

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric, up | Soft Diffuse, down | 80 CRI | SO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-SO-35-U1D2-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	121	125	128	130
Total Lumens, 4' rail length (1219mm)	6325	6525	6658	6792
Lumens per foot (305mm)	1581	1631	1665	1698
Lumens per foot UP (305mm)	3488	3598	3672	3745
Lumens per foot DOWN (305mm)	2837	2927	2987	3046
Input Power (W), 4' rail length (1219mm)	52.4	52.4	52.4	52.4
Watts per foot (305mm)	13.1	13.1	13.1	13.1
CRI	85	85	85	85

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-Z3-CC-SO-35-U1D2-AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L081800701 (SOURCE REPORT FOR REFERENCE)
 [TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
 [ISSUEDATE] 8/15/2018
 [MANUFAC] Vode Lighting
 [LUMCAT] 707-Z3-CC-Z-SO-35-U1D2-AL
 [LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,
 [MORE] symmetric lens up/soft diffuse lens down, standard output, clear anodized finish
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6659
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	51.33
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)	0.25 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.02 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9785	9935	10427
55	9154	9354	10041
65	8188	8445	9374
75	6570	6889	8091
85	3589	3903	5686

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	1039.36	1039.36	1039.36	1039.36	1039.36	1039.36	1039.36	1039.36	1039.36	1039.36
5	1034.72	1035.88	1034.72	1034.72	1035.88	1035.88	1034.72	1034.72	1034.72	1034.72
10	1021.96	1021.96	1021.96	1021.96	1021.96	1021.96	1021.96	1021.96	1021.96	1021.96
15	998.76	998.76	998.76	998.76	998.76	998.76	998.76	998.76	998.76	998.76
20	967.44	967.44	967.44	967.44	967.44	966.28	966.28	966.28	966.28	966.28
25	926.84	926.84	926.84	926.84	926.84	926.84	926.84	925.68	925.68	925.68
30	879.28	879.28	879.28	879.28	879.28	878.12	878.12	878.12	878.12	876.96
35	823.60	823.60	823.60	823.60	823.60	823.60	822.44	822.44	822.44	821.28
40	762.12	762.12	762.12	762.12	762.12	762.12	760.96	760.96	760.96	759.80
45	694.84	694.84	694.84	694.84	693.68	693.68	693.68	693.68	692.52	692.52
50	621.76	621.76	621.76	621.76	620.60	620.60	620.60	619.44	619.44	619.44
55	544.04	544.04	544.04	544.04	542.88	542.88	542.88	542.88	541.72	541.72
60	461.68	461.68	461.68	461.68	461.68	461.68	460.52	460.52	460.52	459.36
65	377.00	378.16	377.00	377.00	377.00	377.00	375.84	375.84	375.84	374.68
70	291.16	291.16	291.16	291.16	290.00	290.00	290.00	288.84	288.84	288.84
75	205.32	205.32	205.32	205.32	205.32	204.16	204.16	204.16	203.00	203.00
80	125.28	125.28	125.28	124.12	124.12	124.12	122.96	122.96	121.80	121.80
85	55.68	55.68	55.68	55.68	54.52	54.52	54.52	54.52	53.36	53.36
90	4.64	4.64	4.64	3.48	3.48	3.48	3.48	3.48	3.48	3.48
95	35.96	35.96	35.96	37.12	37.12	37.12	37.12	37.12	37.12	37.12
100	89.32	89.32	90.48	90.48	91.64	91.64	92.80	93.96	95.12	96.28
105	156.60	157.76	157.76	158.92	160.08	162.40	163.56	165.88	168.20	170.52
110	241.28	241.28	242.44	243.60	245.92	248.24	251.72	255.20	258.68	262.16
115	342.20	342.20	343.36	345.68	348.00	351.48	354.96	359.60	364.24	368.88
120	458.20	458.20	459.36	461.68	465.16	468.64	473.28	479.08	484.88	490.68
125	586.96	586.96	589.28	591.60	595.08	599.72	604.36	610.16	615.96	622.92
130	723.84	725.00	726.16	728.48	731.96	736.60	742.40	748.20	755.16	760.96
135	863.04	863.04	864.20	866.52	870.00	874.64	879.28	883.92	889.72	894.36
140	994.12	994.12	995.28	997.60	999.92	1003.40	1006.88	1010.36	1013.84	1017.32
145	1110.12	1110.12	1111.28	1112.44	1113.60	1115.92	1117.08	1119.40	1121.72	1122.88
150	1205.24	1206.40	1206.40	1207.56	1207.56	1208.72	1209.88	1211.04	1212.20	1213.36
155	1282.96	1282.96	1282.96	1282.96	1282.96	1284.12	1284.12	1285.28	1286.44	1287.60
160	1343.28	1343.28	1343.28	1343.28	1344.44	1344.44	1344.44	1345.60	1346.76	1346.76
165	1389.68	1389.68	1389.68	1389.68	1390.84	1390.84	1392.00	1392.00	1393.16	1394.32
170	1425.64	1425.64	1425.64	1426.80	1426.80	1426.80	1427.96	1427.96	1429.12	1430.28
175	1450.00	1450.00	1450.00	1450.00	1451.16	1451.16	1451.16	1451.16	1451.16	1452.32
180	1459.28	1459.28	1459.28	1459.28	1459.28	1459.28	1459.28	1459.28	1459.28	1459.28

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	1039.36	1039.36	1039.36	1039.36	1039.36	1039.36	1039.36	1039.36	1039.36
5	1035.88	1034.72	1034.72	1034.72	1034.72	1035.88	1034.72	1035.88	1034.72
10	1020.80	1020.80	1020.80	1020.80	1020.80	1020.80	1020.80	1021.96	1020.80
15	997.60	997.60	997.60	997.60	997.60	997.60	997.60	997.60	997.60
20	966.28	966.28	966.28	965.12	965.12	965.12	965.12	965.12	965.12
25	925.68	925.68	924.52	924.52	924.52	924.52	924.52	924.52	924.52
30	876.96	876.96	876.96	875.80	875.80	875.80	875.80	875.80	875.80
35	821.28	821.28	820.12	820.12	820.12	820.12	820.12	820.12	818.96
40	759.80	758.64	758.64	758.64	758.64	757.48	757.48	757.48	757.48
45	691.36	691.36	691.36	690.20	690.20	690.20	690.20	689.04	689.04
50	618.28	618.28	618.28	617.12	617.12	617.12	615.96	617.12	615.96
55	540.56	540.56	540.56	539.40	539.40	539.40	539.40	539.40	539.40
60	459.36	459.36	458.20	458.20	458.20	457.04	457.04	457.04	457.04

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CANDELA TABULATION - (Cont.)

65	374.68	373.52	373.52	373.52	372.36	372.36	372.36	372.36	372.36
70	287.68	287.68	286.52	286.52	286.52	285.36	285.36	285.36	285.36
75	201.84	201.84	200.68	200.68	199.52	199.52	199.52	198.36	198.36
80	120.64	120.64	119.48	118.32	118.32	117.16	117.16	117.16	117.16
85	52.20	52.20	51.04	51.04	49.88	49.88	49.88	48.72	48.72
90	2.32	2.32	2.32	2.32	2.32	2.32	2.32	1.16	1.16
95	37.12	37.12	37.12	37.12	37.12	37.12	37.12	35.96	35.96
100	97.44	97.44	98.60	99.76	99.76	99.76	100.92	99.76	100.92
105	172.84	175.16	177.48	179.80	180.96	182.12	183.28	183.28	183.28
110	265.64	269.12	272.60	276.08	278.40	279.56	280.72	281.88	281.88
115	373.52	379.32	383.96	387.44	389.76	392.08	394.40	395.56	395.56
120	496.48	502.28	508.08	511.56	515.04	518.52	520.84	522.00	523.16
125	629.88	635.68	640.32	644.96	648.44	651.92	654.24	656.56	657.72
130	766.76	772.56	777.20	780.68	784.16	786.48	789.96	792.28	793.44
135	899.00	903.64	907.12	909.44	912.92	916.40	919.88	922.20	923.36
140	1019.64	1023.12	1025.44	1027.76	1030.08	1033.56	1037.04	1039.36	1041.68
145	1125.20	1127.52	1129.84	1131.00	1134.48	1136.80	1140.28	1142.60	1143.76
150	1214.52	1215.68	1218.00	1220.32	1222.64	1226.12	1228.44	1230.76	1230.76
155	1287.60	1289.92	1291.08	1293.40	1295.72	1299.20	1301.52	1302.68	1302.68
160	1347.92	1350.24	1351.40	1353.72	1356.04	1357.20	1359.52	1360.68	1360.68
165	1395.48	1396.64	1397.80	1400.12	1401.28	1402.44	1403.60	1404.76	1404.76
170	1430.28	1431.44	1432.60	1432.60	1433.76	1434.92	1434.92	1434.92	1434.92
175	1452.32	1452.32	1452.32	1452.32	1452.32	1453.48	1453.48	1453.48	1453.48
180	1459.28	1459.28	1459.28	1459.28	1459.28	1459.28	1459.28	1459.28	1459.28

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	380.07	N.A.	5.70
0-30	806.68	N.A.	12.10
0-40	1320.8	N.A.	19.80
0-60	2338.43	N.A.	35.10
0-80	2924.08	N.A.	43.90
0-90	2986.61	N.A.	44.90
10-90	2888.24	N.A.	43.40
20-40	940.73	N.A.	14.10
20-50	1474.59	N.A.	22.10
40-70	1388.41	N.A.	20.90
60-80	585.65	N.A.	8.80
70-80	214.87	N.A.	3.20
80-90	62.53	N.A.	0.90
90-110	231.15	N.A.	3.50
90-120	599.86	N.A.	9.00
90-130	1157.38	N.A.	17.40
90-150	2546.33	N.A.	38.20
90-180	3671.9	N.A.	55.10
110-180	3440.75	N.A.	51.70
0-180	6658.51	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	98.37
10-20	281.70
20-30	426.61
30-40	514.11
40-50	533.86
50-60	483.77
60-70	370.78
70-80	214.87
80-90	62.53
90-100	46.90
100-110	184.25
110-120	368.70
120-130	557.52
130-140	687.25
140-150	701.71
150-160	593.81
160-170	393.86
170-180	137.90

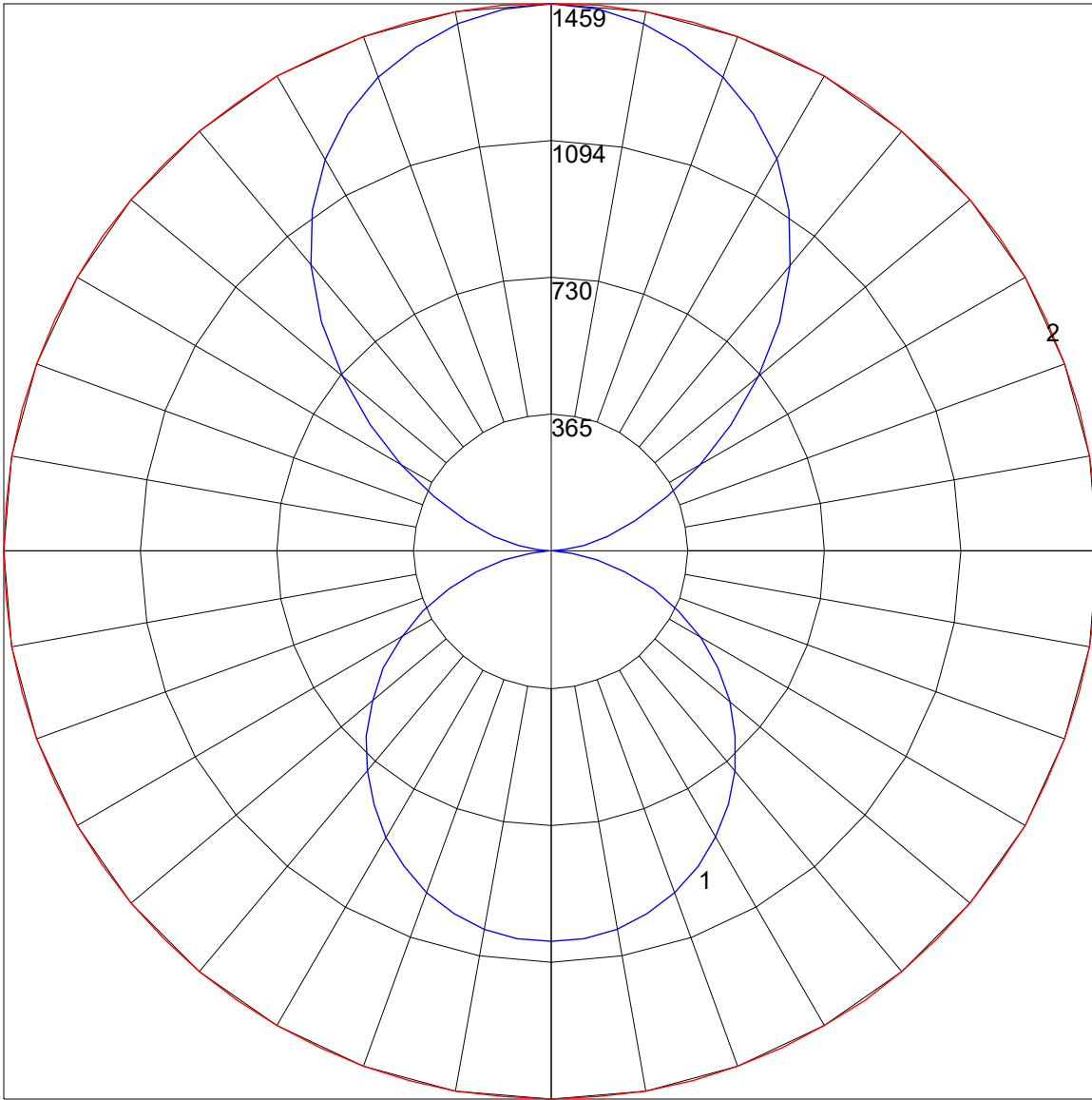
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	45
1	96	92	88	85	88	84	81	78	70	68	66	57	56	54	45	44	43	37
2	88	80	74	69	80	74	68	64	61	57	54	50	47	45	39	38	36	31
3	80	70	63	57	73	65	58	53	54	49	45	44	41	38	35	32	30	26
4	73	62	54	48	66	57	50	45	48	43	38	39	35	32	31	28	26	22
5	67	55	47	41	61	51	44	38	43	37	33	35	31	28	28	25	23	19
6	61	49	41	35	56	46	38	33	38	33	29	32	27	24	25	22	20	17
7	57	44	37	31	52	41	34	29	35	29	25	29	24	21	23	20	17	15
8	53	40	33	27	48	37	30	26	32	26	22	26	22	19	21	18	16	13
9	49	37	29	24	45	34	27	23	29	24	20	24	20	17	19	16	14	12
10	46	34	26	22	42	31	25	20	27	21	18	22	18	15	18	15	13	11

POLAR GRAPH



Maximum Candela = 1459.28 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)