

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-WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	136	140	143	143
Total Lumens, 4' rail length (1219mm)	3542	3654	3728	3728
Lumens per foot (305mm)	885	913	932	932
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_WH.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-WH
[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 80 CRI, zipper board,
[MORE] square 3555, side diffuse lens, standard output, white painted finish
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3729
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
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	6741	5126	428
55	7687	5996	423
65	8312	6636	449
75	8728	7402	558
85	9164	8245	1274

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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>
0	23.914	23.914	23.914	23.914	23.914	23.914	23.914	23.914	23.914	23.914
5	51.725	51.725	51.376	50.570	49.559	48.296	46.685	44.916	42.799	40.429
10	105.879	105.567	104.460	102.704	99.973	96.593	92.659	88.028	82.687	77.034
15	164.557	163.907	161.983	158.867	154.128	148.474	141.774	133.859	124.981	115.599
20	226.771	225.869	222.994	218.302	211.602	203.326	193.450	182.107	168.995	155.487
25	291.607	290.296	286.314	280.011	270.941	259.742	246.534	231.209	214.020	195.760
30	356.840	355.277	350.140	341.924	330.425	316.363	299.426	280.059	258.732	236.201
35	417.647	415.578	409.383	400.048	387.502	370.156	349.731	326.491	301.338	274.261
40	477.335	474.821	467.808	456.368	440.237	420.017	398.485	371.107	340.758	309.458
45	530.575	528.109	519.990	506.938	488.329	466.100	439.828	405.341	376.965	341.768
50	575.251	572.520	563.402	549.184	529.721	504.761	475.723	443.160	405.546	370.205
55	609.834	606.755	597.432	582.709	562.139	535.868	505.819	470.382	431.204	392.085
60	632.425	629.442	620.372	605.744	584.116	557.749	526.750	490.194	449.656	406.905
65	644.622	641.639	632.172	617.449	596.374	570.307	538.851	502.499	462.214	412.258
70	646.739	643.768	634.939	620.372	600.812	574.746	544.288	508.093	467.964	419.415
75	640.689	637.970	629.802	616.438	597.276	572.268	542.929	507.684	467.964	421.677
80	628.996	626.518	618.856	606.105	587.496	564.461	536.325	502.548	464.740	417.996
85	614.369	612.096	604.590	592.585	575.696	553.118	526.088	494.175	457.728	412.907
90	598.539	596.326	589.409	577.921	561.538	540.102	514.492	483.494	447.852	409.022
95	582.408	580.087	573.278	562.440	546.056	526.040	501.393	471.441	437.002	401.564
100	566.073	563.956	557.352	546.514	531.189	511.317	486.561	458.281	422.940	391.688
105	549.136	547.163	540.559	530.070	515.046	495.390	472.090	443.714	410.081	377.915
110	530.876	528.819	522.516	512.231	496.954	477.888	455.105	427.631	397.631	363.601
115	509.909	507.792	501.333	491.108	476.276	457.980	435.342	408.673	380.586	348.119
120	485.611	483.638	477.491	467.363	453.397	435.089	413.762	389.619	360.822	329.727
125	457.571	455.610	449.764	440.285	426.621	410.033	390.269	365.814	338.135	308.652
130	425.514	423.649	417.948	409.479	397.282	381.199	361.989	339.398	313.139	281.719
135	392.242	390.618	385.277	376.712	364.755	349.587	331.435	307.690	277.990	247.340
140	352.414	350.850	345.906	338.087	327.453	313.331	291.559	264.638	238.667	213.515
145	309.350	307.942	303.708	296.743	287.072	268.319	245.175	222.994	201.666	180.844
150	264.181	263.026	259.285	253.235	238.968	218.507	200.656	183.214	168.238	154.825
155	217.496	216.438	213.406	205.395	186.690	171.967	159.011	149.833	139.705	127.856
160	170.307	169.501	166.722	150.543	138.394	128.157	122.864	116.308	106.577	94.283
165	119.388	118.630	108.297	98.914	92.106	90.049	86.561	80.414	71.645	64.078
170	70.382	65.690	57.318	53.337	53.794	53.445	51.280	48.044	44.868	41.741
175	31.865	24.852	24.912	26.873	27.883	27.474	26.777	25.971	24.659	23.144
180	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>
0	23.914	23.914	23.914	23.914	23.914	23.914	23.914	23.914	23.914
5	37.964	35.437	32.923	30.349	27.931	25.910	24.659	23.841	23.493
10	70.731	64.127	57.174	49.860	42.498	35.137	28.942	24.455	22.987
15	105.121	94.127	82.988	71.091	59.387	47.094	35.594	25.862	22.386
20	140.463	124.981	109.151	92.563	76.336	59.243	43.208	28.280	21.580
25	176.261	155.535	135.014	113.482	92.214	70.887	50.570	30.854	20.570
30	211.494	186.137	160.323	133.498	107.936	82.074	57.174	33.633	19.355
35	244.321	214.273	183.815	152.059	122.155	96.340	63.429	35.798	18.056
40	275.320	240.640	206.153	170.403	135.675	103.510	69.624	39.118	16.841
45	304.165	264.686	226.013	186.185	147.572	109.753	74.616	41.139	15.229
50	328.512	286.062	243.202	199.296	157.905	116.814	77.695	41.644	13.918
55	347.722	303.251	257.372	210.435	166.421	123.827	87.980	43.918	12.402
60	362.747	314.955	267.910	220.720	173.831	127.760	92.359	44.772	10.886

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CANDELA TABULATION - (Cont.)

65	373.789	325.589	276.426	225.556	177.813	130.274	92.311	44.014	9.984
70	378.877	330.978	281.226	229.549	180.940	132.945	92.010	44.567	9.479
75	379.984	331.531	282.585	232.978	183.117	134.556	92.419	45.025	8.071
80	379.683	332.097	282.886	231.161	182.155	132.848	92.058	43.762	6.760
85	375.245	328.716	280.264	229.237	180.796	132.548	91.156	42.198	7.963
90	367.931	322.461	275.175	226.518	178.775	131.128	89.544	42.450	6.556
95	360.269	315.400	269.979	221.827	174.336	127.002	88.991	41.091	5.148
100	350.489	307.642	262.822	215.223	169.801	123.670	87.114	37.206	6.051
105	338.448	297.754	253.740	208.318	164.412	120.903	84.648	35.642	4.944
110	325.637	285.051	243.912	201.618	158.614	114.949	77.539	32.466	4.439
115	311.467	273.311	233.375	191.129	150.038	108.393	68.613	27.174	4.739
120	294.374	258.684	220.576	180.243	141.317	102.343	62.924	22.987	5.040
125	275.067	239.281	202.063	164.906	127.808	94.680	53.493	19.968	5.148
130	247.545	213.310	179.485	144.745	112.327	78.249	45.169	16.588	5.449
135	217.292	187.496	157.652	127.351	97.808	66.905	36.099	14.375	5.750
140	187.652	162.235	137.479	109.500	82.435	55.863	29.700	12.955	6.255
145	161.886	142.580	115.911	90.795	67.603	44.471	24.960	11.945	6.556
150	139.248	117.523	95.390	75.217	54.756	37.362	22.639	11.752	7.157
155	109.801	92.106	76.937	59.748	44.976	32.117	20.269	11.548	8.071
160	82.230	69.672	56.969	46.083	36.147	26.777	17.647	10.995	8.673
165	56.512	49.259	42.354	35.197	28.280	21.027	14.868	10.537	9.178
170	37.964	34.030	29.892	25.309	20.365	16.035	12.402	10.489	9.683
175	21.279	19.355	17.093	15.024	13.256	11.752	10.838	10.237	10.080
180	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	35.87	N.A.	1.00
0-30	120.39	N.A.	3.20
0-40	280.07	N.A.	7.50
0-60	849.59	N.A.	22.80
0-80	1642.03	N.A.	44.00
0-90	2053.85	N.A.	55.10
10-90	2049.14	N.A.	55.00
20-40	244.20	N.A.	6.50
20-50	489.13	N.A.	13.10
40-70	951.53	N.A.	25.50
60-80	792.44	N.A.	21.30
70-80	410.43	N.A.	11.00
80-90	411.81	N.A.	11.00
90-110	752.23	N.A.	20.20
90-120	1062.37	N.A.	28.50
90-130	1310.7	N.A.	35.20
90-150	1598.45	N.A.	42.90
90-180	1674.87	N.A.	44.90
110-180	922.64	N.A.	24.70
0-180	3728.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	4.71
10-20	31.16
20-30	84.52
30-40	159.68
40-50	244.93
50-60	324.60
60-70	382.01
70-80	410.43
80-90	411.81
90-100	393.26
100-110	358.96
110-120	310.15
120-130	248.33
130-140	177.82
140-150	109.93
150-160	55.37
160-170	18.68
170-180	2.37

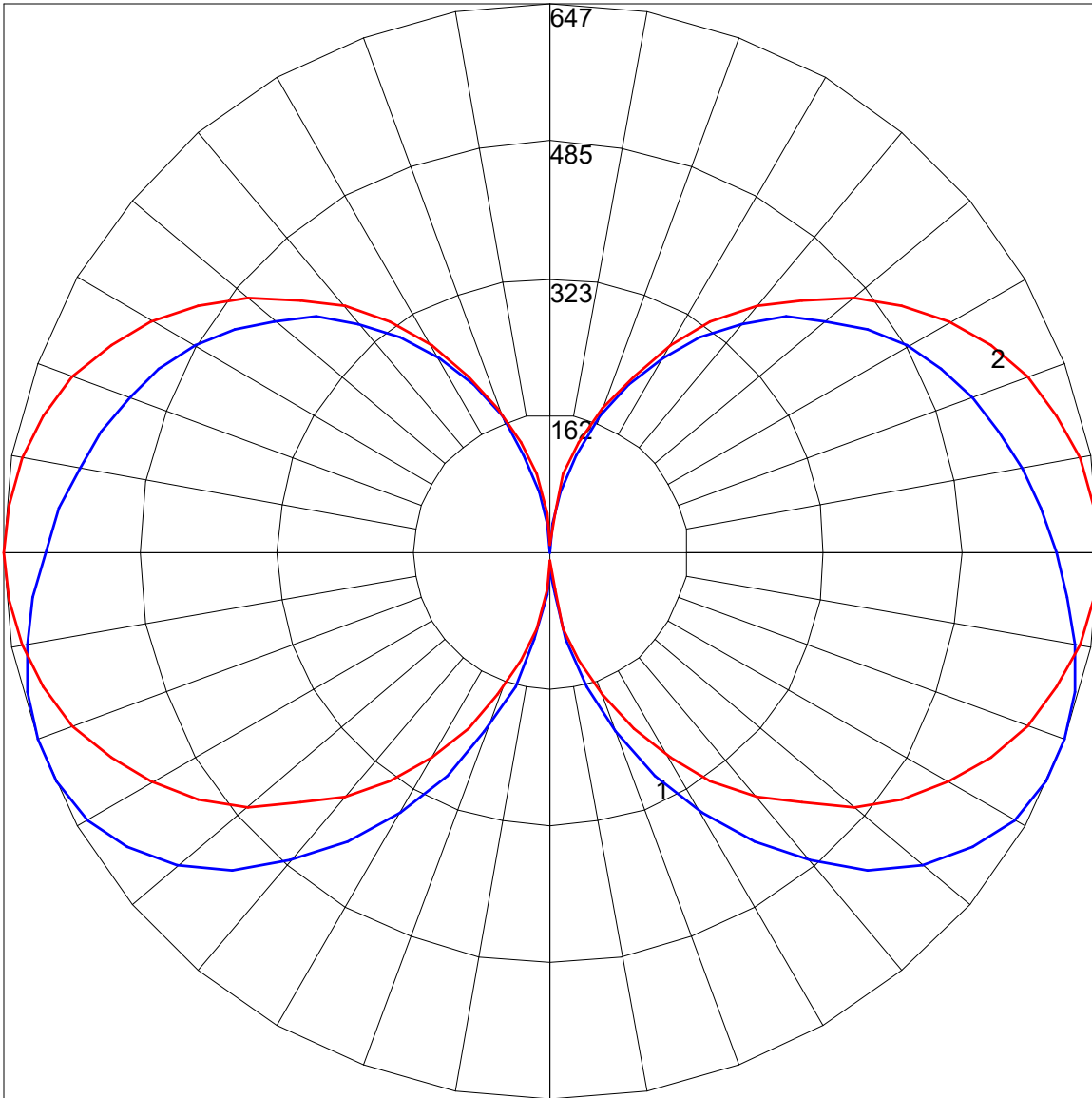
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	37	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 = 646.739 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.)