

**IES Report**

**ZipTwo® | 707 | Ceiling Cable | Square 3535, Critical Edge | 80 CRI | SO**

707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-SO-X-S5-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	68	70	71	71
Total Lumens, 4' rail length (1219mm)	1753	1809	1846	1846
Lumens per foot (305mm)	438	452	461	461
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	82	82	82	82

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\_CC\_SO\_35\_S5\_BL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L121911532 (SOURCE REPORT FOR REFERENCE)  
[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB  
[ISSUE DATE] 5/12/2021  
[MANUFAC] Vode Lighting  
[LUMCAT] 707-Z2-48-CC-Z-SO-35-S5-BL  
[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 80 CRI, zipper board, square 3535,  
[MORE] critical edge lens, standard output, black anodized finish  
[TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1845
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	26.11
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.11 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14186	14364	14551
55	13532	13689	13853
65	12893	12995	13108
75	12398	12406	12449
85	13016	12864	12762

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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>
<b>0</b>	669.142	669.142	669.142	669.142	669.142	669.142	669.142	669.142	669.142	669.142
<b>5</b>	666.206	665.936	665.936	666.065	666.022	666.162	666.162	666.378	666.022	666.292
<b>10</b>	654.440	654.440	654.300	654.527	654.527	654.710	654.937	654.980	655.120	655.250
<b>15</b>	634.989	634.849	635.076	635.119	635.443	635.572	635.799	636.166	636.436	636.846
<b>20</b>	608.566	608.479	608.523	608.879	609.062	609.516	610.012	610.422	611.005	611.415
<b>25</b>	575.817	576.043	576.216	576.540	576.853	577.576	578.073	578.709	579.249	580.016
<b>30</b>	539.074	539.301	539.527	539.851	540.304	540.974	541.708	542.474	543.381	544.233
<b>35</b>	498.542	498.586	498.855	499.266	499.859	500.539	501.263	502.158	503.108	504.015
<b>40</b>	455.388	455.431	455.615	456.111	456.694	457.417	458.141	459.144	459.997	460.947
<b>45</b>	410.420	410.507	410.647	411.003	411.500	412.180	412.946	413.766	414.716	415.569
<b>50</b>	364.449	364.405	364.589	364.902	365.355	365.992	366.629	367.298	367.978	368.799
<b>55</b>	317.581	317.538	317.721	318.034	318.401	318.855	319.351	320.031	320.657	321.251
<b>60</b>	270.174	270.260	270.303	270.584	270.811	271.210	271.577	271.987	272.430	273.023
<b>65</b>	222.939	222.939	223.036	223.123	223.349	223.619	223.846	224.116	224.440	224.709
<b>70</b>	176.709	176.709	176.838	176.892	176.892	177.162	177.205	177.248	177.475	177.615
<b>75</b>	131.287	131.287	131.244	131.287	131.287	131.374	131.331	131.417	131.374	131.374
<b>80</b>	88.403	88.349	88.349	88.306	88.349	88.306	88.219	88.176	88.133	88.036
<b>85</b>	46.414	46.457	46.414	46.414	46.328	46.285	46.231	46.101	46.058	45.874
<b>90</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Angles**      **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>
<b>0</b>	669.142	669.142	669.142	669.142	669.142	669.142	669.142	669.142	669.142
<b>5</b>	666.249	666.335	666.335	666.335	666.335	666.378	666.378	666.475	666.378
<b>10</b>	655.433	655.617	655.617	655.887	656.070	656.027	656.200	656.113	656.254
<b>15</b>	637.159	637.472	637.742	638.023	638.249	638.476	638.562	638.649	638.692
<b>20</b>	611.912	612.462	612.905	613.455	613.768	614.135	614.308	614.535	614.448
<b>25</b>	580.879	581.516	582.099	582.876	583.319	583.686	584.042	584.182	584.322
<b>30</b>	545.140	545.907	546.770	547.450	548.173	548.670	548.940	549.253	549.307
<b>35</b>	505.008	505.915	506.865	507.642	508.365	508.905	509.261	509.585	509.585
<b>40</b>	461.994	462.890	463.894	464.574	465.340	465.923	466.333	466.517	466.787
<b>45</b>	416.476	417.426	418.289	419.055	419.735	420.329	420.729	421.052	420.998
<b>50</b>	369.651	370.331	371.011	371.735	372.328	372.728	373.138	373.451	373.505
<b>55</b>	321.974	322.654	323.237	323.874	324.284	324.640	324.953	325.137	325.094
<b>60</b>	273.477	274.060	274.470	274.966	275.290	275.603	275.830	275.959	276.057
<b>65</b>	225.109	225.390	225.746	226.059	226.242	226.469	226.609	226.739	226.652
<b>70</b>	177.702	177.885	178.069	178.155	178.338	178.468	178.565	178.608	178.608
<b>75</b>	131.514	131.471	131.557	131.471	131.557	131.557	131.698	131.784	131.827
<b>80</b>	87.993	87.906	87.809	87.852	87.809	87.809	87.852	87.906	87.950
<b>85</b>	45.788	45.788	45.691	45.561	45.508	45.561	45.561	45.508	45.508
<b>90</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	242.76	N.A.	13.20
0-30	510.02	N.A.	27.60
0-40	825.40	N.A.	44.70
0-60	1433.7	N.A.	77.70
0-80	1796.16	N.A.	97.30
0-90	1845.16	N.A.	100.00
10-90	1781.92	N.A.	96.60
20-40	582.65	N.A.	31.60
20-50	903.48	N.A.	49.00
40-70	831.22	N.A.	45.00
60-80	362.46	N.A.	19.60
70-80	139.53	N.A.	7.60
80-90	49.00	N.A.	2.70
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	1845.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	63.24
10-20	179.52
20-30	267.26
30-40	315.39
40-50	320.84
50-60	287.46
60-70	222.93
70-80	139.53
80-90	49.00
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

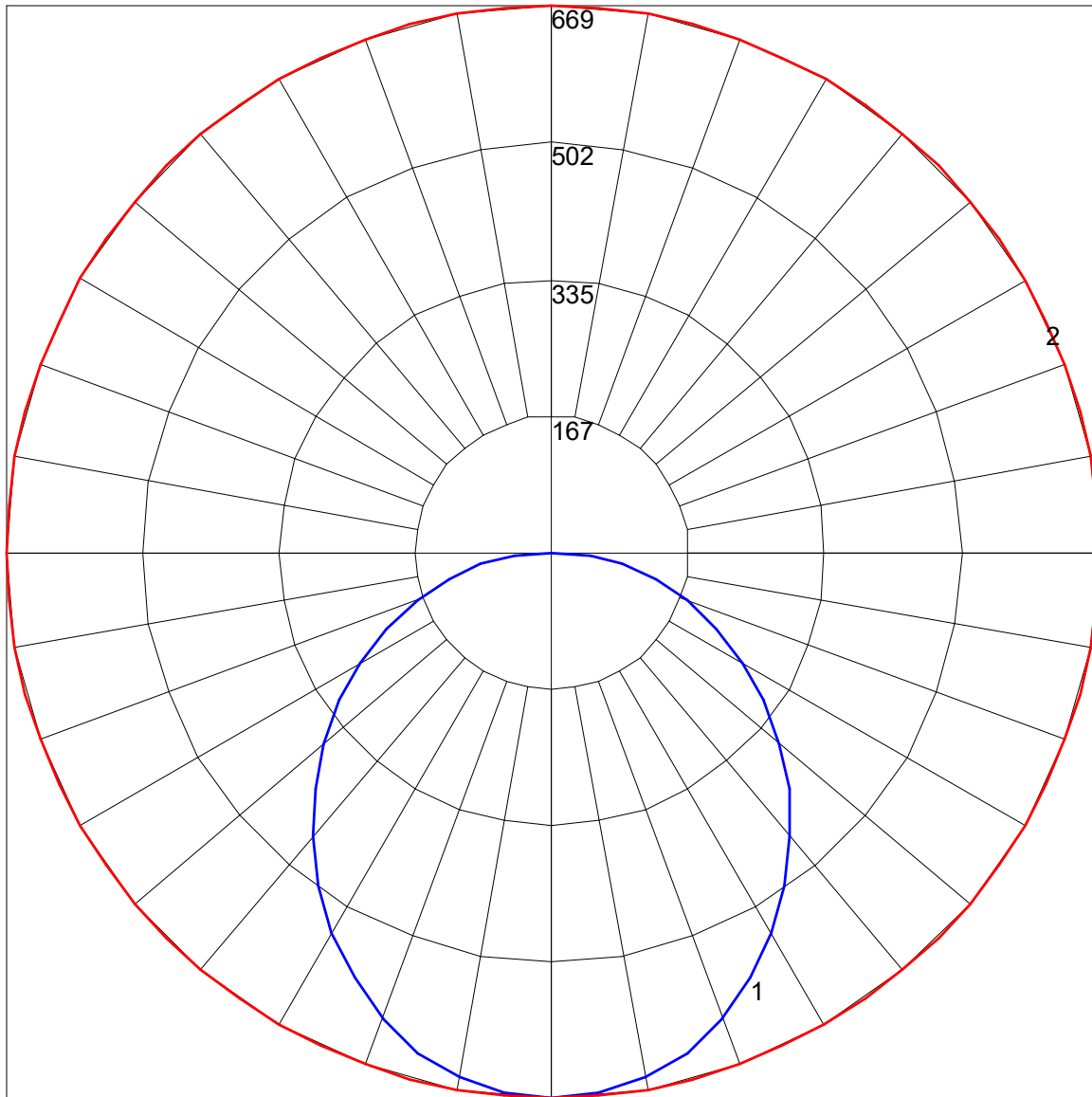
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	76	63	53	47	73	61	53	47	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 669.142 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)