

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	79	81	83	85
Total Lumens, 4' rail length (1219mm)	3090	3188	3253	3318
Lumens per foot (305mm)	773	797	813	829
Input Power (W), 4' rail length (1219mm)	39.4	39.4	39.4	39.4
Watts per foot (305mm)	9.9	9.9	9.9	9.9
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_HO_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-HO-359-S2-AL
[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,
[MORE] 60° white symmetric lens, high output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3253
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	39.36
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	96663	144705	166411
55	58156	95619	120594
65	41644	63918	85224
75	33999	46650	61673
85	25828	30524	39916

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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	1716.66	1716.66	1716.66	1716.66	1716.66	1716.66	1716.66	1716.66	1716.66	1716.66
5	1709.01	1709.01	1709.01	1709.01	1709.01	1709.01	1709.01	1709.01	1710.54	1710.54
10	1678.41	1678.41	1679.94	1679.94	1681.47	1681.47	1683.00	1684.53	1684.53	1686.06
15	1617.21	1618.74	1620.27	1621.80	1624.86	1627.92	1630.98	1634.04	1637.10	1641.69
20	1517.76	1517.76	1520.82	1525.41	1531.53	1537.65	1545.30	1552.95	1562.13	1568.25
25	1370.88	1372.41	1378.53	1386.18	1396.89	1409.13	1424.43	1438.20	1451.97	1465.74
30	1179.63	1182.69	1190.34	1204.11	1220.94	1242.36	1263.78	1288.26	1311.21	1332.63
35	951.66	956.25	966.96	983.79	1008.27	1037.34	1067.94	1100.07	1133.73	1164.33
40	716.04	720.63	732.87	752.76	780.30	812.43	849.15	890.46	931.77	970.02
45	511.02	515.61	526.32	544.68	569.16	601.29	636.48	679.32	722.16	765.00
50	356.49	358.02	367.20	380.97	400.86	426.87	457.47	492.66	532.44	570.69
55	249.39	250.92	257.04	266.22	281.52	299.88	321.30	348.84	377.91	410.04
60	177.48	179.01	183.60	189.72	200.43	212.67	226.44	244.80	266.22	287.64
65	131.58	131.58	134.64	137.70	143.82	151.47	160.65	172.89	186.66	201.96
70	96.39	96.39	97.92	100.98	104.04	108.63	114.75	120.87	130.05	137.70
75	65.79	65.79	67.32	68.85	70.38	73.44	76.50	79.56	84.15	90.27
80	38.25	39.78	39.78	39.78	41.31	42.84	44.37	45.90	47.43	50.49
85	16.83	16.83	16.83	16.83	16.83	16.83	18.36	18.36	19.89	19.89
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. 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	1716.66	1716.66	1716.66	1716.66	1716.66	1716.66	1716.66	1716.66	1716.66
5	1710.54	1710.54	1710.54	1710.54	1710.54	1710.54	1710.54	1710.54	1710.54
10	1687.59	1687.59	1689.12	1689.12	1690.65	1690.65	1690.65	1690.65	1692.18
15	1644.75	1646.28	1649.34	1650.87	1652.40	1652.40	1653.93	1653.93	1653.93
20	1575.90	1580.49	1585.08	1588.14	1591.20	1592.73	1594.26	1594.26	1594.26
25	1477.98	1488.69	1496.34	1502.46	1505.52	1508.58	1508.58	1510.11	1510.11
30	1350.99	1366.29	1378.53	1386.18	1392.30	1395.36	1395.36	1395.36	1395.36
35	1191.87	1213.29	1228.59	1239.30	1246.95	1248.48	1250.01	1248.48	1248.48
40	1003.68	1031.22	1051.11	1063.35	1071.00	1074.06	1074.06	1072.53	1072.53
45	803.25	833.85	856.80	872.10	879.75	882.81	881.28	879.75	879.75
50	608.94	639.54	664.02	679.32	686.97	690.03	690.03	688.50	688.50
55	442.17	469.71	491.13	504.90	514.08	517.14	518.67	517.14	517.14
60	310.59	333.54	350.37	364.14	371.79	374.85	376.38	377.91	376.38
65	217.26	232.56	244.80	255.51	261.63	266.22	267.75	267.75	269.28
70	148.41	157.59	166.77	174.42	179.01	182.07	183.60	185.13	185.13
75	94.86	100.98	105.57	110.16	114.75	116.28	117.81	119.34	119.34
80	53.55	56.61	58.14	61.20	62.73	64.26	65.79	65.79	65.79
85	21.42	22.95	22.95	24.48	24.48	24.48	26.01	26.01	26.01
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	623.43	N.A.	19.20
0-30	1289.46	N.A.	39.60
0-40	1993.63	N.A.	61.30
0-60	2923.27	N.A.	89.90
0-80	3227.34	N.A.	99.20
0-90	3252.77	N.A.	100.00
10-90	3090.34	N.A.	95.00
20-40	1370.2	N.A.	42.10
20-50	1936.2	N.A.	59.50
40-70	1134.69	N.A.	34.90
60-80	304.08	N.A.	9.30
70-80	99.02	N.A.	3.00
80-90	25.43	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	3252.77	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	162.43
10-20	461.00
20-30	666.04
30-40	704.17
40-50	566.00
50-60	363.64
60-70	205.06
70-80	99.02
80-90	25.43
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

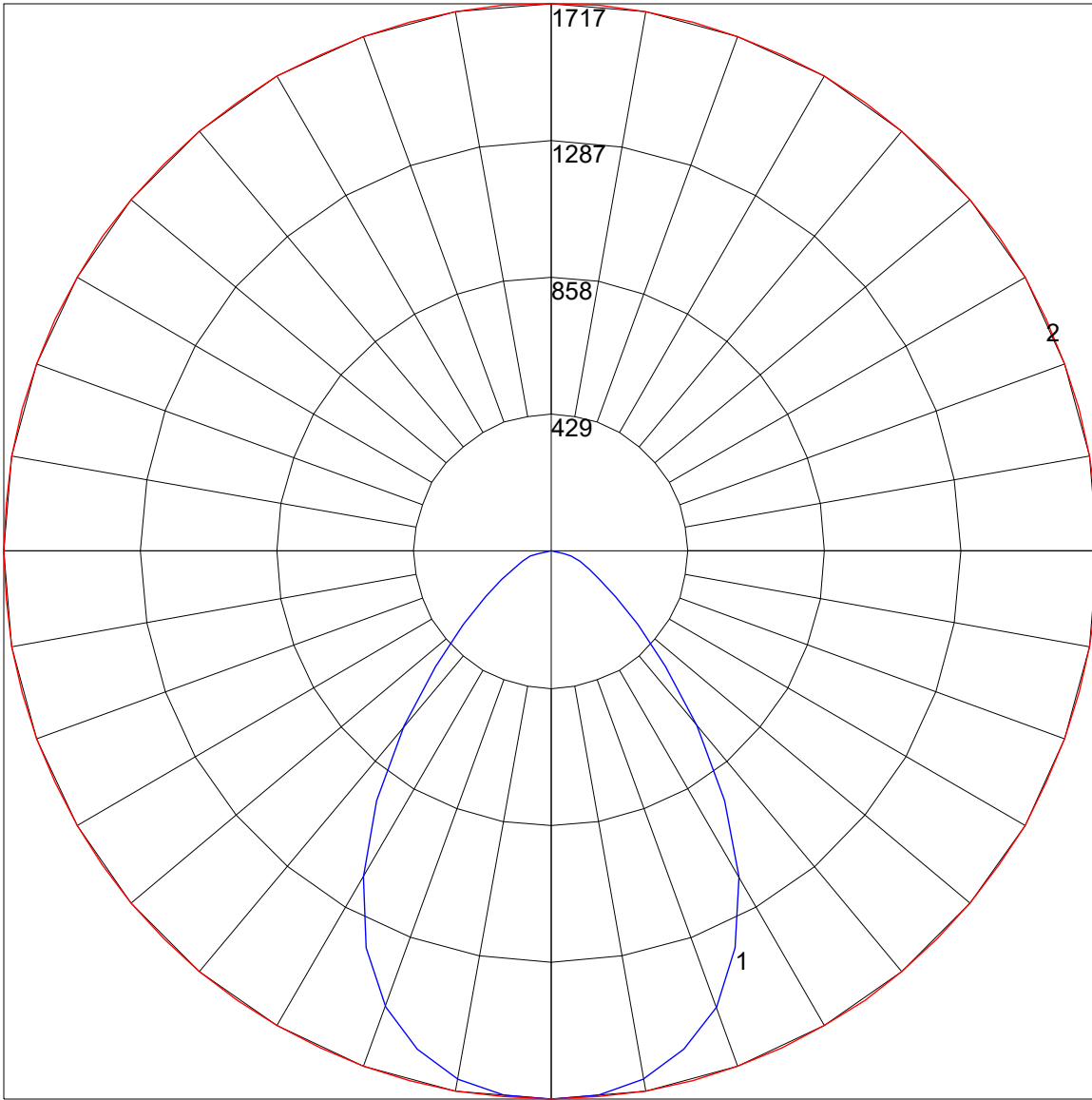
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	84	78	73	82	76	72	79	74	70	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 = 1716.66 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.)