

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	65	67	69	70
Total Lumens, 4' rail length (1219mm)	1689	1743	1778	1814
Lumens per foot (305mm)	422	436	445	453
Input Power (W), 4' rail length (1219mm)	26.1	26.1	26.1	26.1
Watts per foot (305mm)	6.6	6.6	6.6	6.6
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_SO_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-SO-35-S5
[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,
[MORE] critical edge diffuse lens, standard output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1774
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	26.19
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	11491	11599	11759
55	10943	11031	11235
65	10315	10391	10481
75	9684	9753	9660
85	9508	9288	8954

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	659.939	659.939	659.939	659.939	659.939
5	655.514	655.561	655.997	656.092	656.092
10	642.380	642.475	643.065	644.044	644.823
15	621.506	621.754	623.170	625.282	626.309
20	593.882	595.098	597.458	600.242	601.422
25	560.665	561.538	565.609	568.795	570.754
30	522.941	523.967	527.637	532.097	534.894
35	482.172	483.257	487.222	492.461	495.104
40	438.087	440.341	444.164	449.450	450.925
45	394.875	393.990	398.592	396.445	404.079
50	350.873	350.826	354.354	358.130	361.163
55	305.018	305.219	307.473	311.095	313.160
60	256.320	258.184	260.343	262.349	262.102
65	211.845	212.034	213.403	214.630	215.267
70	168.233	166.817	167.454	167.890	169.708
75	121.800	122.036	122.673	121.894	121.505
80	86.813	84.464	86.034	79.508	84.464
85	40.273	39.778	39.341	38.267	37.925
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	237.99	N.A.	13.40
0-30	498.36	N.A.	28.10
0-40	803.57	N.A.	45.30
0-60	1386.88	N.A.	78.20
0-80	1729.37	N.A.	97.50
0-90	1773.51	N.A.	100.00
10-90	1711.3	N.A.	96.50
20-40	565.57	N.A.	31.90
20-50	873.37	N.A.	49.20
40-70	794.93	N.A.	44.80
60-80	342.49	N.A.	19.30
70-80	130.87	N.A.	7.40
80-90	44.14	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	1773.51	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	62.21
10-20	175.79
20-30	260.37
30-40	305.20
40-50	307.80
50-60	275.52
60-70	211.61
70-80	130.87
80-90	44.14
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

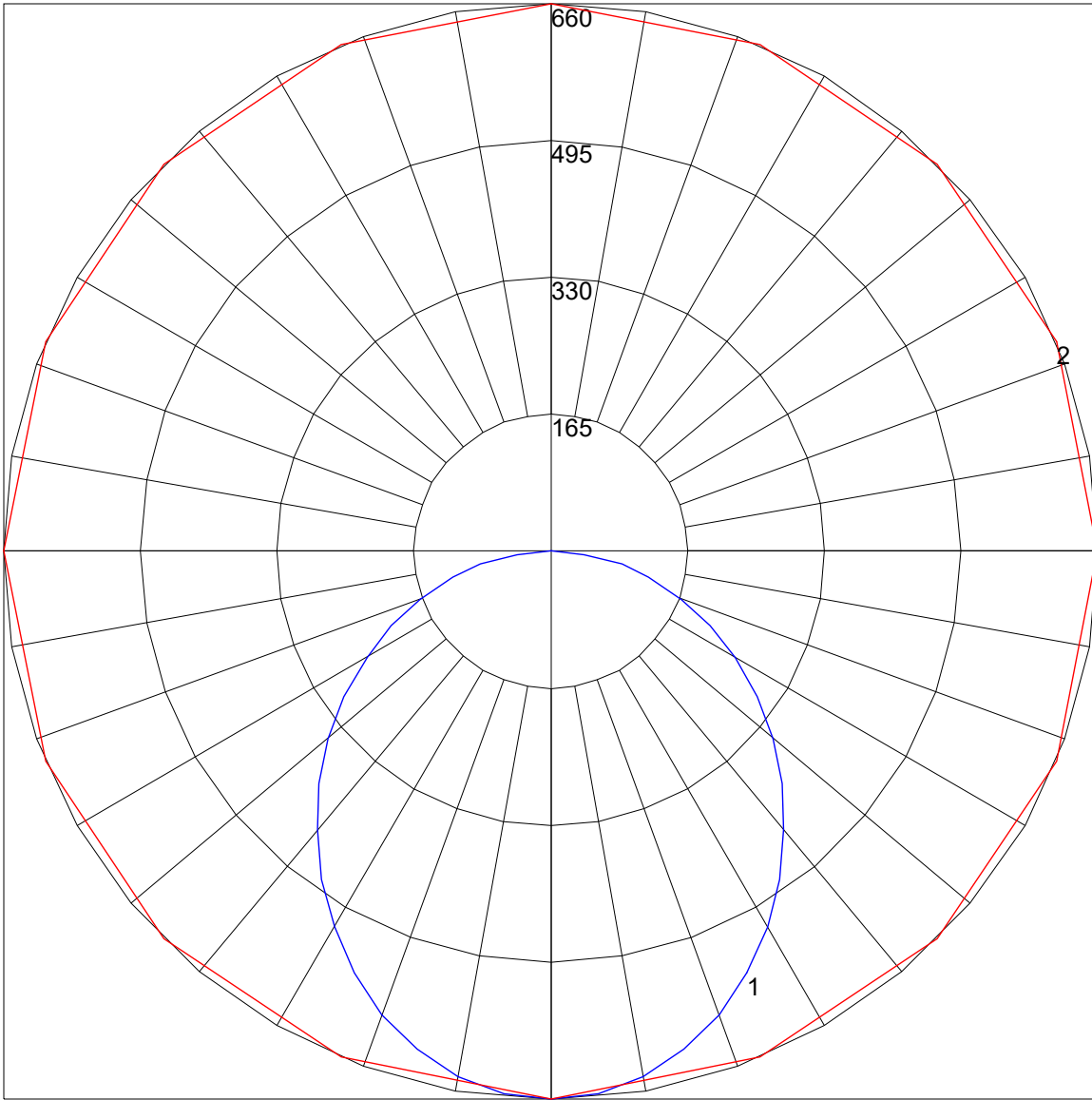
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 659.939 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.)