

IES Report

ZipTwo® | 707 | Ceiling Cable | Micro 3508, 60° Symmetric | 80 CRI | SO

707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-SO-X-S2-WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	100	103	105	105
Total Lumens, 4' rail length (1219mm)	2601	2683	2738	2738
Lumens per foot (305mm)	650	671	684	684
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_S2_WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911524 (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-S2-WH

[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 80 CRI, zipper board, micro 3508,

[MORE] 60° symmetric 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	2738
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	26.11
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.94
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.04
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.02 ft
Luminous Width (90-270)	3.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	52917	92605	141396
55	32319	53865	97256
65	25181	37771	70669
75	21885	29180	51064
85	19694	23633	31510

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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>
0.0	1853.659	1853.659	1853.659	1853.659	1853.659	1853.659	1853.659	1853.659	1853.659	1853.659
1.0	1853.659	1853.659	1853.659	1853.659	1853.659	1853.659	1853.659	1853.659	1853.659	1853.659
3.0	1851.118	1851.118	1851.118	1851.118	1851.118	1851.118	1851.118	1851.118	1851.118	1851.118
5.0	1843.495	1843.495	1843.495	1843.495	1843.495	1844.766	1844.766	1844.766	1844.766	1844.766
7.0	1832.061	1832.061	1832.061	1832.061	1833.331	1833.331	1833.331	1835.872	1835.872	1834.602
9.0	1811.733	1811.733	1813.003	1813.003	1814.274	1815.544	1816.815	1818.085	1819.356	1820.626
11.0	1783.782	1783.782	1785.052	1786.323	1788.864	1791.405	1793.946	1796.487	1799.028	1800.298
13.0	1745.667	1745.667	1746.937	1749.478	1753.290	1757.101	1762.183	1765.995	1771.077	1774.888
15.0	1694.847	1694.847	1697.388	1702.470	1707.552	1713.904	1721.527	1729.150	1735.503	1741.855
17.0	1630.051	1632.592	1636.404	1642.756	1650.379	1660.543	1670.707	1682.142	1692.306	1702.470
19.5	1527.141	1529.682	1536.034	1544.928	1558.903	1572.879	1589.395	1607.182	1623.699	1638.945
22.5	1374.681	1377.222	1387.386	1401.361	1420.419	1443.288	1468.698	1494.108	1519.518	1543.657
25.5	1195.540	1199.352	1210.786	1229.844	1255.254	1285.746	1320.049	1355.623	1392.468	1426.771
29.0	971.932	975.744	989.719	1012.588	1043.080	1079.925	1123.122	1168.860	1217.139	1262.877
33.0	727.996	733.078	747.054	769.923	800.415	842.341	888.079	940.170	996.072	1051.974
37.5	503.118	506.929	519.634	538.692	566.643	603.487	645.414	697.504	754.677	811.849
42.5	330.330	332.871	341.764	355.740	376.068	404.019	437.052	477.708	524.716	574.266
47.5	223.608	224.878	231.231	240.124	254.100	273.157	296.026	323.977	357.010	395.125
55.0	137.214	137.214	141.025	146.107	153.730	162.624	175.329	189.304	208.362	228.690
65.0	78.771	80.041	81.312	82.582	86.394	90.205	95.287	101.640	109.263	118.156
75.0	41.926	41.926	41.926	43.197	44.467	45.738	47.008	49.549	52.090	55.902
85.0	12.705	12.705	12.705	12.705	13.975	13.975	13.975	13.975	13.975	15.246
90.0	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>
0.0	1853.659	1853.659	1853.659	1853.659	1853.659	1853.659	1853.659	1853.659	1853.659
1.0	1853.659	1853.659	1853.659	1853.659	1853.659	1853.659	1853.659	1853.659	1853.659
3.0	1851.118	1851.118	1851.118	1851.118	1851.118	1851.118	1851.118	1851.118	1851.118
5.0	1846.036	1846.036	1846.036	1846.036	1846.036	1846.036	1846.036	1846.036	1847.307
7.0	1837.143	1837.143	1837.143	1838.413	1838.413	1838.413	1838.413	1838.413	1838.413
9.0	1821.897	1823.167	1824.438	1824.438	1825.708	1825.708	1825.708	1826.979	1825.708
11.0	1802.839	1805.380	1806.651	1807.921	1807.921	1809.192	1809.192	1810.462	1810.462
13.0	1778.700	1781.241	1783.782	1786.323	1787.593	1787.593	1788.864	1788.864	1788.864
15.0	1748.208	1753.290	1755.831	1759.642	1760.913	1762.183	1762.183	1763.454	1763.454
17.0	1711.363	1717.716	1724.068	1727.880	1730.421	1731.691	1731.691	1732.962	1732.962
19.5	1651.650	1663.084	1671.978	1677.060	1680.871	1683.412	1684.683	1683.412	1683.412
22.5	1565.256	1581.772	1595.748	1604.641	1610.994	1613.535	1614.805	1614.805	1614.805
25.5	1457.263	1482.673	1501.731	1515.706	1524.600	1528.411	1529.682	1529.682	1529.682
29.0	1306.074	1341.648	1369.599	1389.927	1401.361	1407.714	1410.255	1411.525	1411.525
33.0	1107.876	1153.614	1192.999	1219.680	1237.467	1247.631	1251.442	1252.713	1252.713
37.5	871.563	926.194	971.932	1007.506	1031.646	1046.892	1054.515	1057.056	1057.056
42.5	627.627	680.988	729.267	768.652	799.144	818.202	830.907	837.259	838.530
47.5	437.052	480.249	522.175	559.020	590.782	613.651	630.168	639.061	641.602
55.0	252.829	279.510	307.461	335.412	360.822	383.691	400.207	410.371	412.912
65.0	128.320	141.025	155.001	168.976	184.222	198.198	209.632	217.255	221.067
75.0	59.713	64.795	69.877	76.230	82.582	87.664	92.746	96.558	97.828
85.0	15.246	16.516	16.516	17.787	17.787	19.057	19.057	20.328	20.328
90.0	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	631.41	N.A.	23.10
0-30	1242.00	N.A.	45.40
0-40	1755.82	N.A.	64.10
0-60	2407.77	N.A.	87.90
0-80	2691.37	N.A.	98.30
0-90	2737.72	N.A.	100.00
10-90	2595.52	N.A.	94.80
20-40	1124.42	N.A.	41.10
20-50	1561.85	N.A.	57.00
40-70	834.94	N.A.	30.50
60-80	283.60	N.A.	10.40
70-80	100.61	N.A.	3.70
80-90	46.35	N.A.	1.70
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	2737.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	142.20
10-20	489.20
20-30	610.60
30-40	513.82
40-50	437.44
50-60	214.51
60-70	182.99
70-80	100.61
80-90	46.35
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

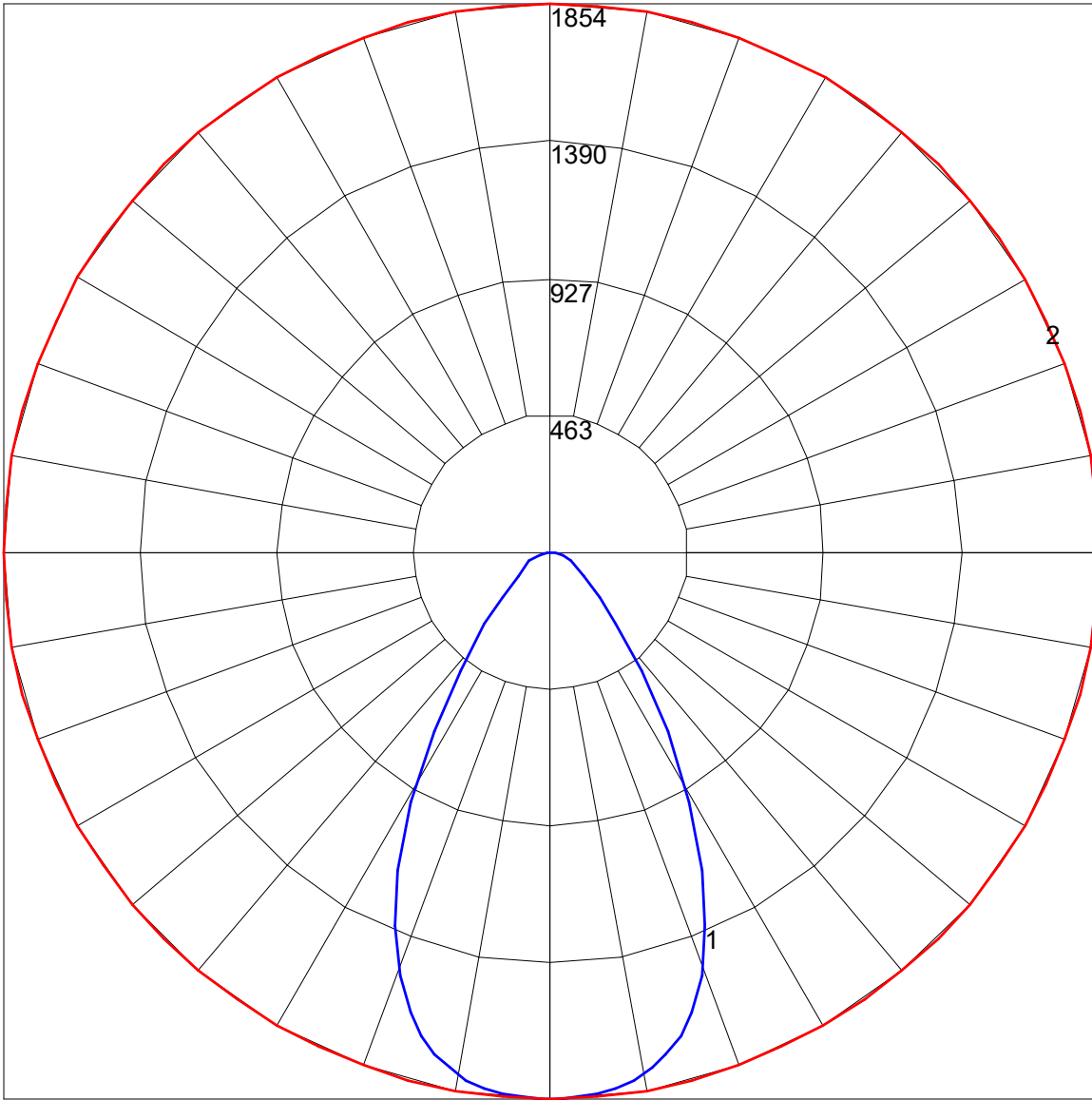
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	77	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	68	68
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	61	61
5	83	72	64	58	81	71	63	58	69	62	58	67	61	57	65	60	56	55	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49	49
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	45	45
8	68	56	49	44	67	56	48	44	54	48	43	53	47	43	52	47	43	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	39	38	38
10	61	49	42	37	59	48	42	37	47	41	37	47	41	37	46	40	37	35	35

POLAR GRAPH



Maximum Candela = 1853.659 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.)