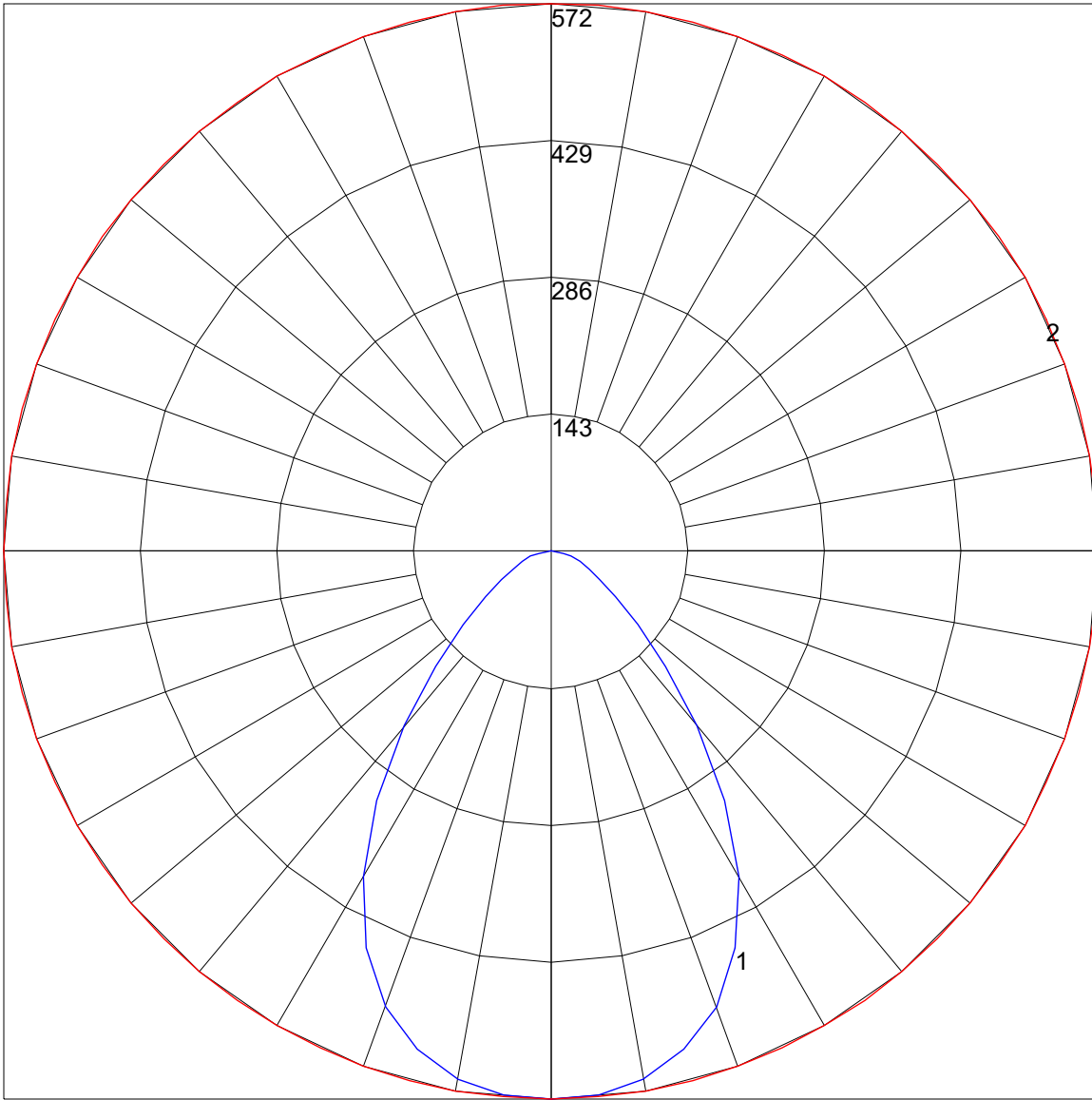
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	74	71	77	73	69	67
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60
5	82	71	63	57	80	69	62	57	67	61	56	66	60	55	64	59	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47
7	71	59	51	46	70	58	51	46	57	50	45	55	49	45	54	49	45	43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39
9	63	50	43	38	61	50	43	38	49	42	37	48	42	37	47	41	37	35
10	59	47	39	35	58	46	39	35	45	39	34	44	38	34	44	38	34	33

POLAR GRAPH



Maximum Candela = 572.22 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.)