

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-SO-35-U2D2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	116	119	122	124
Total Lumens, 4' rail length (1219mm)	6038	6229	6356	6483
Lumens per foot (305mm)	1509	1557	1589	1621
Lumens per foot UP (305mm)	3405	3513	3585	3656
Lumens per foot DOWN (305mm)	2633	2716	2771	2827
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-U2D2-BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L081800704 (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-U2D2-BL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,
[MORE] symmetric lens with edgeglow up/soft diffuse lens down, standard output, black anodized finish
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6356
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	51.35
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	9000	9136	9584
55	8412	8593	9199
65	7634	7818	8586
75	6384	6614	7523
85	3888	4157	5822

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	966.28	966.28	966.28	966.28	966.28	966.28	966.28	966.28	966.28	966.28
5	962.80	961.64	962.80	961.64	962.80	962.80	962.80	961.64	962.80	961.64
10	948.88	948.88	948.88	948.88	948.88	948.88	948.88	948.88	948.88	948.88
15	926.84	926.84	926.84	926.84	926.84	926.84	926.84	926.84	926.84	926.84
20	896.68	896.68	896.68	896.68	896.68	896.68	896.68	896.68	895.52	895.52
25	858.40	858.40	858.40	858.40	858.40	858.40	858.40	857.24	857.24	857.24
30	813.16	813.16	813.16	813.16	812.00	812.00	812.00	812.00	810.84	810.84
35	760.96	760.96	760.96	760.96	760.96	759.80	759.80	759.80	758.64	758.64
40	702.96	702.96	702.96	702.96	701.80	701.80	701.80	700.64	700.64	700.64
45	639.16	639.16	639.16	639.16	639.16	638.00	638.00	638.00	636.84	636.84
50	571.88	571.88	571.88	571.88	570.72	570.72	570.72	569.56	569.56	568.40
55	499.96	501.12	499.96	499.96	499.96	499.96	498.80	498.80	497.64	497.64
60	426.88	426.88	425.72	425.72	425.72	425.72	424.56	423.40	423.40	422.24
65	351.48	351.48	350.32	350.32	350.32	349.16	349.16	348.00	348.00	346.84
70	274.92	274.92	274.92	273.76	273.76	273.76	272.60	271.44	270.28	270.28
75	199.52	199.52	199.52	199.52	198.36	198.36	197.20	196.04	196.04	194.88
80	127.60	127.60	127.60	126.44	126.44	126.44	125.28	124.12	122.96	121.80
85	60.32	60.32	60.32	60.32	60.32	59.16	59.16	59.16	58.00	56.84
90	15.08	13.92	13.92	13.92	12.76	12.76	11.60	10.44	9.28	8.12
95	45.24	45.24	45.24	45.24	44.08	44.08	42.92	42.92	41.76	40.60
100	92.80	92.80	92.80	92.80	92.80	93.96	93.96	93.96	95.12	95.12
105	153.12	154.28	154.28	155.44	156.60	157.76	158.92	161.24	163.56	164.72
110	232.00	232.00	233.16	234.32	236.64	238.96	242.44	245.92	249.40	252.88
115	328.28	329.44	330.60	332.92	335.24	338.72	343.36	348.00	352.64	358.44
120	443.12	443.12	445.44	447.76	451.24	455.88	460.52	466.32	473.28	479.08
125	573.04	573.04	575.36	578.84	582.32	586.96	592.76	598.56	605.52	612.48
130	712.24	712.24	714.56	716.88	721.52	726.16	731.96	737.76	743.56	749.36
135	851.44	851.44	853.76	856.08	859.56	863.04	867.68	872.32	876.96	881.60
140	980.20	981.36	982.52	983.68	986.00	988.32	990.64	992.96	996.44	998.76
145	1089.24	1090.40	1090.40	1091.56	1092.72	1093.88	1095.04	1096.20	1097.36	1098.52
150	1178.56	1178.56	1178.56	1179.72	1179.72	1179.72	1180.88	1180.88	1182.04	1183.20
155	1248.16	1248.16	1248.16	1249.32	1249.32	1249.32	1249.32	1250.48	1251.64	1252.80
160	1305.00	1305.00	1305.00	1305.00	1305.00	1306.16	1306.16	1307.32	1307.32	1307.32
165	1347.92	1349.08	1349.08	1349.08	1349.08	1349.08	1349.08	1349.08	1349.08	1349.08
170	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08
175	1394.32	1394.32	1394.32	1394.32	1394.32	1394.32	1394.32	1394.32	1394.32	1394.32
180	1400.12	1400.12	1400.12	1400.12	1400.12	1400.12	1400.12	1400.12	1400.12	1400.12

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	966.28	966.28	966.28	966.28	966.28	966.28	966.28	966.28	966.28
5	961.64	961.64	961.64	961.64	961.64	961.64	961.64	961.64	961.64
10	948.88	948.88	948.88	948.88	948.88	948.88	948.88	948.88	947.72
15	926.84	926.84	926.84	926.84	925.68	925.68	925.68	925.68	925.68
20	895.52	895.52	895.52	895.52	894.36	894.36	894.36	894.36	894.36
25	857.24	856.08	856.08	856.08	856.08	856.08	856.08	856.08	854.92
30	810.84	809.68	809.68	809.68	809.68	808.52	808.52	808.52	808.52
35	758.64	757.48	757.48	757.48	757.48	756.32	756.32	756.32	756.32
40	699.48	699.48	698.32	698.32	698.32	697.16	697.16	697.16	697.16
45	635.68	635.68	635.68	634.52	634.52	633.36	633.36	633.36	633.36
50	568.40	567.24	567.24	567.24	566.08	566.08	566.08	566.08	566.08
55	496.48	495.32	495.32	495.32	494.16	494.16	494.16	494.16	494.16
60	422.24	421.08	419.92	419.92	419.92	418.76	418.76	418.76	418.76

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CANDELA TABULATION - (Cont.)

65	345.68	344.52	343.36	343.36	342.20	342.20	341.04	341.04	341.04
70	269.12	267.96	266.80	265.64	264.48	263.32	262.16	262.16	262.16
75	193.72	191.40	190.24	189.08	187.92	186.76	185.60	184.44	184.44
80	120.64	119.48	118.32	117.16	114.84	113.68	112.52	111.36	111.36
85	56.84	55.68	54.52	53.36	52.20	51.04	51.04	49.88	49.88
90	6.96	5.80	4.64	4.64	3.48	2.32	2.32	1.16	1.16
95	40.60	39.44	38.28	38.28	37.12	35.96	35.96	34.80	34.80
100	95.12	96.28	96.28	96.28	96.28	96.28	96.28	95.12	95.12
105	167.04	169.36	171.68	172.84	174.00	174.00	174.00	174.00	174.00
110	256.36	259.84	263.32	266.80	267.96	269.12	270.28	270.28	270.28
115	363.08	367.72	372.36	377.00	379.32	381.64	382.80	382.80	382.80
120	486.04	491.84	496.48	501.12	504.60	506.92	508.08	509.24	509.24
125	619.44	625.24	629.88	634.52	638.00	640.32	641.48	642.64	643.80
130	755.16	759.80	764.44	767.92	771.40	773.72	774.88	776.04	776.04
135	885.08	888.56	890.88	894.36	896.68	897.84	899.00	900.16	901.32
140	1001.08	1002.24	1004.56	1006.88	1009.20	1010.36	1011.52	1011.52	1012.68
145	1100.84	1102.00	1104.32	1105.48	1106.64	1107.80	1107.80	1108.96	1108.96
150	1184.36	1185.52	1186.68	1187.84	1187.84	1189.00	1189.00	1189.00	1190.16
155	1253.96	1253.96	1255.12	1255.12	1255.12	1255.12	1256.28	1256.28	1256.28
160	1308.48	1308.48	1308.48	1308.48	1308.48	1308.48	1309.64	1309.64	1309.64
165	1349.08	1350.24	1349.08	1350.24	1350.24	1350.24	1350.24	1350.24	1350.24
170	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08
175	1394.32	1394.32	1394.32	1394.32	1394.32	1394.32	1394.32	1394.32	1394.32
180	1400.12	1400.12	1400.12	1400.12	1400.12	1400.12	1400.12	1400.12	1400.12

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	352.84	N.A.	5.60
0-30	747.76	N.A.	11.80
0-40	1222.28	N.A.	19.20
0-60	2157.7	N.A.	33.90
0-80	2705.45	N.A.	42.60
0-90	2771.23	N.A.	43.60
10-90	2679.82	N.A.	42.20
20-40	869.44	N.A.	13.70
20-50	1360.47	N.A.	21.40
40-70	1278.17	N.A.	20.10
60-80	547.75	N.A.	8.60
70-80	205.00	N.A.	3.20
80-90	65.78	N.A.	1.00
90-110	228.65	N.A.	3.60
90-120	586.05	N.A.	9.20
90-130	1132.68	N.A.	17.80
90-150	2494.45	N.A.	39.20
90-180	3584.53	N.A.	56.40
110-180	3355.88	N.A.	52.80
0-180	6355.76	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	91.41
10-20	261.43
20-30	394.93
30-40	474.52
40-50	491.03
50-60	444.39
60-70	342.75
70-80	205.00
80-90	65.78
90-100	50.17
100-110	178.48
110-120	357.40
120-130	546.62
130-140	675.72
140-150	686.05
150-160	576.74
160-170	380.75
170-180	132.58

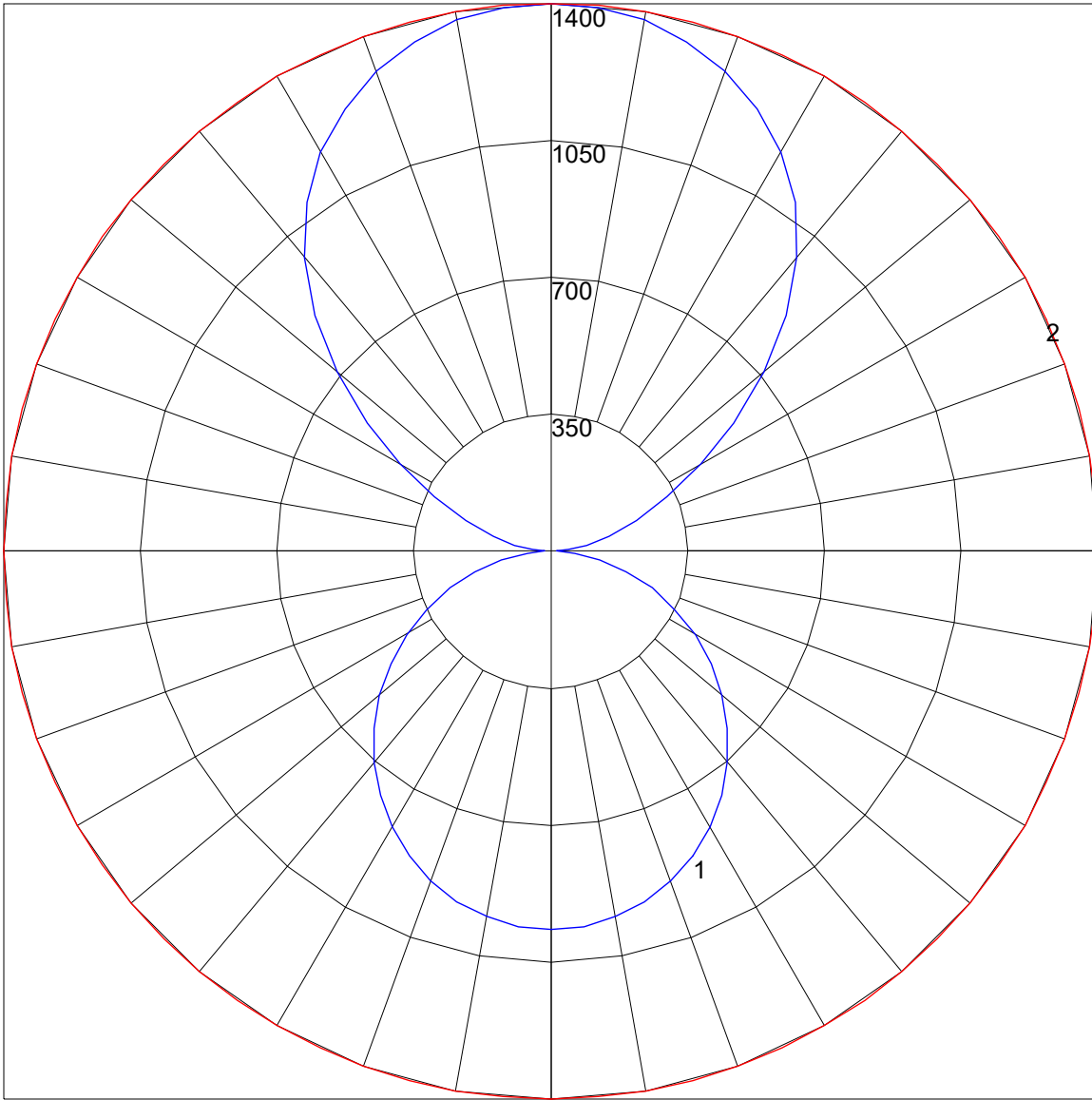
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	64	64	64	50	50	50	44	0
1	96	92	88	84	88	84	81	78	70	67	65	56	55	53	44	43	42	36	0
2	87	80	74	68	80	73	68	63	61	57	53	49	46	44	38	37	35	30	0
3	80	70	63	57	72	64	58	53	53	49	45	43	40	37	34	32	30	25	0
4	73	62	54	48	66	57	50	44	47	42	38	38	35	32	30	28	25	22	0
5	67	55	47	41	61	51	43	38	42	37	33	34	30	27	27	24	22	19	0
6	61	49	41	35	56	45	38	33	38	32	28	31	27	24	25	22	19	16	0
7	57	44	36	31	52	41	34	29	34	29	25	28	24	21	22	19	17	14	0
8	52	40	32	27	48	37	30	25	31	26	22	26	22	19	21	17	15	13	0
9	49	37	29	24	45	34	27	23	29	23	20	24	20	17	19	16	14	11	0
10	46	33	26	22	42	31	25	20	26	21	18	22	18	15	18	15	12	10	0

POLAR GRAPH



Maximum Candela = 1400.12 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.)