

IES Report

ZipTwo® | 707 | Square, Critical Edge | 80 CRI | LO

707-Z2-4-48-XX-XX-X-0-Z-LO-35-S5-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	52	54	55	56
Total Lumens, 4' rail length (1219mm)	845	871	889	907
Lumens per foot (305mm)	211	218	222	227
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_S5.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L071704232 (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-35-S5
[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,
[MORE] critical edge diffuse lens, low output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	887
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	55
Total Luminaire Watts	16.25
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.13 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	5746	5800	5880
55	5471	5515	5617
65	5157	5195	5241
75	4842	4877	4830
85	4754	4644	4477

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	329.969	329.969	329.969	329.969	329.969
5	327.757	327.780	327.999	328.046	328.046
10	321.190	321.237	321.532	322.022	322.411
15	310.753	310.877	311.585	312.641	313.154
20	296.941	297.549	298.729	300.121	300.711
25	280.333	280.769	282.805	284.398	285.377
30	261.470	261.984	263.818	266.049	267.447
35	241.086	241.629	243.611	246.231	247.552
40	219.043	220.170	222.082	224.725	225.463
45	197.438	196.995	199.296	198.222	202.040
50	175.436	175.413	177.177	179.065	180.581
55	152.509	152.609	153.736	155.548	156.580
60	128.160	129.092	130.172	131.175	131.051
65	105.923	106.017	106.701	107.315	107.634
70	84.116	83.408	83.727	83.945	84.854
75	60.900	61.018	61.336	60.947	60.752
80	43.406	42.232	43.017	39.754	42.232
85	20.137	19.889	19.671	19.134	18.963
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	119.00	N.A.	13.40
0-30	249.18	N.A.	28.10
0-40	401.78	N.A.	45.30
0-60	693.44	N.A.	78.20
0-80	864.68	N.A.	97.50
0-90	886.75	N.A.	100.00
10-90	855.65	N.A.	96.50
20-40	282.79	N.A.	31.90
20-50	436.69	N.A.	49.20
40-70	397.46	N.A.	44.80
60-80	171.24	N.A.	19.30
70-80	65.44	N.A.	7.40
80-90	22.07	N.A.	2.50
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	886.75	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	31.10
10-20	87.89
20-30	130.19
30-40	152.60
40-50	153.90
50-60	137.76
60-70	105.81
70-80	65.44
80-90	22.07
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

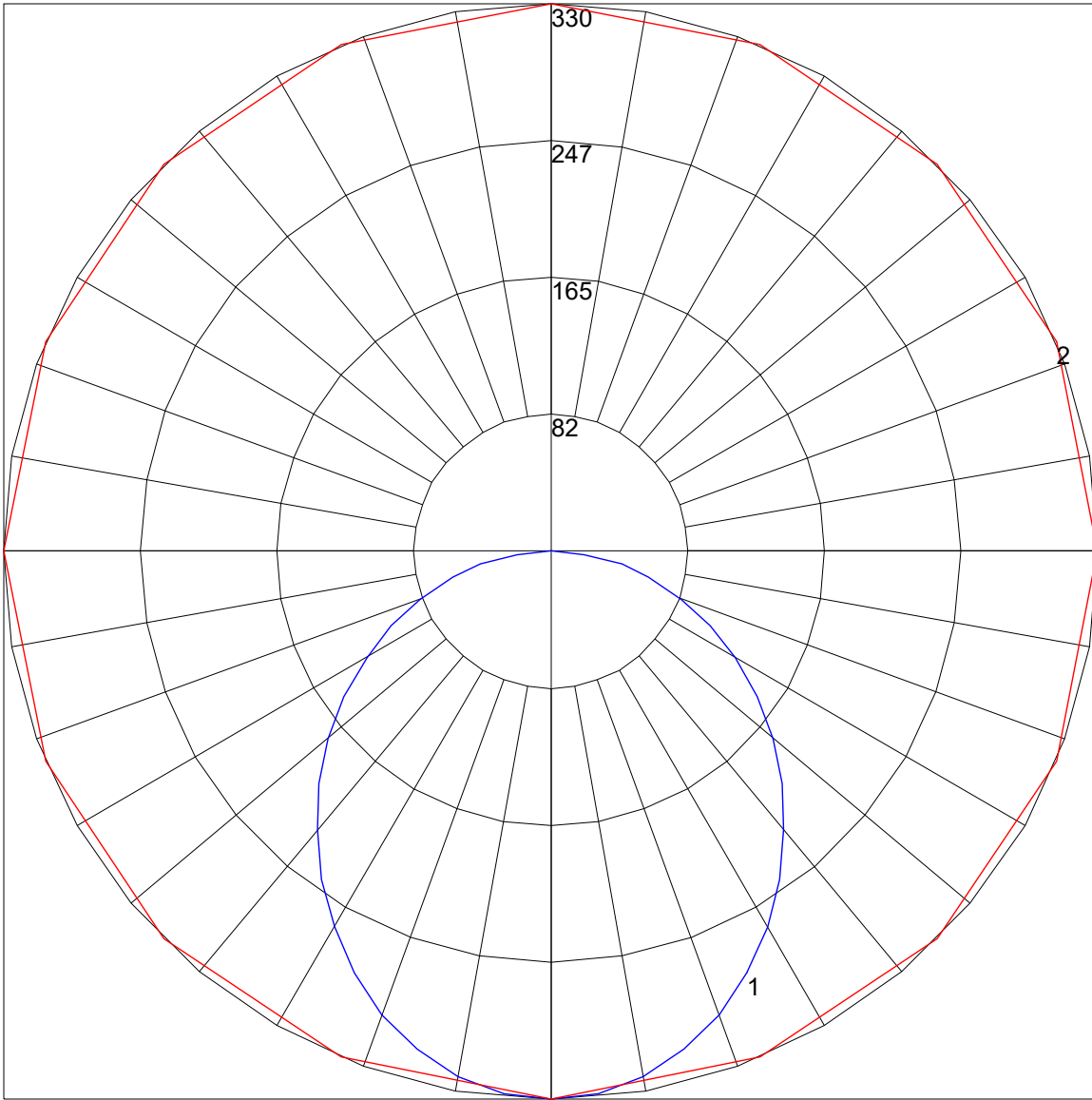
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	70	61	55	80	69	61	54	66	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	38	33	59	46	38	32	45	38	32	44	37	32	43	36	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

POLAR GRAPH



Maximum Candela = 329.969 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.)