

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-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	76	79	80	80
Total Lumens, 4' rail length (1219mm)	1975	2037	2079	2079
Lumens per foot (305mm)	494	509	520	520
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_BL.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-BL

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

[MORE] critical edge, 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	2079
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
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	10848	10572	10298
55	10451	10166	9881
65	9991	9721	9425
75	9604	9339	9010
85	10530	10133	9534

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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	711.161	711.161	711.161	711.161	711.161	711.161	711.161	711.161	711.161	711.161
5	709.594	709.594	709.550	709.515	709.479	709.479	709.409	709.329	709.293	709.223
10	702.468	702.397	702.317	702.247	702.025	701.839	701.653	701.432	701.202	700.910
15	689.480	689.445	689.330	689.109	688.737	688.330	687.736	687.258	686.621	685.992
20	670.553	670.517	670.261	669.818	669.225	668.481	667.702	666.702	665.692	664.692
25	645.401	645.215	644.879	644.251	643.356	642.391	641.285	639.913	638.531	637.053
30	613.938	613.787	613.230	612.601	611.450	610.228	608.741	607.068	605.324	603.544
35	576.313	576.162	575.604	574.825	573.639	572.196	570.452	568.593	566.627	564.512
40	533.198	532.968	532.375	531.454	530.188	528.710	526.922	524.921	522.920	520.725
45	485.029	484.852	484.295	483.365	482.143	480.621	478.841	476.867	474.866	472.715
50	433.310	433.275	432.682	431.938	430.787	429.379	427.706	425.891	423.961	422.031
55	379.059	378.873	378.466	377.766	376.722	375.385	373.942	372.348	370.604	368.710
60	323.037	322.957	322.630	321.992	321.107	319.992	318.770	317.398	315.981	314.467
65	267.006	266.856	266.564	266.041	265.333	264.448	263.483	262.297	260.995	259.774
70	211.197	211.126	210.870	210.418	209.940	209.232	208.382	207.488	206.523	205.522
75	157.176	157.176	156.990	156.654	156.176	155.689	155.096	154.317	153.653	152.838
80	105.749	105.678	105.492	105.262	105.041	104.563	104.120	103.633	103.040	102.447
85	58.031	57.996	57.961	57.810	57.553	57.288	56.996	56.659	56.252	55.845
90	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	711.161	711.161	711.161	711.161	711.161	711.161	711.161	711.161	711.161
5	709.223	709.187	709.108	709.072	709.072	709.072	709.072	709.001	709.001
10	700.609	700.387	700.131	699.830	699.759	699.573	699.502	699.422	699.422
15	685.399	684.806	684.248	683.726	683.319	682.991	682.726	682.540	682.504
20	663.656	662.691	661.762	660.876	660.168	659.610	659.132	658.902	658.831
25	635.645	634.158	632.892	631.600	630.635	629.776	629.262	628.811	628.705
30	601.765	600.021	598.348	596.869	595.718	594.674	593.974	593.487	593.301
35	562.431	560.501	558.722	556.942	555.535	554.384	553.525	552.976	552.932
40	518.387	516.422	514.421	512.642	511.155	509.897	509.003	508.481	508.260
45	470.563	468.518	466.633	464.738	463.251	461.958	461.100	460.542	460.471
50	419.915	417.950	416.206	414.462	413.054	411.859	411.080	410.531	410.381
55	366.930	365.257	363.628	362.035	360.804	359.697	358.874	358.467	358.361
60	312.830	311.387	309.970	308.562	307.376	306.411	305.703	305.260	305.154
65	258.437	257.135	256.020	254.727	253.833	252.983	252.390	251.939	251.868
70	204.407	203.371	202.335	201.291	200.476	199.733	199.219	198.883	198.812
75	151.944	151.094	150.271	149.456	148.792	148.235	147.827	147.491	147.456
80	101.818	101.146	100.517	99.888	99.331	98.844	98.401	98.215	98.109
85	55.437	54.986	54.473	54.065	53.658	53.242	52.914	52.728	52.543
90	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	261.02	N.A.	12.60
0-30	554.55	N.A.	26.70
0-40	907.63	N.A.	43.70
0-60	1602.12	N.A.	77.10
0-80	2021.01	N.A.	97.20
0-90	2079.12	N.A.	100.00
10-90	2011.69	N.A.	96.80
20-40	646.61	N.A.	31.10
20-50	1011.32	N.A.	48.60
40-70	951.70	N.A.	45.80
60-80	418.89	N.A.	20.10
70-80	161.68	N.A.	7.80
80-90	58.11	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	2079.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	67.43
10-20	193.59
20-30	293.53
30-40	353.08
40-50	364.70
50-60	329.79
60-70	257.21
70-80	161.68
80-90	58.11
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

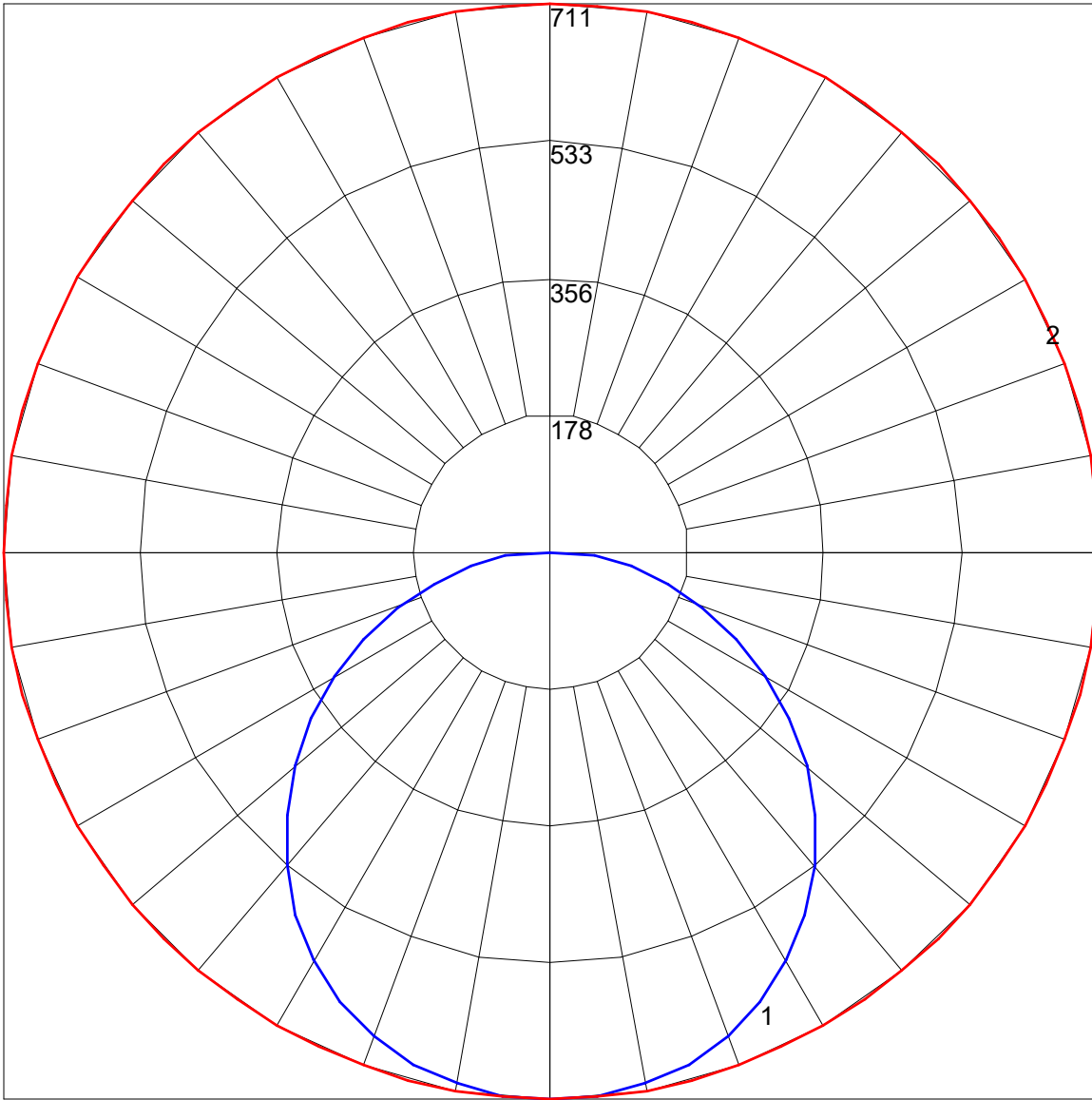
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 711.161 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.)