

IES Report

ZipTwo® | 707 | Ceiling Cable | Square 3520, Side Diffuse | 80 CRI | SO

707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-SO-X-F9-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	40	42	43	43
Total Lumens, 4' rail length (1219mm)	1042	1075	1097	1097
Lumens per foot (305mm)	261	269	274	274
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_F9_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L082011212 (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-F9-BL
[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 80 CRI, zipper board,
[MORE] square 3520, 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	1097
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	42
Total Luminaire Watts	26.11
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	0.05 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2490	1705	103
55	3483	2376	109
65	4747	3287	108
75	6367	4609	139
85	8810	6981	223

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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	4.912	4.912	4.912	4.912	4.912	4.912	4.912	4.912	4.912	4.912
5	10.141	10.141	10.080	9.911	9.715	9.458	9.175	8.776	8.384	7.986
10	20.498	20.471	20.275	19.964	19.423	18.802	18.039	17.160	16.167	15.093
15	31.713	31.571	31.233	30.638	29.787	28.713	27.470	25.963	24.295	22.511
20	43.887	43.718	43.184	42.333	41.056	39.475	37.604	35.422	32.929	30.328
25	57.088	56.858	56.176	54.933	53.203	51.055	48.508	45.475	42.137	38.624
30	71.188	70.843	69.857	68.296	66.060	63.229	59.946	56.034	51.764	47.285
35	86.078	85.686	84.436	82.457	79.565	76.086	72.005	67.168	61.844	56.318
40	101.597	101.056	99.502	97.036	93.530	89.254	84.214	78.403	72.005	65.385
45	117.568	116.886	115.075	112.048	107.853	102.644	96.753	89.875	82.288	74.471
50	133.708	132.972	130.816	127.222	122.270	116.210	109.326	101.259	92.564	83.558
55	149.281	148.517	145.909	141.808	136.059	129.121	121.189	112.048	102.164	92.111
60	163.779	162.813	159.901	155.314	148.828	141.180	132.323	122.155	111.366	100.009
65	176.575	175.528	172.332	167.319	160.381	151.915	142.119	131.384	119.608	107.346
70	186.432	185.385	182.040	176.750	169.609	160.523	150.132	138.552	126.317	113.345
75	193.566	192.465	189.040	183.716	176.291	166.948	156.415	144.328	131.384	117.852
80	197.931	196.850	193.566	188.128	180.709	171.366	160.691	148.429	135.039	121.365
85	199.856	198.802	195.552	190.283	182.919	173.663	163.043	150.753	137.302	123.540
90	200.079	199.059	195.890	190.789	183.290	174.285	163.779	151.578	138.241	124.446
95	199.457	198.464	195.323	190.168	182.980	174.001	163.664	151.544	138.241	124.621
100	197.755	196.708	193.593	188.499	181.277	172.555	162.306	150.389	137.471	123.770
105	194.471	193.424	190.337	185.243	178.331	169.528	159.502	148.146	135.377	122.182
110	189.431	188.411	185.385	180.514	173.744	165.279	155.570	144.295	132.262	119.581
115	182.351	181.338	178.446	173.832	167.400	159.334	150.044	139.255	127.594	115.413
120	173.406	172.413	169.751	165.367	159.388	151.686	142.964	132.830	121.703	110.204
125	162.644	161.826	159.306	155.341	149.706	142.653	134.559	125.216	114.879	104.144
130	150.355	149.733	147.409	143.788	138.606	132.323	124.959	116.352	105.988	94.037
135	136.937	136.282	134.303	130.958	126.405	120.595	113.798	103.407	92.537	82.430
140	122.040	121.446	119.689	116.744	112.582	107.258	98.144	88.882	79.937	71.269
145	106.522	106.069	104.596	102.164	98.455	90.274	82.484	74.978	67.932	61.615
150	91.064	90.693	89.395	87.125	80.417	73.789	67.959	62.466	58.048	53.237
155	75.377	75.066	73.904	69.512	63.229	58.358	54.109	51.082	47.035	42.644
160	57.764	57.453	55.413	49.440	45.360	42.414	41.029	39.333	36.469	32.422
165	41.002	40.550	36.016	33.584	31.686	31.429	30.098	27.889	25.626	23.930
170	25.997	23.078	20.984	20.275	21.376	21.606	21.180	20.700	19.822	18.856
175	15.005	12.600	13.167	14.525	15.120	15.120	14.951	14.809	14.525	14.100
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	4.912	4.912	4.912	4.912	4.912	4.912	4.912	4.912	4.912
5	7.479	6.965	6.513	6.033	5.607	5.209	4.986	4.783	4.756
10	13.850	12.546	11.242	9.823	8.438	6.992	5.830	5.040	4.702
15	20.586	18.518	16.370	14.127	11.837	9.371	7.134	5.351	4.641
20	27.551	24.578	21.606	18.437	15.289	11.951	8.776	5.864	4.587
25	34.800	30.861	26.842	22.768	18.660	14.525	10.364	6.425	4.418
30	42.448	37.408	32.307	27.152	22.031	17.018	11.978	7.134	4.189
35	50.319	44.232	37.969	31.686	25.544	19.484	13.620	7.871	4.135
40	58.216	50.886	43.549	36.158	28.970	21.829	15.066	8.553	3.851
45	66.087	57.649	49.244	40.577	32.368	24.011	16.478	9.060	3.567
50	73.958	64.304	54.764	44.934	35.678	26.335	17.809	9.715	3.398
55	81.437	70.479	59.831	48.961	38.509	28.375	18.917	10.222	3.060
60	88.348	76.478	64.587	52.528	41.286	30.301	20.045	10.702	2.716

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CANDELA TABULATION - (Cont.)

65	94.516	81.694	68.918	55.892	43.833	31.996	21.011	10.904	2.263
70	99.644	86.078	72.546	58.757	45.988	33.665	21.889	11.154	2.209
75	103.610	89.706	75.323	61.135	47.772	35.084	22.538	11.526	1.811
80	106.556	92.165	77.640	63.202	49.386	36.016	23.247	11.864	1.419
85	108.792	93.983	79.174	64.473	50.150	36.469	23.585	11.864	1.074
90	109.920	94.827	79.876	65.040	50.602	36.753	23.727	11.837	0.790
95	109.893	95.084	80.390	65.351	51.055	36.726	23.930	11.951	0.851
100	109.528	94.827	80.106	64.925	50.798	36.813	23.788	11.215	1.135
105	107.968	93.638	79.174	64.331	50.400	36.584	22.795	10.479	1.642
110	105.535	91.686	77.586	63.175	49.494	35.483	22.457	9.654	2.155
115	102.022	88.909	75.431	61.277	47.596	34.489	21.660	8.864	2.608
120	97.577	85.146	71.951	58.696	45.562	33.354	19.849	8.242	3.229
125	92.226	78.775	65.979	53.372	41.455	29.308	17.471	7.756	3.797
130	81.775	70.310	58.696	47.853	37.124	25.767	15.235	7.479	4.250
135	72.208	61.925	52.467	42.529	32.023	22.484	13.255	7.337	4.702
140	62.892	54.737	46.130	36.077	27.382	18.890	12.093	7.134	5.094
145	55.501	48.055	38.171	30.125	23.078	15.741	11.242	6.992	5.439
150	46.833	38.651	32.050	25.909	19.538	15.262	11.269	7.648	6.398
155	36.699	31.773	26.761	21.518	18.066	14.613	11.046	8.411	7.479
160	28.571	24.578	21.606	19.140	16.566	13.593	10.789	8.945	8.323
165	22.146	20.559	18.714	16.849	14.721	12.377	10.506	9.431	9.060
170	18.039	17.072	15.741	14.302	12.715	11.438	10.506	10.053	9.857
175	13.532	12.911	12.262	11.695	11.269	10.904	10.674	10.533	10.479
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	7.01	N.A.	0.60
0-30	23.76	N.A.	2.20
0-40	56.80	N.A.	5.20
0-60	188.73	N.A.	17.20
0-80	406.56	N.A.	37.10
0-90	532.64	N.A.	48.60
10-90	531.71	N.A.	48.50
20-40	49.79	N.A.	4.50
20-50	103.90	N.A.	9.50
40-70	232.37	N.A.	21.20
60-80	217.83	N.A.	19.90
70-80	117.40	N.A.	10.70
80-90	126.08	N.A.	11.50
90-110	246.66	N.A.	22.50
90-120	352.61	N.A.	32.10
90-130	437.99	N.A.	39.90
90-150	536.63	N.A.	48.90
90-180	564.29	N.A.	51.40
110-180	317.63	N.A.	29.00
0-180	1096.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.93
10-20	6.08
20-30	16.75
30-40	33.04
40-50	54.11
50-60	77.83
60-70	100.43
70-80	117.40
80-90	126.08
90-100	126.68
100-110	119.98
110-120	105.95
120-130	85.38
130-140	60.94
140-150	37.71
150-160	19.33
160-170	7.07
170-180	1.25

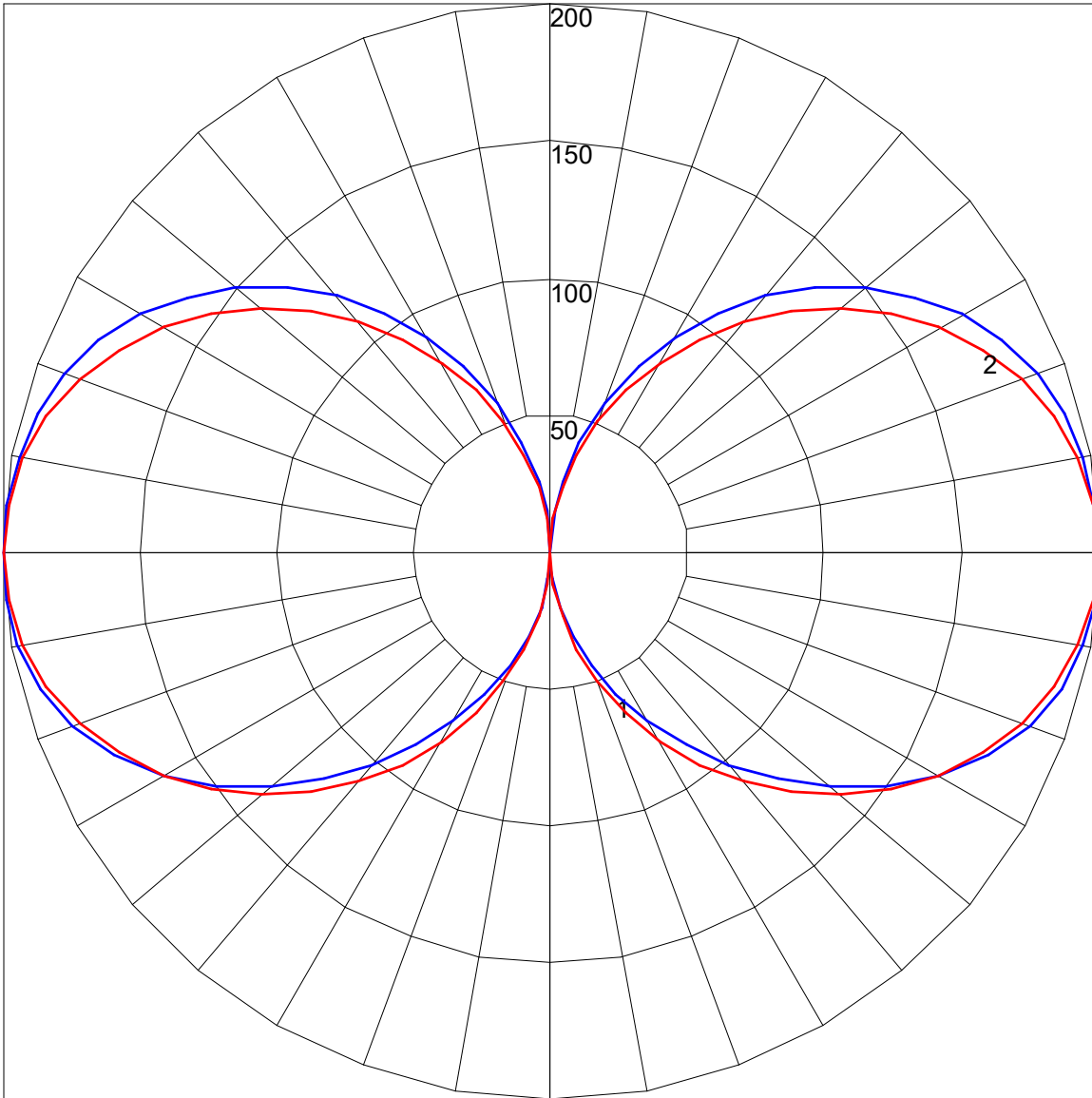
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49
1	92	85	79	73	83	77	72	67	63	59	55	51	48	45	39	37	34	29
2	81	71	62	55	73	64	57	50	52	46	41	41	37	33	31	28	25	19
3	73	60	51	43	65	55	46	39	44	38	32	35	29	25	26	22	18	14
4	65	52	42	35	59	47	39	32	38	31	26	30	24	20	22	18	14	10
5	60	46	36	29	54	41	33	26	33	26	21	26	21	16	19	15	12	8
6	54	40	31	24	49	37	28	22	30	23	18	23	18	14	17	13	9	6
7	50	36	27	20	45	33	24	19	26	20	15	21	15	11	15	11	8	5
8	46	32	24	18	42	29	22	16	24	17	13	19	14	10	14	10	7	4
9	43	29	21	15	39	27	19	14	22	16	11	17	12	8	13	9	6	3
10	40	27	19	13	36	24	17	12	20	14	10	16	11	7	12	8	5	3

POLAR GRAPH



Maximum Candela = 200.079 Located At Horizontal Angle = 0, Vertical Angle = 90
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (90) (Through Max. Cd.)