

**IES Report**

**ZipTwo® | 707 | Ceiling Cable | Square 3555, Side Diffuse | 80 CRI | SO**

707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-SO-X-J9-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	114	117	120	120
Total Lumens, 4' rail length (1219mm)	2954	3048	3110	3110
Lumens per foot (305mm)	739	762	777	777
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\_J9\_BL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L082011207 (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-J9-BL  
[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 80 CRI, zipper board,  
[MORE] square 3555, side diffuse 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	3110
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	26.14
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	3.99 ft
Luminous Height	0.17 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5622	4275	357
55	6411	5001	352
65	6932	5534	374
75	7279	6173	465
85	7643	6876	1062

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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>	19.944	19.944	19.944	19.944	19.944	19.944	19.944	19.944	19.944	19.944
<b>5</b>	43.138	43.138	42.847	42.175	41.332	40.278	38.934	37.459	35.694	33.718
<b>10</b>	88.302	88.041	87.118	85.653	83.376	80.557	77.277	73.414	68.960	64.245
<b>15</b>	137.238	136.696	135.091	132.493	128.540	123.825	118.237	111.636	104.232	96.408
<b>20</b>	189.123	188.371	185.973	182.061	176.473	169.571	161.335	151.874	140.940	129.674
<b>25</b>	243.196	242.102	238.782	233.525	225.961	216.621	205.606	192.825	178.489	163.261
<b>30</b>	297.599	296.295	292.011	285.160	275.569	263.842	249.717	233.565	215.778	196.988
<b>35</b>	348.311	346.586	341.419	333.634	323.171	308.705	291.670	272.289	251.312	228.730
<b>40</b>	398.090	395.993	390.145	380.604	367.151	350.287	332.330	309.497	284.187	258.083
<b>45</b>	442.491	440.435	433.663	422.779	407.259	388.720	366.810	338.048	314.383	285.029
<b>50</b>	479.750	477.473	469.869	458.011	441.779	420.963	396.746	369.589	338.219	308.745
<b>55</b>	508.592	506.024	498.249	485.970	468.815	446.906	421.846	392.291	359.617	326.993
<b>60</b>	527.432	524.944	517.380	505.181	487.144	465.154	439.301	408.814	375.006	339.352
<b>65</b>	537.605	535.117	527.222	514.943	497.367	475.627	449.393	419.077	385.480	343.817
<b>70</b>	539.371	536.893	529.529	517.380	501.068	479.329	453.928	423.742	390.275	349.786
<b>75</b>	534.324	532.057	525.245	514.100	498.119	477.262	452.794	423.401	390.275	351.672
<b>80</b>	524.573	522.507	516.116	505.482	489.963	470.752	447.287	419.117	387.586	348.602
<b>85</b>	512.374	510.478	504.218	494.206	480.122	461.291	438.750	412.135	381.738	344.358
<b>90</b>	499.172	497.326	491.558	481.977	468.314	450.437	429.079	403.226	373.501	341.118
<b>95</b>	485.719	483.783	478.105	469.066	455.403	438.709	418.154	393.174	364.453	334.898
<b>100</b>	472.096	470.330	464.823	455.784	443.003	426.430	405.784	382.199	352.725	326.662
<b>105</b>	457.971	456.326	450.818	442.070	429.540	413.148	393.716	370.050	342.001	315.175
<b>110</b>	442.742	441.027	435.770	427.193	414.452	398.551	379.551	356.638	331.618	303.237
<b>115</b>	425.257	423.491	418.104	409.576	397.207	381.948	363.068	340.827	317.402	290.326
<b>120</b>	404.992	403.347	398.220	389.773	378.126	362.857	345.071	324.936	300.920	274.987
<b>125</b>	381.607	379.972	375.097	367.191	355.795	341.961	325.478	305.083	282.000	257.411
<b>130</b>	354.872	353.317	348.562	341.499	331.327	317.914	301.893	283.053	261.153	234.949
<b>135</b>	327.123	325.769	321.315	314.172	304.200	291.550	276.412	256.609	231.840	206.278
<b>140</b>	293.908	292.603	288.480	281.959	273.091	261.314	243.156	220.704	199.045	178.068
<b>145</b>	257.993	256.819	253.288	247.479	239.414	223.774	204.472	185.973	168.186	150.821
<b>150</b>	220.323	219.360	216.240	211.194	199.296	182.231	167.344	152.797	140.308	129.122
<b>155</b>	181.389	180.506	177.978	171.296	155.697	143.417	132.613	124.959	116.512	106.630
<b>160</b>	142.033	141.361	139.044	125.550	115.418	106.881	102.467	96.999	88.884	78.631
<b>165</b>	99.568	98.936	90.318	82.493	76.815	75.100	72.190	67.064	59.751	53.440
<b>170</b>	58.697	54.785	47.802	44.482	44.863	44.572	42.766	40.068	37.419	34.811
<b>175</b>	26.575	20.726	20.776	22.411	23.254	22.913	22.331	21.659	20.566	19.302
<b>180</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>	19.944	19.944	19.944	19.944	19.944	19.944	19.944	19.944	19.944
<b>5</b>	31.661	29.554	27.458	25.311	23.294	21.609	20.566	19.883	19.592
<b>10</b>	58.988	53.481	47.682	41.583	35.443	29.303	24.137	20.395	19.171
<b>15</b>	87.670	78.500	69.211	59.289	49.528	39.275	29.685	21.569	18.670
<b>20</b>	117.144	104.232	91.030	77.196	63.663	49.408	36.035	23.585	17.997
<b>25</b>	146.999	129.714	112.599	94.642	76.905	59.119	42.175	25.732	17.155
<b>30</b>	176.383	155.235	133.707	111.335	90.017	68.448	47.682	28.049	16.141
<b>35</b>	203.760	178.700	153.299	126.815	101.875	80.346	52.899	29.855	15.058
<b>40</b>	229.612	200.690	171.928	142.113	113.151	86.325	58.065	32.624	14.045
<b>45</b>	253.669	220.744	188.491	155.275	123.073	91.532	62.228	34.309	12.701
<b>50</b>	273.974	238.571	202.827	166.210	131.690	97.421	64.797	34.731	11.607
<b>55</b>	289.995	252.907	214.645	175.500	138.793	103.269	73.374	36.627	10.343
<b>60</b>	302.525	262.668	223.433	184.077	144.972	106.550	77.026	37.339	9.079

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**CANDELA TABULATION - (Cont.)**

<b>65</b>	311.734	271.536	230.535	188.110	148.293	108.647	76.986	36.707	8.327
<b>70</b>	315.978	276.030	234.538	191.441	150.901	110.874	76.735	37.169	7.905
<b>75</b>	316.901	276.492	235.672	194.300	152.717	112.218	77.076	37.550	6.731
<b>80</b>	316.650	276.963	235.923	192.785	151.915	110.793	76.775	36.496	5.638
<b>85</b>	312.948	274.144	233.736	191.180	150.781	110.543	76.023	35.192	6.641
<b>90</b>	306.849	268.928	229.492	188.913	149.096	109.359	74.678	35.403	5.467
<b>95</b>	300.458	263.039	225.158	185.000	145.394	105.918	74.217	34.269	4.294
<b>100</b>	292.302	256.568	219.189	179.493	141.612	103.139	72.652	31.029	5.046
<b>105</b>	282.260	248.322	211.615	173.734	137.117	100.832	70.595	29.725	4.123
<b>110</b>	271.576	237.728	203.419	168.146	132.282	95.866	64.666	27.076	3.702
<b>115</b>	259.759	227.937	194.631	159.398	125.129	90.398	57.223	22.662	3.953
<b>120</b>	245.503	215.738	183.957	150.319	117.856	85.352	52.477	19.171	4.203
<b>125</b>	229.402	199.557	168.518	137.529	106.590	78.962	44.612	16.653	4.294
<b>130</b>	206.449	177.897	149.687	120.715	93.679	65.258	37.670	13.834	4.544
<b>135</b>	181.218	156.369	131.479	106.209	81.570	55.798	30.106	11.988	4.795
<b>140</b>	156.499	135.302	114.656	91.321	68.749	46.589	24.769	10.804	5.217
<b>145</b>	135.011	118.909	96.668	75.722	56.380	37.088	20.816	9.962	5.467
<b>150</b>	116.130	98.013	79.554	62.730	45.666	31.159	18.880	9.801	5.969
<b>155</b>	91.572	76.815	64.165	49.829	37.510	26.785	16.904	9.631	6.731
<b>160</b>	68.579	58.105	47.512	38.433	30.146	22.331	14.717	9.169	7.233
<b>165</b>	47.130	41.081	35.323	29.354	23.585	17.536	12.400	8.788	7.654
<b>170</b>	31.661	28.381	24.930	21.107	16.984	13.373	10.343	8.748	8.076
<b>175</b>	17.747	16.141	14.255	12.530	11.055	9.801	9.039	8.537	8.407
<b>180</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	29.91	N.A.	1.00
0-30	100.40	N.A.	3.20
0-40	233.57	N.A.	7.50
0-60	708.55	N.A.	22.80
0-80	1369.43	N.A.	44.00
0-90	1712.88	N.A.	55.10
10-90	1708.95	N.A.	55.00
20-40	203.66	N.A.	6.50
20-50	407.92	N.A.	13.10
40-70	793.56	N.A.	25.50
60-80	660.88	N.A.	21.30
70-80	342.29	N.A.	11.00
80-90	343.45	N.A.	11.00
90-110	627.35	N.A.	20.20
90-120	886.00	N.A.	28.50
90-130	1093.11	N.A.	35.20
90-150	1333.08	N.A.	42.90
90-180	1396.81	N.A.	44.90
110-180	769.47	N.A.	24.70
0-180	3109.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	3.93
10-20	25.99
20-30	70.49
30-40	133.17
40-50	204.26
50-60	270.71
60-70	318.59
70-80	342.29
80-90	343.45
90-100	327.98
100-110	299.37
110-120	258.66
120-130	207.10
130-140	148.30
140-150	91.68
150-160	46.18
160-170	15.57
170-180	1.98

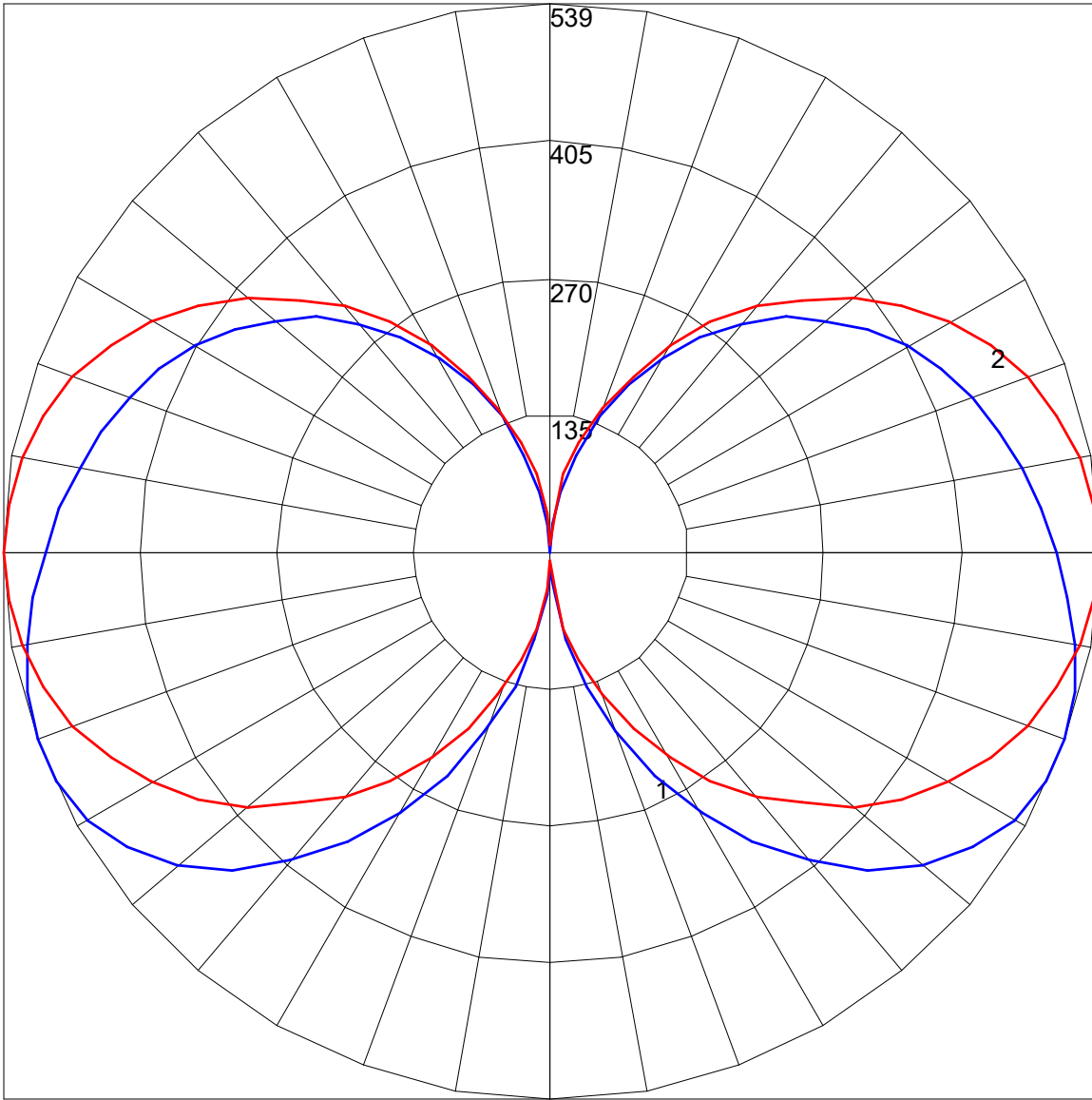
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	93	86	80	75	86	80	74	69	67	63	59	55	52	49	45	42	40	34
2	82	72	63	56	75	66	59	52	55	49	44	45	40	36	36	32	29	24
3	74	61	52	44	67	56	48	41	47	40	34	38	33	28	30	26	22	18
4	67	53	43	35	61	49	40	33	40	33	28	33	27	22	25	21	17	14
5	60	46	36	29	55	43	34	27	35	28	23	29	23	18	22	18	14	11
6	55	41	31	24	50	38	29	23	31	24	19	25	20	15	20	15	12	8
7	51	37	27	21	46	34	25	19	28	21	16	23	17	13	18	13	10	7
8	47	33	24	18	43	30	22	16	25	18	14	20	15	11	16	12	8	6
9	43	30	21	15	40	27	20	14	23	16	12	19	13	10	15	10	7	5
10	40	27	19	14	37	25	17	12	21	15	10	17	12	8	13	9	6	4

POLAR GRAPH



Maximum Candela = 539.371 Located At Horizontal Angle = 0, Vertical Angle = 70  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)