

IES Report

ZipTwo[®] | 707 | Ceiling Cable | Micro 3508, High Lumen w/microbaffle | 80 CRI | SO
707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-SO-X-D4-WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	134	138	141	141
Total Lumens, 4' rail length (1219mm)	3480	3590	3663	3663
Lumens per foot (305mm)	870	898	916	916
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_D4_WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911535 (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-D4-WH

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

[MORE] high lumen lens with microbaffle, 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	3663
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	26.11
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.08 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	44664	39658	34201
55	39182	33148	27323
65	33506	27577	22212
75	28739	23360	18442
85	31947	25101	16886

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	1607.561	1607.561	1607.561	1607.561	1607.561	1607.561	1607.561	1607.561	1607.561	1607.561
5	1601.672	1600.494	1600.494	1600.494	1600.494	1600.494	1600.494	1600.494	1600.494	1600.494
10	1576.940	1576.940	1576.940	1576.940	1575.763	1575.763	1574.585	1573.407	1573.407	1572.230
15	1535.721	1535.721	1535.721	1534.543	1532.188	1531.010	1529.832	1527.477	1525.122	1522.766
20	1475.658	1474.480	1473.303	1472.125	1469.770	1467.414	1463.881	1460.348	1455.637	1450.926
25	1396.752	1396.752	1394.397	1393.219	1388.508	1383.798	1379.087	1372.021	1364.954	1357.888
30	1302.536	1301.359	1299.003	1295.470	1289.582	1282.515	1274.271	1266.028	1254.251	1243.651
35	1190.655	1189.477	1187.122	1182.411	1175.345	1165.923	1155.324	1142.369	1128.237	1112.927
40	1066.996	1065.819	1062.285	1057.575	1048.153	1037.554	1023.421	1008.111	991.623	971.603
45	935.094	933.916	930.383	924.495	913.895	902.118	886.808	869.143	850.299	830.279
50	799.658	798.481	794.948	789.059	778.460	765.505	750.195	731.352	712.509	691.310
55	665.401	664.223	660.690	654.801	645.380	632.425	618.293	600.627	581.784	562.941
60	538.209	537.031	533.498	527.610	519.366	507.589	494.634	479.324	464.014	446.348
65	419.261	418.084	415.728	411.017	403.951	394.530	383.930	370.976	358.021	345.066
70	312.091	312.091	309.735	306.202	300.314	293.247	285.003	275.582	264.983	255.561
75	220.230	220.230	217.875	215.519	211.986	206.098	200.209	194.321	186.077	179.010
80	144.857	144.857	143.679	141.324	138.969	135.436	130.725	127.192	121.303	116.592
85	82.439	82.439	81.261	80.084	78.906	76.551	74.195	70.662	68.307	64.774
90	35.331	35.331	34.153	32.976	31.798	30.620	29.443	27.087	24.732	22.376
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. 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	1607.561	1607.561	1607.561	1607.561	1607.561	1607.561	1607.561	1607.561	1607.561
5	1600.494	1599.317	1599.317	1599.317	1599.317	1599.317	1599.317	1599.317	1598.139
10	1571.052	1569.874	1568.696	1568.696	1567.519	1567.519	1567.519	1566.341	1566.341
15	1520.411	1518.055	1515.700	1513.345	1510.989	1509.811	1508.634	1508.634	1507.456
20	1446.216	1441.505	1436.794	1433.261	1429.728	1426.195	1423.839	1422.662	1422.662
25	1349.644	1341.400	1334.334	1327.268	1320.202	1315.491	1311.958	1309.602	1308.425
30	1231.874	1220.097	1208.320	1198.899	1189.477	1181.233	1176.522	1172.989	1170.634
35	1097.616	1082.306	1066.996	1054.042	1042.265	1032.843	1025.777	1021.066	1019.888
40	953.937	935.094	918.606	902.118	890.341	878.564	871.498	866.787	864.432
45	809.080	789.059	771.394	754.906	740.773	730.174	721.930	717.219	716.042
50	671.289	651.268	633.603	618.293	605.338	594.739	587.672	582.962	581.784
55	544.097	526.432	509.944	496.989	485.212	475.791	469.902	465.192	464.014
60	431.038	415.728	402.773	390.996	381.575	373.331	368.620	365.087	363.909

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CANDELA TABULATION - (Cont.)

65	330.934	319.157	308.557	299.136	292.070	286.181	281.470	279.115	277.937
70	246.139	236.718	228.474	221.408	215.519	210.808	207.275	204.920	204.920
75	171.944	166.056	160.167	154.279	150.746	147.213	143.679	142.502	141.324
80	111.882	107.171	103.638	98.927	96.571	93.038	90.683	89.505	89.505
85	61.240	58.885	55.352	52.997	50.641	48.286	45.930	44.753	43.575
90	21.199	18.843	16.488	14.132	11.777	9.422	8.244	5.889	4.711
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	580.31	N.A.	15.80
0-30	1202.94	N.A.	32.80
0-40	1895.72	N.A.	51.80
0-60	3042.94	N.A.	83.10
0-80	3583.68	N.A.	97.80
0-90	3656.62	N.A.	99.80
10-90	3504.8	N.A.	95.70
20-40	1315.41	N.A.	35.90
20-50	1955.2	N.A.	53.40
40-70	1493.87	N.A.	40.80
60-80	540.74	N.A.	14.80
70-80	194.08	N.A.	5.30
80-90	72.94	N.A.	2.00
90-110	6.00	N.A.	0.20
90-120	6.00	N.A.	0.20
90-130	6.00	N.A.	0.20
90-150	6.00	N.A.	0.20
90-180	6.00	N.A.	0.20
110-180	0.00	N.A.	0.00
0-180	3662.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	151.82
10-20	428.50
20-30	622.63
30-40	692.78
40-50	639.79
50-60	507.43
60-70	346.65
70-80	194.08
80-90	72.94
90-100	6.00
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

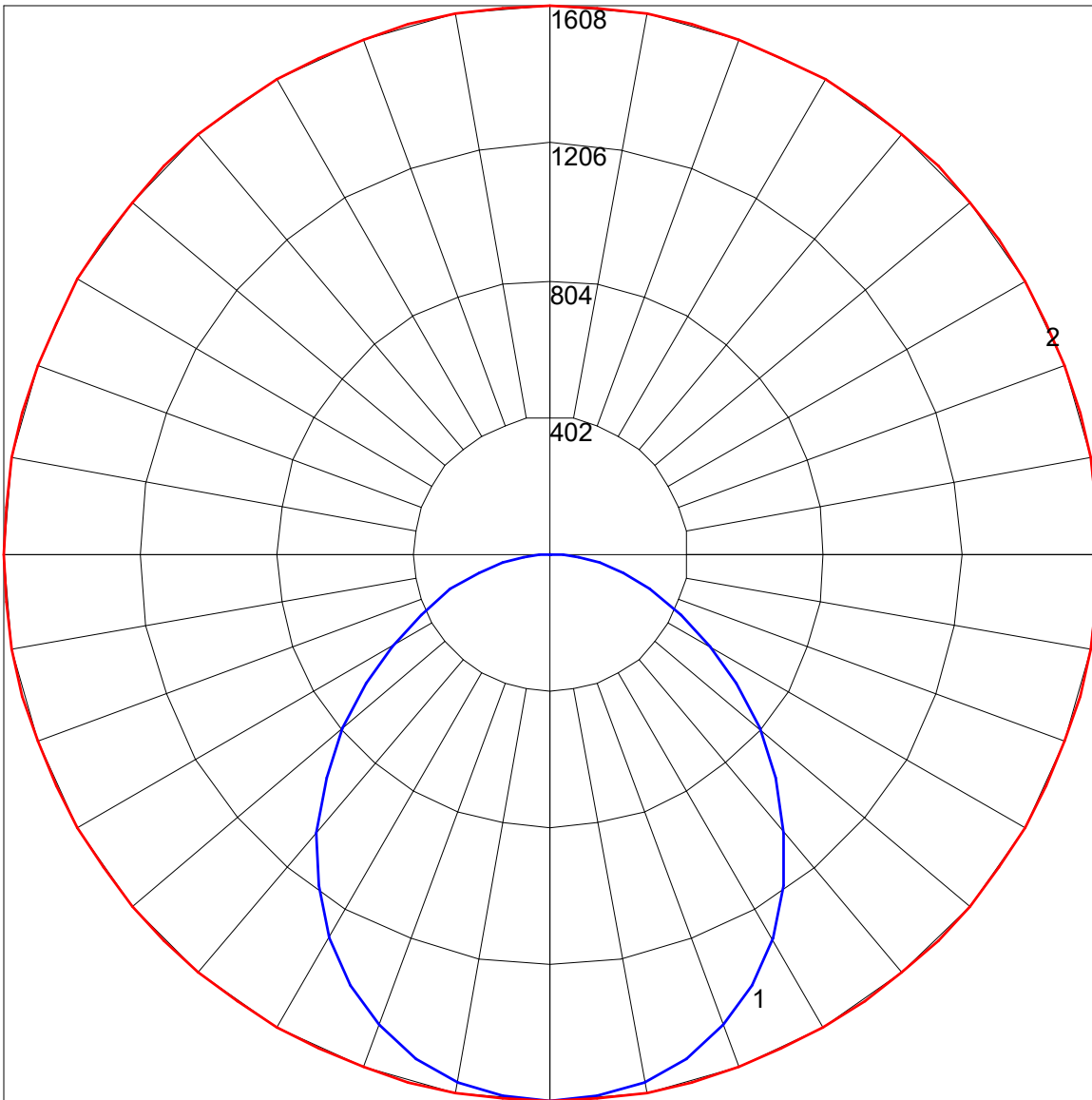
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85	
2	100	92	86	81	98	91	85	80	87	82	78	84	80	76	81	77	74	72	
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62	
4	85	73	65	59	82	72	64	58	70	63	57	67	61	57	65	60	56	54	
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47	
6	73	60	51	45	71	59	51	45	57	50	45	55	49	44	54	48	44	42	
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	49	44	39	37	
8	63	50	42	36	61	49	42	36	48	41	36	47	40	36	46	40	35	34	
9	59	46	38	33	58	46	38	33	44	37	33	43	37	32	42	37	32	30	
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28	

POLAR GRAPH



Maximum Candela = 1607.561 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.)