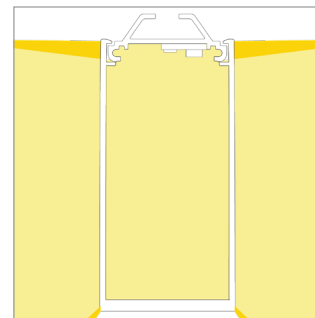
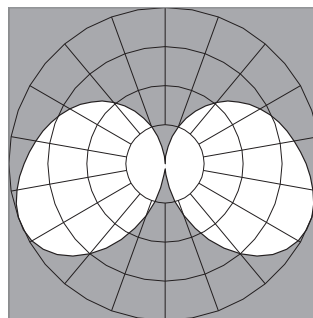




IES Report

ZipTwo® | 707 | Ceiling Cable | Square 3570, Side Diffuse | 80 CRI | SO

707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-SO-X-H9-WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	143	147	150	150
Total Lumens, 4' rail length (1219mm)	3717	3834	3913	3913
Lumens per foot (305mm)	929	959	978	978
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_H9_WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L082011202 (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-H9-WH

[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 80 CRI, zipper board, square 3570,

[MORE] side 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	3913
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	26.19
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	0.22 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6246	4782	591
55	6924	5492	569
65	7269	5953	486
75	7387	6452	531
85	7476	6937	947

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_CC_SO_35_H9_WH.IES

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	30.929	30.929	30.929	30.929	30.929	30.929	30.929	30.929	30.929	30.929
5	48.037	47.942	47.537	46.739	45.440	43.844	41.997	40.043	38.101	36.397
10	107.857	107.464	106.309	104.212	101.221	97.421	92.882	87.485	81.492	75.106
15	173.277	172.574	170.430	166.879	161.685	155.096	147.460	138.512	128.481	117.841
20	242.676	241.580	238.435	233.193	225.556	216.013	204.980	191.899	177.316	162.138
25	314.684	313.136	308.692	301.746	291.369	278.835	264.050	246.524	227.152	207.077
30	385.096	383.250	377.555	368.667	355.776	340.705	322.071	300.554	276.131	250.968
35	453.101	450.909	444.416	433.527	418.348	399.322	376.351	351.785	323.918	293.859
40	517.020	514.423	506.583	493.847	476.417	453.197	429.285	399.226	363.365	332.162
45	573.540	570.550	561.852	548.127	527.850	503.438	474.928	442.164	405.016	364.616
50	619.885	616.740	607.102	592.019	570.800	544.279	513.172	477.418	439.472	396.974
55	654.531	651.136	641.402	625.473	603.849	575.887	543.576	505.583	463.240	420.100
60	676.203	672.915	663.372	647.800	625.521	597.165	564.152	525.253	481.612	436.374
65	685.889	682.851	673.308	657.629	635.660	608.341	575.637	536.845	493.752	442.915
70	684.590	681.850	672.557	657.784	637.161	610.390	578.186	540.634	498.339	453.006
75	674.606	671.962	663.622	649.897	630.263	604.600	574.291	537.738	496.194	452.005
80	658.725	656.128	648.443	635.564	616.740	593.222	564.807	529.851	490.154	447.406
85	639.353	637.054	629.572	617.729	600.656	578.484	550.522	518.616	481.814	441.021
90	618.980	616.990	609.890	599.060	582.881	561.805	536.190	504.987	468.875	425.735
95	598.607	596.463	590.124	579.580	564.009	544.029	519.760	489.999	455.401	416.156
100	578.341	576.340	569.942	559.755	544.827	525.550	502.282	474.022	441.366	404.468
105	558.159	556.217	550.177	540.085	526.051	507.274	484.662	457.093	425.735	392.733
110	537.190	535.189	529.446	519.760	505.785	487.461	465.587	438.876	406.017	376.304
115	514.518	512.624	506.881	497.088	483.268	465.980	444.714	419.051	391.434	358.874
120	489.451	487.652	481.766	472.521	459.344	442.164	421.398	398.273	371.205	340.204
125	461.489	459.594	454.197	445.357	432.383	415.953	396.879	374.362	347.496	318.628
130	429.929	428.237	422.947	414.548	403.063	388.242	369.811	348.044	322.024	292.119
135	396.474	394.973	390.279	382.499	371.157	356.634	339.156	316.329	287.926	258.713
140	359.326	357.777	353.286	345.899	335.653	322.131	301.257	275.035	249.372	224.460
145	317.782	316.626	312.588	306.047	296.611	278.478	255.758	233.538	212.165	191.899
150	274.141	273.093	269.697	263.847	249.872	229.499	211.521	194.139	179.258	165.831
155	228.594	227.796	224.901	216.311	197.641	182.606	169.775	160.434	150.307	138.214
160	181.057	180.306	177.316	160.434	147.900	138.322	133.222	126.384	117.150	103.616
165	129.934	129.184	117.746	107.762	101.364	99.315	95.574	89.736	80.300	72.556
170	79.800	73.509	63.716	59.618	60.571	60.821	59.070	55.722	52.326	48.585
175	36.647	27.569	27.462	30.262	32.204	32.061	31.405	30.357	28.915	27.366
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	30.929	30.929	30.929	30.929	30.929	30.929	30.929	30.929	30.929
5	34.860	33.752	32.752	32.108	31.655	31.465	31.310	31.215	31.358
10	67.862	60.666	52.934	44.940	37.755	33.562	31.513	30.964	31.060
15	106.166	94.025	81.396	68.506	55.424	42.295	33.061	30.512	30.464
20	145.410	128.135	110.300	92.226	74.057	55.877	38.101	30.011	29.463
25	184.953	162.388	139.215	115.745	92.631	69.161	46.488	29.856	28.367
30	224.305	195.437	167.427	138.214	109.561	81.099	54.375	30.214	26.771
35	260.857	227.545	193.888	158.945	127.730	93.227	64.312	31.262	25.162
40	294.717	257.056	217.907	178.519	141.014	104.557	70.102	35.254	23.375
45	325.371	282.779	239.734	197.284	155.096	116.293	74.999	37.898	21.278
50	352.488	306.047	259.356	211.068	166.081	121.535	78.847	39.102	18.074
55	371.014	324.275	274.582	223.399	175.374	129.136	82.886	41.651	16.977
60	382.594	336.404	285.579	234.396	183.464	133.473	86.889	43.748	14.678

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_CC_SO_35_H9_WH.IES

CANDELA TABULATION - (Cont.)

65	396.426	347.436	294.514	239.638	188.051	136.570	89.188	44.141	11.080
70	400.668	352.440	299.304	243.677	191.446	139.763	94.275	44.094	10.186
75	398.619	352.881	300.852	246.119	192.947	141.765	95.169	45.893	7.994
80	398.071	350.986	299.804	245.881	192.840	140.311	94.478	45.845	5.897
85	394.282	347.293	296.563	242.676	191.303	139.322	92.476	44.189	6.493
90	386.836	340.550	291.369	238.780	188.551	139.072	92.882	45.047	5.588
95	376.804	330.566	283.720	235.087	185.501	135.677	91.928	44.344	4.694
100	366.022	322.274	276.286	226.997	179.758	131.423	90.427	41.890	4.098
105	352.488	311.194	267.052	219.563	174.075	128.076	89.188	39.650	3.896
110	337.702	297.409	255.710	212.415	168.130	123.536	84.983	36.052	4.194
115	323.227	284.828	244.523	201.490	160.041	117.448	78.895	31.060	5.099
120	305.749	269.447	231.394	190.743	151.546	111.348	72.902	25.270	5.993
125	285.876	250.516	213.821	175.315	138.214	103.259	58.569	22.672	6.886
130	258.653	224.555	190.803	156.240	122.393	87.389	49.586	19.920	7.589
135	227.998	198.392	168.524	137.619	106.761	73.605	40.841	16.977	8.185
140	198.189	173.373	148.055	119.188	90.427	61.715	34.300	15.381	8.793
145	172.824	153.202	125.681	99.815	74.248	50.086	29.356	13.880	9.388
150	149.604	127.480	104.116	82.290	61.321	42.092	26.711	13.630	10.687
155	119.247	100.864	83.886	66.564	50.980	36.850	23.721	14.333	12.283
160	90.427	77.644	64.562	53.232	42.199	31.060	21.171	15.226	14.082
165	64.562	56.973	49.384	41.294	32.906	24.674	18.574	15.977	15.476
170	44.189	39.495	34.503	29.261	23.971	19.622	17.430	16.823	16.680
175	25.413	23.423	21.278	19.670	18.681	17.931	17.728	17.680	17.573
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_CC_SO_35_H9_WH.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	36.87	N.A.	0.90
0-30	126.38	N.A.	3.20
0-40	297.24	N.A.	7.60
0-60	907.27	N.A.	23.20
0-80	1747.32	N.A.	44.70
0-90	2178.84	N.A.	55.70
10-90	2174.1	N.A.	55.60
20-40	260.37	N.A.	6.70
20-50	523.33	N.A.	13.40
40-70	1016.39	N.A.	26.00
60-80	840.05	N.A.	21.50
70-80	433.69	N.A.	11.10
80-90	431.52	N.A.	11.00
90-110	778.45	N.A.	19.90
90-120	1097.00	N.A.	28.00
90-130	1352.14	N.A.	34.60
90-150	1651.22	N.A.	42.20
90-180	1734.16	N.A.	44.30
110-180	955.71	N.A.	24.40
0-180	3913.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	4.74
10-20	32.13
20-30	89.51
30-40	170.86
40-50	262.96
50-60	347.07
60-70	406.36
70-80	433.69
80-90	431.52
90-100	408.39
100-110	370.07
110-120	318.54
120-130	255.14
130-140	183.81
140-150	115.27
150-160	59.33
160-170	20.81
170-180	2.82

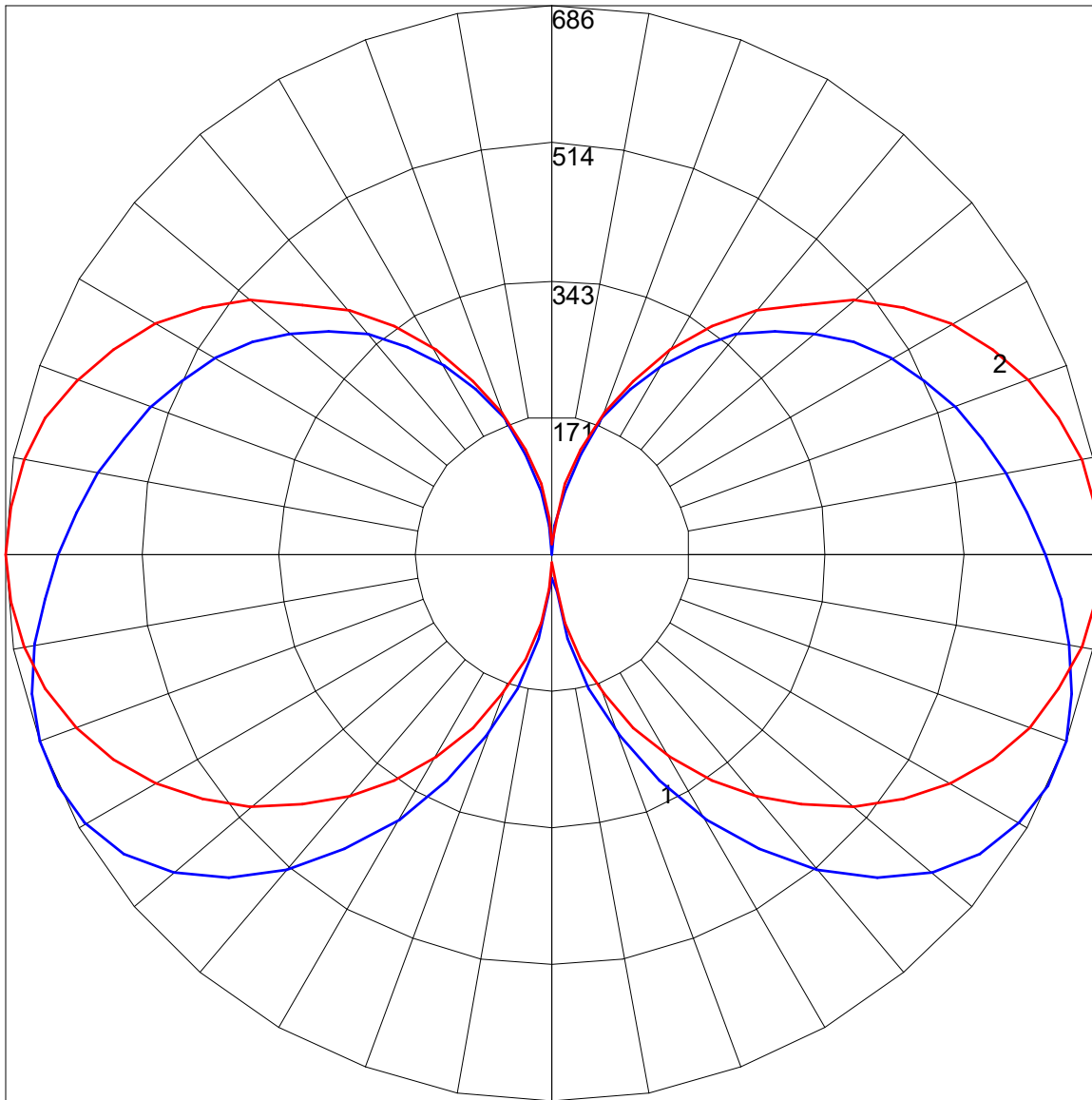
IES INDOOR REPORT
 PHOTOMETRIC FILENAME : VODE_707_Z2_CC_SO_35_H9_WH.IES

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
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56
1	93	86	80	75	86	80	74	69	67	63	59	56	52	49	45	43	40	35
2	83	72	64	56	75	66	59	52	55	49	44	45	41	37	36	33	29	25
3	74	61	52	44	67	56	48	41	47	40	34	38	33	28	30	26	22	18
4	67	53	43	35	61	49	40	33	40	33	28	33	27	23	26	21	18	14
5	61	46	36	29	55	43	34	27	35	28	23	29	23	18	22	18	14	11
6	55	41	31	24	50	38	29	23	31	24	19	25	20	15	20	15	12	9
7	51	37	27	21	46	34	25	19	28	21	16	23	17	13	18	13	10	7
8	47	33	24	18	43	30	22	16	25	18	14	21	15	11	16	12	8	6
9	44	30	21	15	40	27	20	14	23	16	12	19	13	10	15	10	7	5
10	41	27	19	14	37	25	17	12	21	15	10	17	12	8	13	9	6	4

POLAR GRAPH



Maximum Candela = 685.889 Located At Horizontal Angle = 0, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)