

IES Report

ZipTwo® | 707 | Ceiling Cable | Square 3555, Diffuse | 80 CRI | SO

707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-SO-X-J6-WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	150	154	158	158
Total Lumens, 4' rail length (1219mm)	3897	4020	4102	4102
Lumens per foot (305mm)	974	1005	1025	1025
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_J6_WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L082011206 (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-J6-WH
[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 80 CRI, zipper board,
[MORE] square 3555, 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	4102
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	157
Total Luminaire Watts	26.17
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	2.04
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.84
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.18 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8658	8115	8798
55	8520	7851	8342
65	8166	7503	7873
75	7621	7078	7401
85	7024	6686	7401

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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	489.147	489.147	489.147	489.147	489.147	489.147	489.147	489.147	489.147	489.147
5	499.370	499.370	499.064	498.629	497.935	497.194	496.311	495.323	494.182	493.053
10	532.992	532.744	531.956	530.521	528.404	525.792	522.780	519.181	515.146	510.711
15	565.825	565.390	563.954	561.590	558.084	553.802	548.673	542.709	536.003	528.945
20	596.894	596.199	594.035	590.623	585.553	579.342	572.095	563.213	553.555	543.050
25	626.174	625.045	622.139	617.504	610.693	602.270	592.153	580.424	567.507	553.849
30	652.808	651.467	647.773	641.609	632.986	622.433	609.563	594.670	578.201	561.002
35	675.877	674.254	669.572	662.125	651.420	638.256	623.021	604.834	584.906	564.154
40	694.123	692.253	686.876	678.100	665.525	649.996	631.903	610.799	587.376	563.366
45	705.958	703.781	697.676	687.559	673.360	655.714	635.197	611.540	585.059	557.943
50	709.404	707.134	700.476	689.735	673.960	654.631	632.197	606.164	577.565	547.591
55	703.593	701.323	694.417	682.924	666.607	645.797	622.280	594.470	563.954	532.109
60	687.806	685.641	678.489	666.713	650.184	629.033	604.681	576.036	544.332	511.346
65	662.372	660.054	653.243	641.609	625.339	604.387	580.177	551.285	519.181	485.712
70	628.245	626.127	619.528	608.669	593.141	572.730	548.967	520.616	489.006	455.726
75	588.212	586.188	580.130	569.872	555.084	535.803	513.028	485.900	455.184	422.798
80	543.932	542.015	536.544	527.074	513.263	495.323	473.972	448.279	419.092	389.118
85	498.088	496.500	491.135	482.406	469.584	453.314	433.198	409.034	383.942	353.767
90	455.784	454.255	449.373	441.338	429.892	414.457	395.870	374.872	349.473	320.875
95	426.692	425.304	421.163	413.869	403.364	390.400	373.542	352.532	328.321	301.994
100	405.387	404.211	400.505	394.000	384.883	372.060	356.226	337.050	314.028	289.418
105	387.930	386.753	383.059	376.648	367.272	355.143	339.909	321.816	301.158	277.595
110	367.919	366.731	363.284	357.120	348.438	336.662	322.463	305.452	285.630	263.737
115	347.509	346.367	343.015	337.344	329.063	318.016	304.652	288.336	269.796	248.844
120	326.404	325.369	322.310	316.934	308.946	298.441	285.877	270.537	252.785	233.515
125	304.511	303.523	300.570	295.441	287.842	278.030	266.302	252.044	235.386	217.340
130	281.430	280.395	277.536	272.760	265.655	256.679	245.738	232.327	216.893	197.470
135	256.879	256.043	253.432	248.938	242.291	234.009	223.645	209.352	191.106	172.919
140	231.245	230.304	227.892	223.645	217.681	209.740	196.482	180.166	164.437	149.003
145	204.023	203.235	200.917	197.118	191.647	179.919	165.614	152.356	139.392	126.910
150	175.625	174.837	172.860	169.507	160.190	147.521	136.427	126.122	117.252	109.064
155	146.344	145.744	143.921	138.251	126.228	117.005	108.970	103.794	97.771	90.383
160	115.970	115.475	113.252	102.112	94.077	87.912	85.007	81.254	75.584	67.702
165	83.124	82.583	74.454	68.184	63.949	63.314	61.290	57.785	52.020	47.585
170	51.373	46.691	40.633	38.315	39.492	39.892	38.562	36.680	34.763	32.339
175	25.340	19.775	19.869	21.940	22.775	22.481	22.093	21.646	20.858	20.022
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	489.147	489.147	489.147	489.147	489.147	489.147	489.147	489.147	489.147
5	491.970	490.935	489.900	488.912	488.218	487.582	487.135	486.994	487.135
10	505.923	501.041	496.064	491.229	487.335	484.230	481.665	480.430	480.336
15	520.910	512.475	504.005	494.782	486.147	478.160	472.489	468.948	467.913
20	531.756	520.028	508.040	495.370	482.700	470.078	459.325	452.973	451.044
25	538.709	523.380	507.746	491.382	475.160	458.643	443.256	433.045	429.751
30	542.309	522.933	503.605	483.289	463.713	443.644	424.810	409.975	404.799
35	541.473	518.592	495.523	471.560	448.679	425.163	403.317	384.036	377.083
40	537.474	510.558	484.030	456.514	429.998	404.105	379.354	356.179	346.614
45	528.404	498.570	468.348	438.127	408.599	380.142	352.532	327.039	314.369
50	515.287	482.206	449.714	416.387	384.930	353.861	323.933	296.370	280.548
55	497.641	462.784	427.186	392.224	358.602	325.510	293.912	264.772	246.232
60	475.501	439.115	402.188	366.343	330.392	295.688	262.796	232.374	211.128

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CANDELA TABULATION - (Cont.)

65	448.679	412.246	374.872	337.297	300.417	264.619	230.657	199.247	176.413
70	418.704	382.506	344.544	306.629	269.749	232.915	197.918	166.461	141.709
75	386.847	350.708	313.087	275.172	237.550	201.858	166.402	134.357	108.182
80	354.461	318.557	282.171	245.197	207.917	171.237	136.580	104.476	76.725
85	321.181	286.618	250.714	212.952	177.154	140.815	106.652	75.090	47.232
90	289.077	255.596	220.693	183.860	148.356	113.052	78.736	47.138	19.422
95	271.725	240.809	207.670	174.248	139.933	106.052	73.066	42.397	14.787
100	262.208	232.127	200.670	167.249	134.851	101.770	70.749	39.598	14.493
105	251.114	222.904	193.083	161.084	130.016	98.806	66.855	36.833	13.999
110	238.880	212.211	184.012	153.732	124.251	94.171	63.855	33.927	14.399
115	225.375	200.776	173.754	145.697	117.640	89.489	60.008	30.622	14.199
120	211.764	187.612	163.202	137.509	110.687	83.619	55.020	26.669	13.905
125	197.023	174.001	149.838	124.298	99.700	73.666	47.527	23.469	13.811
130	176.213	153.979	132.286	109.852	87.512	63.655	40.433	20.316	13.505
135	153.885	135.051	115.864	95.700	75.737	54.291	33.869	18.140	13.117
140	132.874	116.899	100.629	82.148	63.749	45.656	28.445	16.517	12.717
145	115.075	102.559	85.054	68.090	52.903	36.927	24.210	14.987	12.423
150	99.100	84.654	70.208	56.902	43.492	31.857	22.093	14.540	12.623
155	78.595	67.302	57.491	45.950	36.292	27.810	19.916	14.399	12.717
160	60.208	51.867	43.833	36.539	29.928	23.422	17.458	13.752	12.423
165	42.950	38.257	33.680	28.445	23.916	19.128	15.434	13.117	12.129
170	29.728	27.316	24.599	21.693	18.387	15.881	13.999	12.870	12.329
175	18.881	17.705	16.317	15.093	14.199	13.364	12.776	12.423	12.329
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	195.91	N.A.	4.80
0-30	446.94	N.A.	10.90
0-40	791.42	N.A.	19.30
0-60	1665.67	N.A.	40.60
0-80	2540.29	N.A.	61.90
0-90	2893.5	N.A.	70.50
10-90	2845.93	N.A.	69.40
20-40	595.51	N.A.	14.50
20-50	1012.59	N.A.	24.70
40-70	1331.05	N.A.	32.50
60-80	874.62	N.A.	21.30
70-80	417.82	N.A.	10.20
80-90	353.21	N.A.	8.60
90-110	560.29	N.A.	13.70
90-120	781.36	N.A.	19.00
90-130	954.89	N.A.	23.30
90-150	1153.66	N.A.	28.10
90-180	1208.23	N.A.	29.50
110-180	647.95	N.A.	15.80
0-180	4101.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	47.57
10-20	148.34
20-30	251.03
30-40	344.47
40-50	417.09
50-60	457.16
60-70	456.80
70-80	417.82
80-90	353.21
90-100	297.81
100-110	262.48
110-120	221.08
120-130	173.53
130-140	122.76
140-150	76.01
150-160	38.93
160-170	13.68
170-180	1.96

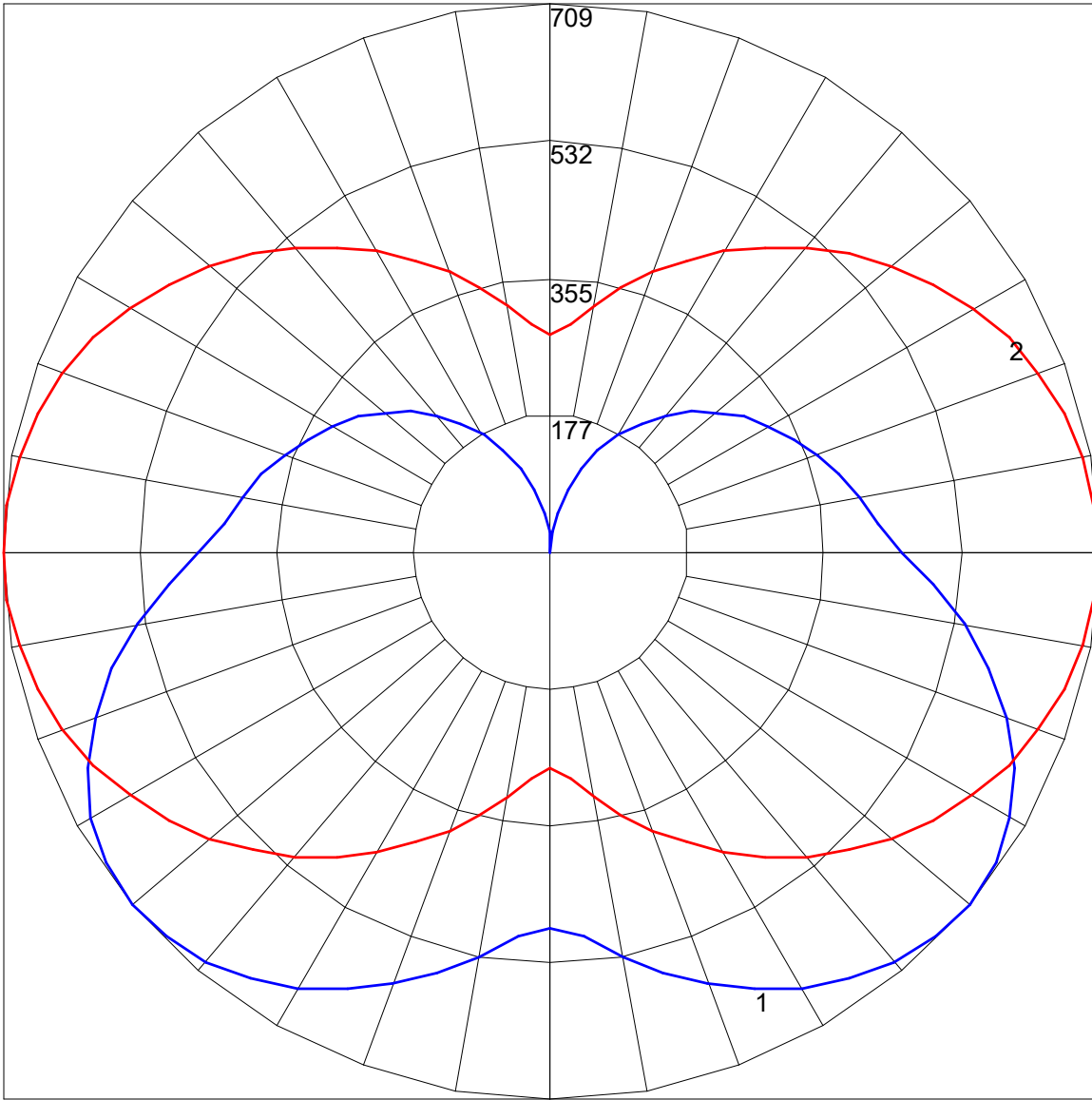
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	112	112	112	106	106	106	106	95	95	95	84	84	84	75	75	75	71
1	98	92	86	81	92	87	82	77	77	73	69	68	65	62	60	57	55	51
2	88	78	70	63	82	73	66	60	65	59	54	57	52	48	50	46	43	39
3	79	67	58	50	74	63	55	48	56	49	43	49	43	39	43	38	34	31
4	71	58	49	41	67	55	46	39	49	41	36	43	37	32	37	32	28	25
5	65	51	42	35	61	48	40	33	43	36	30	38	32	27	33	28	24	21
6	60	46	36	29	56	43	34	28	38	31	26	34	28	23	30	25	21	18
7	55	41	32	25	52	39	30	24	35	27	22	31	24	20	27	22	18	15
8	51	37	28	22	48	35	27	21	31	24	19	28	22	18	24	19	16	13
9	48	34	25	20	45	32	24	19	29	22	17	25	20	16	22	18	14	12
10	44	31	23	17	42	29	22	17	26	20	15	23	18	14	21	16	12	10

POLAR GRAPH



Maximum Candela = 709.404 Located At Horizontal Angle = 0, Vertical Angle = 50
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (50) (Through Max. Cd.)