

**IES Report**

**ZipTwo® | 707 | Ceiling Cable | Square 5020, Critical Edge | 80 CRI | SO**

707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-SO-X-W5-WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	107	111	113	113
Total Lumens, 4' rail length (1219mm)	2794	2882	2941	2941
Lumens per foot (305mm)	698	720	735	735
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\_W5\_WH.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022112701 (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-W5-WH

[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 80 CRI, zipper board, square 5020, critical edge,

[MORE] 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	2940
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	26.11
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.17 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	15341	14951	14564
55	14780	14377	13973
65	14130	13747	13329
75	13582	13207	12742
85	14891	14330	13483

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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>	1005.732	1005.732	1005.732	1005.732	1005.732	1005.732	1005.732	1005.732	1005.732	1005.732
<b>5</b>	1003.516	1003.516	1003.453	1003.403	1003.353	1003.353	1003.253	1003.140	1003.090	1002.990
<b>10</b>	993.437	993.337	993.224	993.124	992.811	992.548	992.285	991.972	991.647	991.233
<b>15</b>	975.070	975.020	974.857	974.544	974.018	973.442	972.604	971.928	971.026	970.137
<b>20</b>	948.302	948.252	947.889	947.263	946.424	945.373	944.271	942.856	941.429	940.014
<b>25</b>	912.733	912.470	911.994	911.105	909.841	908.476	906.911	904.971	903.018	900.927
<b>30</b>	868.237	868.024	867.235	866.346	864.719	862.991	860.888	858.521	856.055	853.538
<b>35</b>	815.027	814.814	814.025	812.924	811.246	809.205	806.739	804.110	801.330	798.338
<b>40</b>	754.055	753.729	752.890	751.588	749.798	747.707	745.178	742.348	739.519	736.414
<b>45</b>	685.933	685.683	684.894	683.579	681.852	679.698	677.182	674.390	671.560	668.518
<b>50</b>	612.791	612.741	611.902	610.851	609.223	607.233	604.866	602.300	599.570	596.841
<b>55</b>	536.069	535.806	535.230	534.241	532.764	530.873	528.832	526.579	524.112	521.433
<b>60</b>	456.842	456.730	456.266	455.365	454.113	452.535	450.808	448.867	446.864	444.723
<b>65</b>	377.603	377.390	376.977	376.239	375.237	373.985	372.620	370.943	369.102	367.374
<b>70</b>	298.677	298.577	298.214	297.575	296.899	295.898	294.696	293.431	292.067	290.652
<b>75</b>	222.280	222.280	222.017	221.541	220.865	220.177	219.338	218.236	217.297	216.145
<b>80</b>	149.551	149.451	149.188	148.863	148.550	147.874	147.248	146.559	145.720	144.881
<b>85</b>	82.069	82.019	81.968	81.756	81.393	81.017	80.604	80.128	79.552	78.976
<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>	1005.732	1005.732	1005.732	1005.732	1005.732	1005.732	1005.732	1005.732	1005.732
<b>5</b>	1002.990	1002.940	1002.827	1002.777	1002.777	1002.777	1002.777	1002.677	1002.677
<b>10</b>	990.808	990.495	990.132	989.706	989.606	989.343	989.243	989.130	989.130
<b>15</b>	969.298	968.460	967.671	966.932	966.356	965.893	965.517	965.254	965.204
<b>20</b>	938.549	937.185	935.870	934.618	933.616	932.828	932.152	931.826	931.726
<b>25</b>	898.936	896.833	895.042	893.214	891.850	890.635	889.909	889.271	889.120
<b>30</b>	851.022	848.556	846.189	844.098	842.471	840.993	840.004	839.316	839.053
<b>35</b>	795.396	792.666	790.150	787.633	785.643	784.015	782.800	782.024	781.962
<b>40</b>	733.109	730.329	727.500	724.983	722.880	721.102	719.837	719.099	718.786
<b>45</b>	665.476	662.583	659.917	657.237	655.134	653.306	652.092	651.303	651.203
<b>50</b>	593.849	591.069	588.603	586.136	584.146	582.455	581.354	580.577	580.365
<b>55</b>	518.916	516.550	514.246	511.993	510.253	508.688	507.523	506.947	506.797
<b>60</b>	442.407	440.366	438.363	436.372	434.694	433.330	432.328	431.702	431.552
<b>65</b>	365.484	363.643	362.066	360.238	358.973	357.772	356.933	356.294	356.194
<b>70</b>	289.074	287.609	286.145	284.667	283.515	282.464	281.738	281.262	281.162
<b>75</b>	214.881	213.679	212.514	211.363	210.424	209.635	209.059	208.583	208.533
<b>80</b>	143.993	143.041	142.152	141.263	140.474	139.786	139.160	138.897	138.747
<b>85</b>	78.400	77.762	77.036	76.460	75.884	75.295	74.832	74.569	74.306
<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	369.13	N.A.	12.60
0-30	784.24	N.A.	26.70
0-40	1283.58	N.A.	43.70
0-60	2265.74	N.A.	77.10
0-80	2858.14	N.A.	97.20
0-90	2940.32	N.A.	100.00
10-90	2844.96	N.A.	96.80
20-40	914.45	N.A.	31.10
20-50	1430.22	N.A.	48.60
40-70	1345.9	N.A.	45.80
60-80	592.40	N.A.	20.10
70-80	228.65	N.A.	7.80
80-90	82.18	N.A.	2.80
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	2940.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	95.36
10-20	273.78
20-30	415.11
30-40	499.34
40-50	515.77
50-60	466.39
60-70	363.74
70-80	228.65
80-90	82.18
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

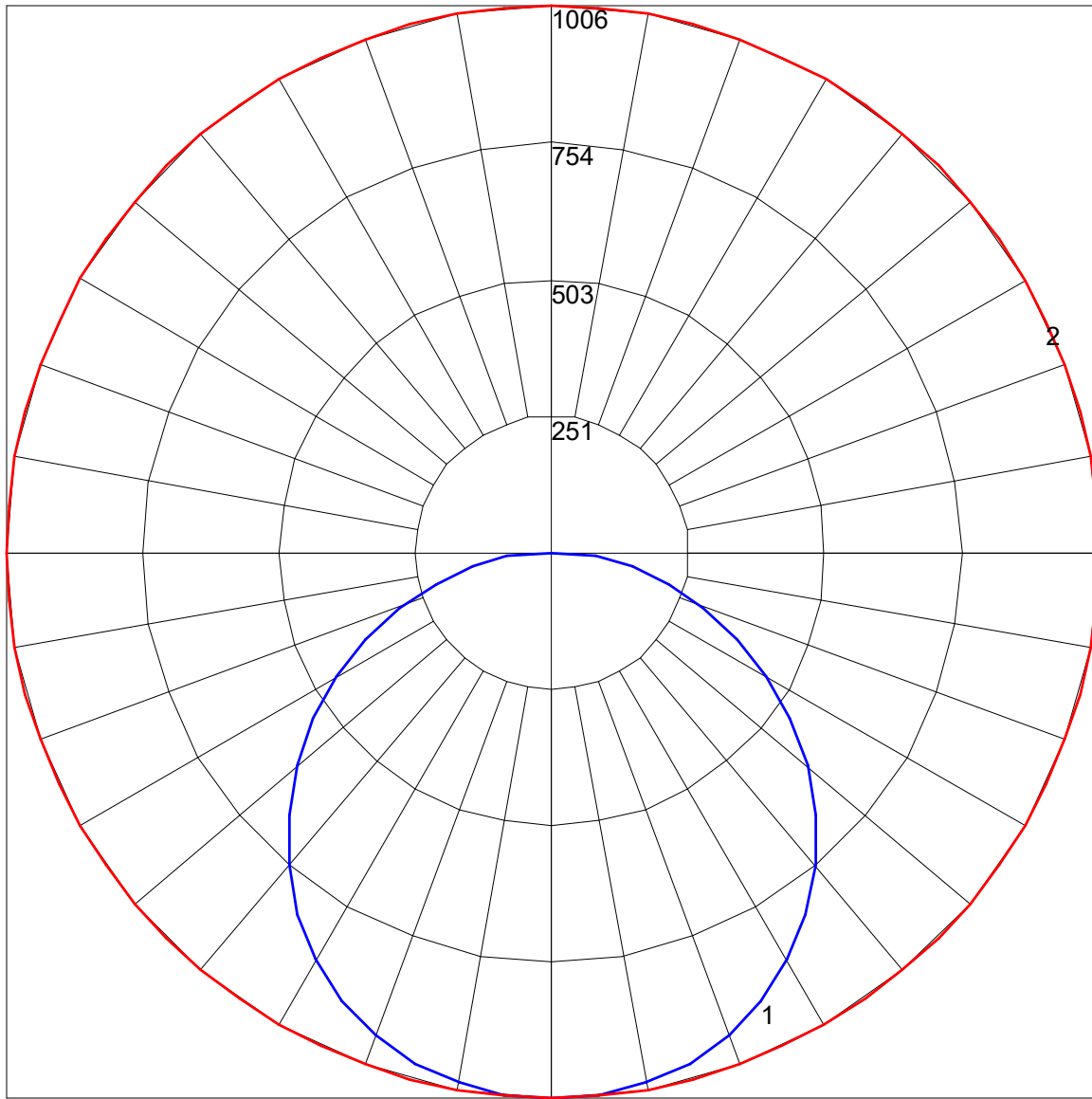
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	79	70	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

POLAR GRAPH



Maximum Candela = 1005.732 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.)