

IES Report

ZipTwo® | 707 | Square, Diffuse | 80 CRI | SO

707-Z2-4-48-XX-XX-X-0-Z-SO-35-S6-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	126	130	132	135
Total Lumens, 4' rail length (1219mm)	3269	3372	3441	3510
Lumens per foot (305mm)	817	843	860	877
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_S6.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L071704233 (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-S6
[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,
[MORE] diffuse square lens, standard output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3432
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	26.17
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.70
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.64
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	4.02 ft
Luminous Height	0.10 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10326	9596	9830
55	10300	9306	9203
65	9979	8917	8588
75	9320	8544	7962
85	8576	8088	7206

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	562.400	562.400	562.400	562.400	562.400
5	577.811	576.147	571.238	564.040	558.801
10	592.797	589.221	578.294	563.013	549.196
15	603.877	598.390	580.312	555.910	532.735
20	613.081	603.723	577.704	543.119	510.987
25	619.842	606.768	571.344	525.584	485.122
30	625.329	607.889	561.538	503.931	453.179
35	629.058	606.862	549.101	478.844	418.983
40	630.427	603.428	533.372	451.020	383.701
45	627.784	596.230	514.905	420.741	346.177
50	619.158	583.888	492.803	386.839	305.703
55	602.496	565.267	467.386	355.735	265.630
60	577.315	539.933	438.523	321.043	225.463
65	543.024	506.432	403.643	284.498	185.779
70	500.993	466.548	370.225	247.458	146.875
75	453.757	423.242	332.654	211.692	109.445
80	403.100	378.756	293.065	175.973	77.207
85	355.676	332.111	254.125	141.730	39.200
90	314.918	290.811	220.955	111.357	13.912
95	295.130	275.483	208.954	107.392	9.216
100	282.197	263.482	201.060	104.548	9.015
105	270.432	252.308	193.319	101.220	8.815
110	259.069	241.428	184.941	97.692	8.720
115	247.021	229.970	175.832	92.842	8.520
120	233.982	217.332	166.038	87.355	8.425
125	219.775	204.046	155.595	79.367	8.331
130	204.199	189.449	140.798	71.331	8.130
135	187.242	172.799	123.463	62.564	8.036
140	168.823	155.642	107.935	54.776	7.741
145	148.940	134.532	92.842	46.350	7.540
150	127.865	110.814	80.889	39.294	7.646
155	106.117	88.476	66.186	32.143	0.000
160	83.780	65.844	50.315	27.140	0.000
165	58.894	47.035	36.792	21.948	0.000
170	34.975	30.715	26.361	16.260	0.000
175	16.166	17.830	15.340	10.537	0.000
180	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	217.35	N.A.	6.30
0-30	477.85	N.A.	13.90
0-40	816.20	N.A.	23.80
0-60	1613.26	N.A.	47.00
0-80	2329.19	N.A.	67.90
0-90	2583.22	N.A.	75.30
10-90	2528.71	N.A.	73.70
20-40	598.85	N.A.	17.50
20-50	988.55	N.A.	28.80
40-70	1183.00	N.A.	34.50
60-80	715.93	N.A.	20.90
70-80	329.99	N.A.	9.60
80-90	254.02	N.A.	7.40
90-110	385.51	N.A.	11.20
90-120	540.86	N.A.	15.80
90-130	664.69	N.A.	19.40
90-150	808.94	N.A.	23.60
90-180	848.51	N.A.	24.70
110-180	463.00	N.A.	13.50
0-180	3431.73	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	54.51
10-20	162.84
20-30	260.50
30-40	338.36
40-50	389.70
50-60	407.36
60-70	385.94
70-80	329.99
80-90	254.02
90-100	203.93
100-110	181.58
110-120	155.35
120-130	123.83
130-140	88.66
140-150	55.60
150-160	28.19
160-170	9.95
170-180	1.43

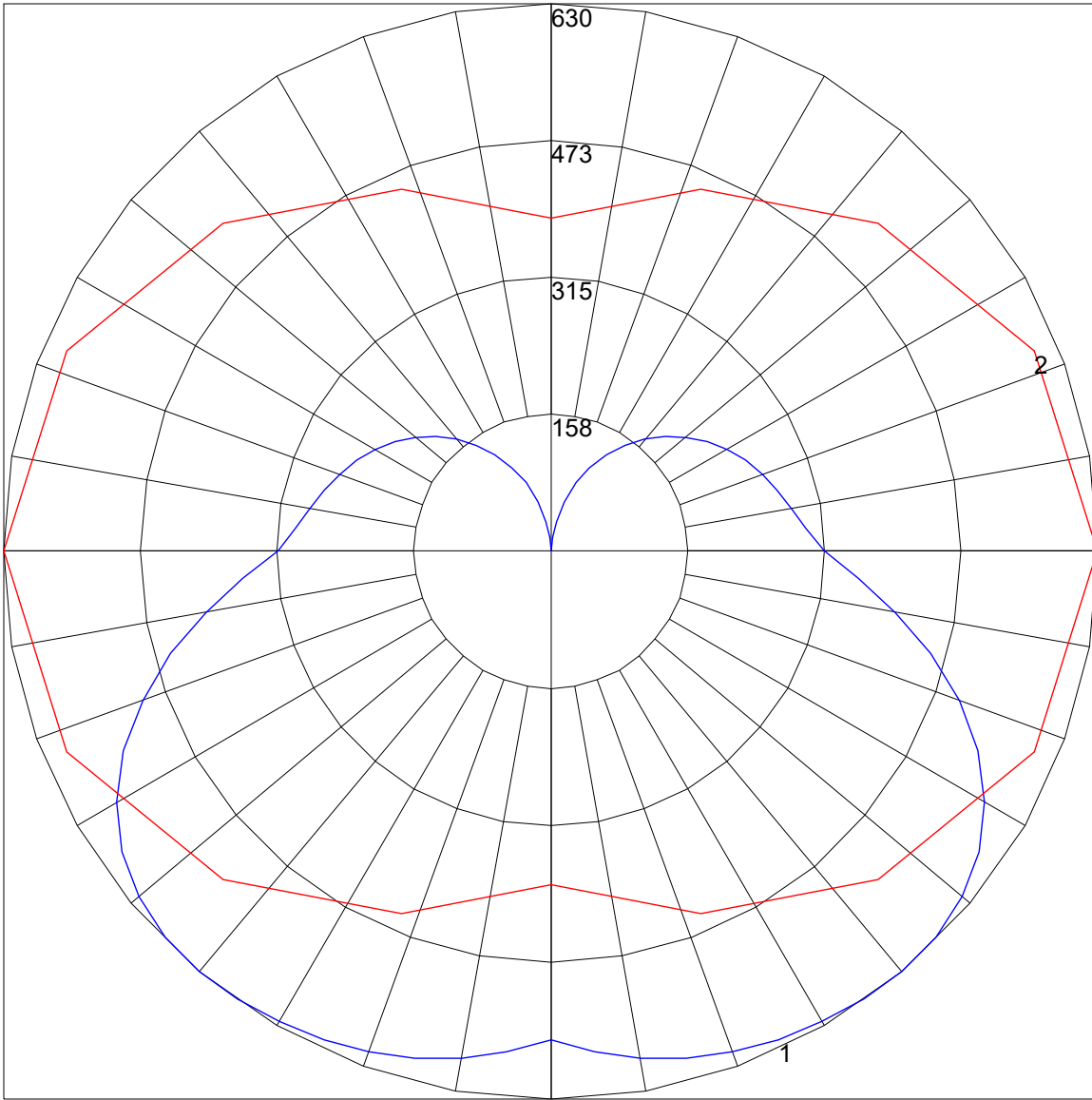
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75	0
1	100	94	88	84	94	89	84	80	80	76	73	72	69	66	65	62	60	56	0
2	89	80	72	65	84	76	69	63	68	62	57	61	56	52	55	51	48	44	0
3	81	69	60	53	76	66	57	51	59	52	47	53	47	43	47	43	39	36	0
4	73	60	51	44	69	57	49	42	52	44	39	46	40	36	41	37	33	29	0
5	67	53	44	37	63	51	42	35	46	38	33	41	35	30	37	32	28	25	0
6	62	48	38	32	58	45	37	30	41	34	28	37	31	26	33	28	24	21	0
7	57	43	34	27	54	41	32	26	37	30	25	33	27	23	30	25	21	18	0
8	53	39	30	24	50	37	29	23	34	27	22	31	24	20	28	22	19	16	0
9	49	35	27	21	46	34	26	21	31	24	19	28	22	18	25	20	17	14	0
10	46	32	24	19	43	31	24	18	28	22	17	26	20	16	23	18	15	13	0

POLAR GRAPH



Maximum Candela = 630.427 Located At Horizontal Angle = 0, Vertical Angle = 40
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (40) (Through Max. Cd.)