

IES Report

ZipTwo® | 707 | Ceiling Cable | Square 3535, Diffuse | 80 CRI | SO

707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-SO-X-S6-WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	148	152	155	155
Total Lumens, 4' rail length (1219mm)	3839	3961	4041	4041
Lumens per foot (305mm)	960	990	1010	1010
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_S6_WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L121911533 (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-S6-WH
[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 80 CRI, zipper board, square 3535,
[MORE] 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	4042
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
Total Luminaire Watts	26.11
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)	0.11 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.09 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13998	13106	13764
55	13944	12689	12964
65	13418	12166	12152
75	12394	11512	11479
85	11250	10829	11659

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	662.659	662.659	662.659	662.659	662.659	662.659	662.659	662.659	662.659	662.659
5	679.016	678.969	678.969	678.673	677.776	677.233	676.347	675.355	674.020	672.579
10	696.341	696.247	695.644	694.652	693.318	691.440	689.267	686.692	684.165	681.248
15	708.718	708.423	707.431	705.896	703.522	700.546	697.085	692.975	688.074	683.020
20	718.320	717.670	716.040	713.513	710.147	705.494	699.955	693.861	686.940	679.713
25	725.441	724.555	722.370	718.816	713.513	707.183	699.802	690.897	681.343	671.339
30	730.992	730.448	727.083	722.229	715.095	706.640	696.684	685.157	672.438	659.364
35	735.539	734.405	730.744	724.260	715.048	704.065	691.346	676.536	660.356	643.775
40	738.113	736.578	731.736	723.764	712.828	699.010	683.268	665.257	645.700	625.658
45	736.330	734.405	728.712	719.406	706.486	690.401	671.788	650.755	627.642	604.566
50	727.827	725.642	719.205	709.013	694.404	676.241	655.549	631.493	605.912	579.670
55	709.604	707.277	700.746	689.810	674.410	655.006	632.839	607.046	579.328	550.618
60	680.209	677.929	671.339	660.403	645.062	625.316	602.641	576.104	546.909	516.959
65	639.122	637.185	630.949	620.356	606.007	587.004	564.577	538.194	509.283	478.553
70	588.634	586.945	581.253	571.852	558.235	540.272	518.990	494.284	466.471	436.332
75	532.005	530.375	525.521	517.006	504.937	488.840	469.247	446.229	420.188	392.375
80	472.802	471.467	467.310	459.893	449.193	434.738	417.271	395.245	373.113	346.836
85	415.287	414.000	410.244	403.760	394.891	382.821	367.173	348.076	325.306	301.001
90	364.504	363.311	359.709	353.816	345.006	333.266	318.964	301.202	281.054	257.541
95	341.734	340.695	337.376	331.932	323.960	312.823	299.667	283.428	264.473	243.428
100	326.487	325.649	322.578	317.335	309.705	299.419	286.936	271.547	253.431	233.484
105	313.024	312.186	309.162	304.214	296.797	286.936	274.960	260.210	242.991	224.024
110	299.856	298.970	296.242	291.199	283.818	274.417	262.891	248.872	232.102	214.080
115	286.204	285.259	282.531	277.736	270.508	261.450	250.266	236.602	220.965	203.581
120	271.547	270.709	267.886	263.127	256.301	247.290	236.507	223.776	208.730	192.349
125	255.214	254.470	251.695	247.101	240.605	231.996	221.697	209.675	195.326	179.973
130	237.298	236.448	233.779	229.421	223.233	215.214	205.612	193.979	181.012	165.470
135	217.493	216.702	214.174	210.218	204.384	196.955	188.098	176.961	161.903	145.724
140	196.211	195.420	193.141	189.480	184.130	177.351	167.548	153.447	140.126	126.521
145	173.442	172.804	170.666	167.300	162.754	153.896	141.909	130.477	119.541	108.451
150	149.786	149.184	147.353	144.531	137.504	127.064	117.758	108.794	100.775	93.701
155	125.328	124.784	123.296	119.139	109.538	102.015	95.141	90.287	85.386	79.351
160	100.586	100.231	98.649	90.087	83.898	78.855	76.281	72.962	67.860	60.042
165	73.954	73.600	67.022	61.672	57.810	56.582	54.751	51.480	46.425	42.670
170	46.425	42.622	37.520	35.288	36.139	36.186	35.241	33.812	32.123	30.045
175	18.813	17.916	17.963	19.404	20.101	19.994	19.605	18.813	17.916	16.924
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	662.659	662.659	662.659	662.659	662.659	662.659	662.659	662.659	662.659
5	671.198	669.462	667.974	666.001	664.265	662.435	660.805	659.211	658.620
10	677.729	674.316	670.654	666.592	662.482	658.526	654.321	650.259	648.133
15	677.575	671.883	666.190	660.014	653.766	647.342	640.752	634.315	629.721
20	671.694	663.568	654.864	646.243	637.586	628.776	620.167	611.404	604.967
25	660.651	649.267	638.035	626.450	615.266	604.318	593.334	582.540	573.482
30	645.405	630.760	616.494	602.239	588.339	574.427	561.058	548.138	536.753
35	626.355	608.628	591.008	573.978	556.806	540.319	524.482	509.531	496.174
40	604.672	583.579	562.250	541.961	522.061	503.094	484.883	467.853	452.606
45	579.777	555.365	531.119	507.606	484.789	463.200	442.958	424.050	407.173
50	551.503	524.435	497.213	470.877	446.276	421.924	399.898	379.101	360.843
55	519.982	490.481	460.932	432.270	405.485	379.751	355.788	333.573	314.016
60	484.635	453.598	422.420	392.517	364.114	336.585	310.697	287.680	266.693

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CANDELA TABULATION - (Cont.)

65	445.934	414.047	382.325	350.993	321.090	293.325	266.197	242.140	220.268
70	404.552	372.617	340.400	308.276	278.374	249.663	222.193	197.947	175.225
75	361.044	329.653	297.931	266.103	236.200	207.254	179.925	154.983	131.764
80	317.583	287.538	256.643	226.055	196.613	167.796	140.126	114.781	94.445
85	274.464	245.412	215.910	185.464	156.612	127.761	101.070	75.678	52.271
90	232.196	205.069	176.808	147.058	118.797	90.736	62.959	37.674	14.255
95	219.477	194.038	167.300	139.086	111.864	84.843	58.353	33.269	10.298
100	210.868	187.200	161.266	134.976	108.451	82.658	56.771	32.714	9.507
105	202.541	179.630	155.172	130.382	104.389	78.997	54.397	30.789	8.421
110	194.180	171.611	148.593	124.194	100.137	74.993	51.527	27.328	7.322
115	184.130	163.344	141.271	117.509	94.586	70.884	48.161	23.856	6.141
120	173.784	154.085	133.099	110.731	88.953	66.573	44.406	19.947	5.149
125	162.458	143.893	123.698	102.015	81.371	60.491	37.768	16.782	4.452
130	147.507	128.989	110.187	90.972	72.761	54.102	32.123	14.349	4.358
135	129.733	113.648	97.409	80.580	64.542	46.425	27.966	12.519	0.000
140	112.951	99.145	85.386	70.777	55.790	39.056	24.399	11.184	0.000
145	98.058	87.512	73.706	60.444	46.035	33.162	21.234	10.098	0.000
150	85.528	74.143	62.215	49.496	38.406	28.509	18.459	9.460	0.000
155	70.140	59.747	50.145	40.390	32.229	24.647	15.790	9.153	0.000
160	52.909	45.882	39.197	32.773	26.974	20.349	13.806	8.468	0.000
165	38.560	34.792	30.694	26.183	21.187	16.333	11.834	7.676	0.000
170	27.624	24.754	21.482	18.317	15.400	12.377	9.354	6.578	0.000
175	15.636	14.349	12.920	11.432	9.897	8.267	6.779	5.893	0.000
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	256.02	N.A.	6.30
0-30	562.64	N.A.	13.90
0-40	960.68	N.A.	23.80
0-60	1900.91	N.A.	47.00
0-80	2749.19	N.A.	68.00
0-90	3050.76	N.A.	75.50
10-90	2986.56	N.A.	73.90
20-40	704.67	N.A.	17.40
20-50	1163.68	N.A.	28.80
40-70	1397.43	N.A.	34.60
60-80	848.27	N.A.	21.00
70-80	391.07	N.A.	9.70
80-90	301.57	N.A.	7.50
90-110	451.23	N.A.	11.20
90-120	631.97	N.A.	15.60
90-130	775.86	N.A.	19.20
90-150	943.79	N.A.	23.40
90-180	991.08	N.A.	24.50
110-180	539.85	N.A.	13.40
0-180	4041.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	64.20
10-20	191.82
20-30	306.62
30-40	398.05
40-50	459.01
50-60	481.22
60-70	457.20
70-80	391.07
80-90	301.57
90-100	239.17
100-110	212.06
110-120	180.74
120-130	143.89
130-140	103.22
140-150	64.70
150-160	33.60
160-170	12.04
170-180	1.65

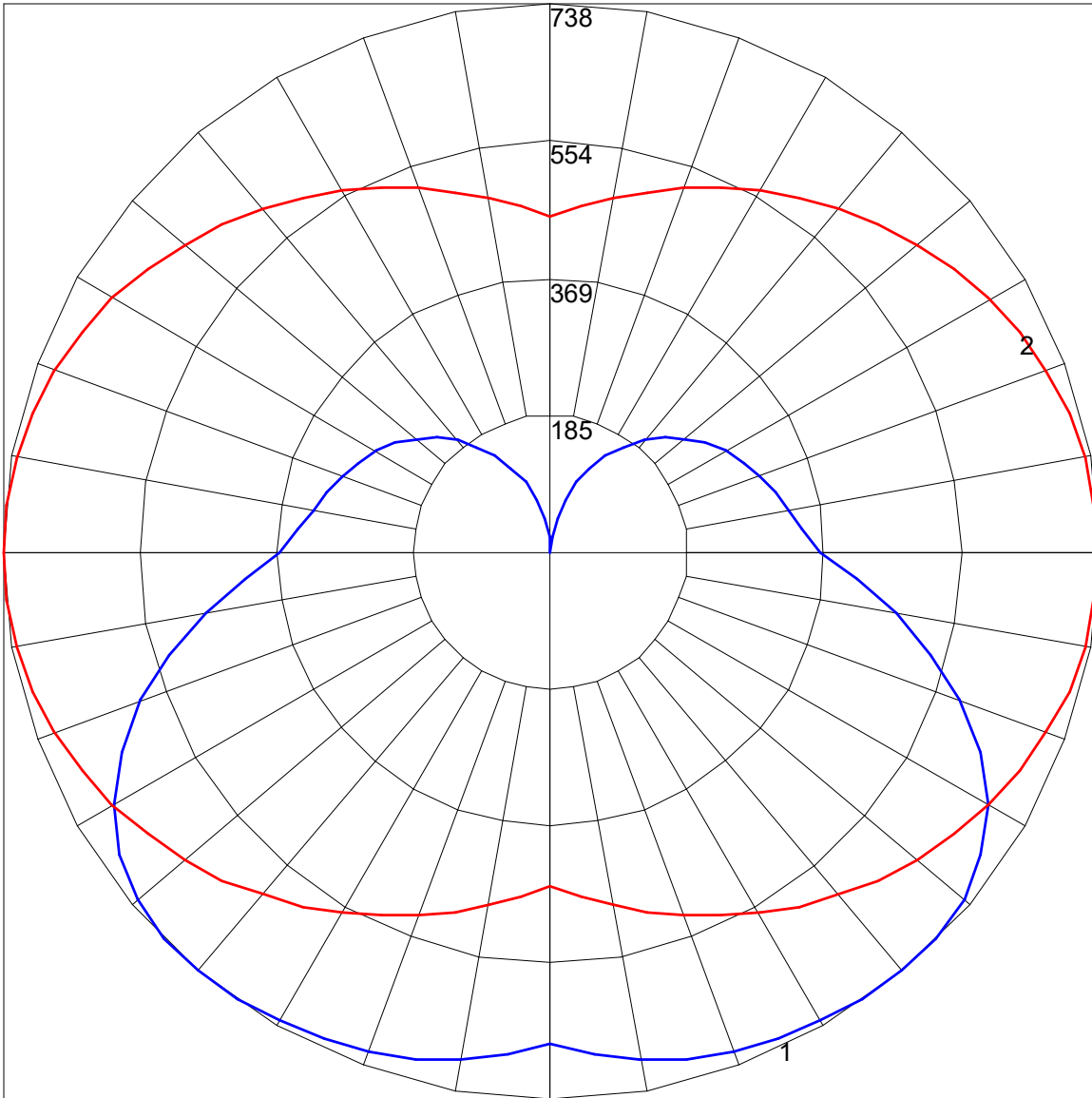
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 738.113 Located At Horizontal Angle = 0, Vertical Angle = 40
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (40) (Through Max. Cd.)