

IES Report

ZipTwo® | 707 | Ceiling Cable | Square 3520, Critical Edge | 80 CRI | SO

707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-SO-X-F5-WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	92	95	97	97
Total Lumens, 4' rail length (1219mm)	2383	2458	2508	2508
Lumens per foot (305mm)	596	614	627	627
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_F5_WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L102012301 (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-F5-WH

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

[MORE] square 3520, critical edge, 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	2508
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	26.11
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.13 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	16806	16613	16407
55	16265	16070	15840
65	15706	15484	15185
75	15355	15029	14554
85	17440	16594	15430

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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	853.288	853.288	853.288	853.288	853.288	853.288	853.288	853.288	853.288	853.288
5	851.167	851.007	850.957	851.007	850.908	850.797	850.859	850.908	850.797	850.859
10	841.240	841.338	841.289	841.190	841.190	841.190	840.931	840.833	840.623	840.574
15	824.394	824.345	824.345	824.234	824.024	823.876	823.506	822.680	822.322	822.273
20	799.373	799.422	799.274	799.114	798.855	798.337	797.819	797.251	796.536	796.068
25	767.531	767.334	766.964	766.865	766.446	765.928	765.102	764.276	763.819	762.623
30	728.353	727.946	727.946	727.687	727.119	725.985	725.677	724.271	723.753	722.520
35	682.465	682.416	682.206	681.577	680.911	679.925	679.308	678.174	677.298	676.102
40	630.979	630.930	630.572	630.005	629.327	628.550	627.723	626.638	625.602	624.369
45	574.647	574.437	574.289	573.919	573.191	572.575	571.601	570.515	569.627	568.024
50	513.961	514.170	513.961	513.443	512.826	512.308	511.482	510.557	509.472	508.387
55	451.117	450.907	450.809	450.439	449.982	449.205	448.428	447.553	446.616	445.691
60	386.608	386.608	386.510	386.041	385.634	385.005	384.228	383.513	382.576	381.651
65	320.965	320.916	320.817	320.398	320.089	319.682	318.955	318.227	317.401	316.427
70	255.951	255.642	255.593	255.272	254.865	254.397	253.731	253.053	252.276	251.449
75	192.170	192.268	192.009	191.861	191.442	190.986	190.406	189.641	188.963	188.088
80	130.769	130.719	130.559	130.300	129.942	129.474	128.857	128.290	127.612	126.946
85	73.499	73.499	73.338	73.141	72.771	72.315	71.896	71.279	70.551	69.935
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	853.288	853.288	853.288	853.288	853.288	853.288	853.288	853.288	853.288
5	850.649	850.649	850.538	850.748	850.649	850.698	850.698	850.649	850.649
10	839.994	840.364	840.413	840.105	839.945	839.895	839.895	839.846	839.686
15	821.595	821.656	821.287	820.929	820.621	820.312	820.152	820.251	819.745
20	795.451	794.982	794.255	793.737	793.281	793.022	792.763	792.393	792.454
25	761.698	760.921	760.354	759.676	758.899	758.393	758.073	757.875	757.925
30	721.484	720.608	719.622	718.697	717.969	717.352	716.785	716.575	716.477
35	675.128	673.882	672.896	671.872	670.885	670.207	669.689	669.282	669.122
40	623.173	622.149	621.163	620.078	619.140	618.474	617.907	617.439	617.648
45	567.050	565.915	564.929	563.942	563.017	562.290	561.562	561.205	560.995
50	507.351	506.056	504.971	504.194	503.109	502.443	501.925	501.456	501.555
55	444.556	443.360	442.484	441.609	440.783	440.006	439.586	439.278	439.327
60	380.775	379.628	378.654	377.828	377.051	376.323	375.707	375.349	375.238
65	315.539	314.565	313.479	312.542	311.617	311.247	310.631	310.421	310.322
70	250.475	249.489	248.662	247.676	246.751	246.023	245.616	245.246	245.197
75	187.311	186.324	185.350	184.413	183.697	182.921	182.452	182.242	182.144
80	126.119	125.231	124.455	123.530	122.913	122.136	121.668	121.359	121.359
85	69.207	68.430	67.764	67.037	66.420	65.902	65.434	65.125	65.027
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	312.88	N.A.	12.50
0-30	664.30	N.A.	26.50
0-40	1087.18	N.A.	43.30
0-60	1923.83	N.A.	76.70
0-80	2435.6	N.A.	97.10
0-90	2507.95	N.A.	100.00
10-90	2427.07	N.A.	96.80
20-40	774.30	N.A.	30.90
20-50	1212.54	N.A.	48.30
40-70	1149.74	N.A.	45.80
60-80	511.77	N.A.	20.40
70-80	198.68	N.A.	7.90
80-90	72.35	N.A.	2.90
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	2507.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	80.88
10-20	232.01
20-30	351.42
30-40	422.87
40-50	438.25
50-60	398.40
60-70	313.09
70-80	198.68
80-90	72.35
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

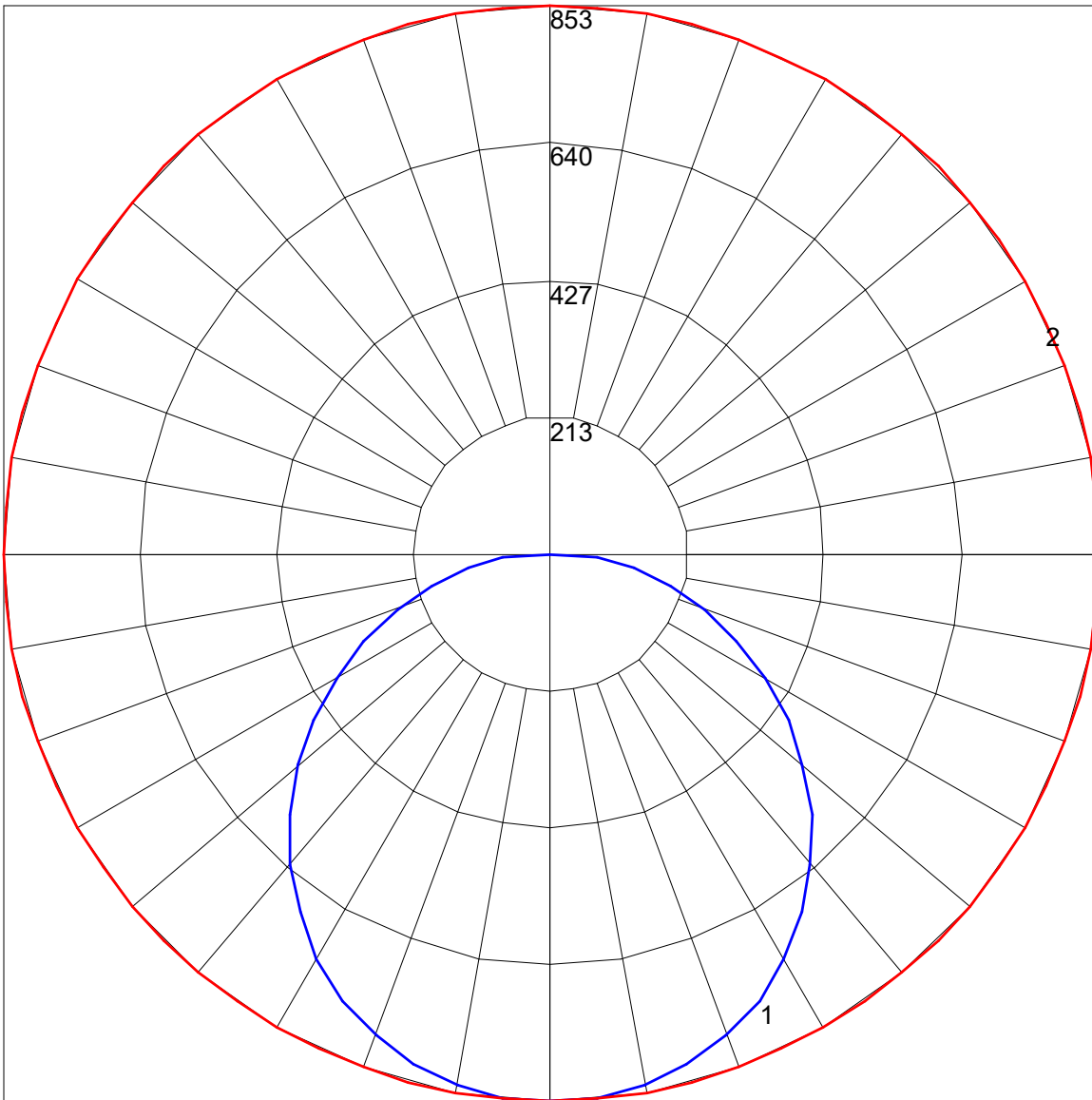
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	60	68	64	59	57
4	82	69	60	53	79	68	60	53	65	58	52	63	57	52	61	55	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	39	51	44	39	50	43	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

POLAR GRAPH



Maximum Candela = 853.288 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.)