

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric, up | 80° Symmetric, down | 80 CRI | LO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U1S7-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	98	101	103	105
Total Lumens, 4' rail length (1219mm)	2999	3094	3157	3220
Lumens per foot (305mm)	750	773	789	805
Lumens per foot UP (305mm)	433	446	455	465
Lumens per foot DOWN (305mm)	317	327	334	340
Input Power (W), 4' rail length (1219mm)	30.8	30.8	30.8	30.8
Watts per foot (305mm)	7.8	7.8	7.8	7.8
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_LO_35_U1S7_AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L031805805R01 (SOURCE REPORT FOR REFERENCE)
 [TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
 [ISSUEDATE] 4/12/2018
 [MANUFAC] Vode Lighting
 [LUMCAT] 707-Z3-CC-Z-LO-35-U1S7-AL
 [LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,
 [MORE] symmetric lens up/80° symmetric lens down, low 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	3157
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	30.81
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)	3.98 ft
Luminous Height	0.02 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3694	4737	4516
55	1864	2929	3158
65	1063	1708	2275
75	671	1009	1593
85	301	384	816

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	715.72	715.72	715.72	715.72	715.72	715.72	715.72	715.72	715.72	715.72
1.0	715.14	715.14	715.72	715.72	715.72	715.72	715.72	715.72	715.72	715.72
3.0	714.56	714.56	714.56	714.56	714.56	714.56	714.56	714.56	714.56	714.56
5.0	712.24	712.24	712.24	712.24	712.24	712.24	712.24	712.24	712.24	712.24
7.0	708.76	708.76	708.76	708.76	708.76	708.76	708.76	709.34	709.34	709.34
9.0	704.12	704.12	704.12	704.12	704.12	704.12	704.12	704.70	704.70	704.70
11.0	698.32	698.32	698.32	698.32	698.90	698.90	698.90	698.90	698.90	698.90
13.0	691.36	691.36	691.36	691.36	691.36	691.94	691.94	691.94	691.94	692.52
15.0	682.66	682.66	682.66	683.24	683.24	683.24	683.82	683.82	683.82	683.82
17.0	672.22	672.22	672.80	672.80	673.38	673.38	673.96	673.96	673.96	673.96
19.5	657.14	657.14	657.14	657.72	658.30	658.88	659.46	659.46	659.46	659.46
22.5	634.52	634.52	635.10	635.68	636.84	637.42	638.00	638.58	638.58	638.00
25.5	606.10	606.10	607.26	608.42	609.58	611.32	612.48	613.06	612.48	611.90
29.0	564.34	564.92	566.08	568.40	571.30	573.62	575.36	576.52	576.52	575.36
33.0	502.86	504.02	506.34	510.40	514.46	519.10	522.58	525.48	526.06	525.48
37.5	417.02	418.18	422.24	428.04	435.58	443.12	450.08	455.30	458.20	458.20
42.5	310.30	312.04	316.68	324.22	334.66	345.10	355.54	364.24	370.04	372.94
47.5	211.70	213.44	218.08	225.62	235.48	247.08	258.68	270.28	278.98	284.20
55.0	110.20	111.36	114.26	119.48	126.44	134.56	143.84	153.12	161.82	168.78
65.0	48.72	49.30	50.46	52.20	54.52	58.00	62.06	66.70	71.34	75.40
75.0	20.88	20.88	20.88	21.46	22.62	23.78	24.94	26.10	27.84	29.58
85.0	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	5.22	5.22
90.0	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
95.0	16.24	16.24	16.24	16.82	16.82	16.82	16.82	17.40	17.40	17.40
100.0	43.50	43.50	43.50	43.50	44.08	44.66	44.66	45.24	45.82	46.40
105.0	76.56	76.56	77.14	77.72	78.30	79.46	80.04	81.20	82.36	83.52
110.0	118.32	118.90	118.90	120.06	120.64	122.38	123.54	125.28	127.02	128.76
115.0	168.20	168.20	169.36	169.94	171.68	172.84	175.16	177.48	179.80	182.12
120.0	225.62	225.62	226.78	227.94	229.10	231.42	233.74	236.06	238.96	241.86
125.0	289.42	290.00	290.58	291.74	293.48	295.80	298.12	301.02	304.50	307.98
130.0	357.86	357.86	359.02	360.18	361.92	364.24	366.56	370.04	372.94	376.42
135.0	426.30	426.88	427.46	428.62	430.36	432.68	435.00	437.90	440.22	443.12
140.0	492.42	492.42	493.00	494.16	495.32	497.06	498.80	501.12	502.86	504.60
145.0	551.00	551.00	551.58	552.16	552.74	553.90	555.06	556.22	557.38	558.54
150.0	599.72	599.72	600.30	600.30	600.88	601.46	602.04	602.62	603.20	604.36
155.0	639.16	639.16	639.16	639.16	639.74	639.74	640.32	640.90	641.48	642.06
160.0	669.90	669.90	669.90	670.48	670.48	670.48	671.06	671.64	671.64	672.22
165.0	693.68	693.68	694.26	694.26	694.26	694.84	694.84	695.42	696.00	696.00
170.0	712.24	712.24	712.24	712.24	712.82	712.82	712.82	713.40	713.40	713.98
175.0	724.42	724.42	724.42	724.42	724.42	725.00	725.00	725.00	725.00	725.00
180.0	729.06	729.06	729.06	729.06	729.06	729.06	729.06	729.06	729.06	729.06

Vert. Horizontal Angles
 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	715.72	715.72	715.72	715.72	715.72	715.72	715.72	715.72	715.72
1.0	715.72	715.72	715.72	715.72	715.72	715.72	715.72	715.72	715.72
3.0	714.56	714.56	714.56	714.56	714.56	714.56	714.56	714.56	714.56
5.0	712.24	712.24	712.24	712.24	712.82	712.82	712.82	712.82	712.82
7.0	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34
9.0	704.70	704.70	704.70	704.70	704.70	704.70	704.70	704.70	704.70
11.0	698.90	698.90	698.90	698.90	698.90	698.90	698.90	698.90	698.90
13.0	691.94	691.94	691.94	691.94	691.94	691.36	691.36	691.36	691.36
15.0	683.82	683.82	683.24	683.24	682.66	682.66	682.66	682.08	682.08

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_35_U1S7_AL.IES****CANDELA TABULATION - (Cont.)**

17.0	673.96	673.38	672.80	672.80	672.22	671.64	671.64	671.06	671.06
19.5	658.88	658.30	657.72	656.56	655.98	655.40	654.24	654.24	653.66
22.5	637.42	635.68	634.52	632.78	631.62	630.46	629.30	628.72	628.14
25.5	610.74	609.00	606.68	604.36	602.04	599.72	598.56	597.40	596.82
29.0	573.62	570.72	567.24	563.76	560.28	557.38	555.06	553.90	553.32
33.0	522.58	518.52	513.88	508.66	504.02	499.96	496.48	494.74	494.16
37.5	455.30	450.66	444.28	438.48	432.10	426.88	422.82	420.50	419.92
42.5	371.20	367.14	361.34	354.96	348.58	343.36	339.30	336.40	335.24
47.5	285.36	283.62	279.56	274.34	269.70	265.06	261.58	259.84	258.68
55.0	173.42	175.74	176.32	175.16	173.42	171.68	169.94	169.36	168.78
65.0	80.04	83.52	85.84	88.16	89.32	89.90	89.90	89.90	89.90
75.0	31.90	33.64	35.38	36.54	37.70	38.28	38.86	38.86	38.86
85.0	5.80	5.80	6.38	6.38	6.96	6.96	6.96	6.96	6.96
90.0	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
95.0	17.40	17.40	17.98	17.98	17.40	17.40	17.40	17.40	17.40
100.0	46.98	47.56	48.14	48.72	48.72	49.30	49.30	49.30	49.30
105.0	84.68	85.84	87.00	88.16	89.32	89.90	89.90	90.48	90.48
110.0	131.08	132.82	134.56	136.30	137.46	138.62	139.20	139.78	139.78
115.0	184.44	187.34	189.08	191.40	193.14	194.30	195.46	196.04	196.04
120.0	245.34	248.24	250.56	252.88	255.20	256.36	258.10	258.68	259.26
125.0	310.88	314.36	317.26	319.58	321.32	323.06	324.80	325.96	326.54
130.0	379.32	382.22	384.54	386.86	389.18	390.92	392.66	393.82	394.40
135.0	446.02	447.76	450.08	451.82	453.56	455.30	457.62	458.78	459.36
140.0	506.34	508.08	509.82	511.56	512.72	514.46	516.78	517.94	518.52
145.0	559.70	560.86	562.60	563.76	565.50	567.24	568.40	569.56	570.14
150.0	604.94	606.10	607.26	608.42	609.58	611.32	612.48	613.64	614.22
155.0	642.64	643.80	644.38	645.54	646.70	647.86	649.02	650.18	650.18
160.0	673.38	673.96	675.12	675.70	676.86	677.44	678.60	679.18	679.18
165.0	696.58	697.74	698.32	698.90	699.48	700.06	700.64	701.22	701.22
170.0	714.56	715.14	715.14	715.72	716.30	716.30	716.30	716.88	716.88
175.0	725.58	725.58	725.58	725.58	725.58	726.16	726.16	726.16	726.16
180.0	729.06	729.06	729.06	729.06	729.06	729.06	729.06	729.06	729.06

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	247.93	N.A.	7.90
0-30	510.28	N.A.	16.20
0-40	767.30	N.A.	24.30
0-60	1154.52	N.A.	36.60
0-80	1314.34	N.A.	41.60
0-90	1335.21	N.A.	42.30
10-90	1280.27	N.A.	40.60
20-40	519.37	N.A.	16.50
20-50	774.77	N.A.	24.50
40-70	494.30	N.A.	15.70
60-80	159.82	N.A.	5.10
70-80	52.74	N.A.	1.70
80-90	20.87	N.A.	0.70
90-110	112.55	N.A.	3.60
90-120	294.56	N.A.	9.30
90-130	570.28	N.A.	18.10
90-150	1260.00	N.A.	39.90
90-180	1821.61	N.A.	57.70
110-180	1709.06	N.A.	54.10
0-180	3156.83	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	54.94
10-20	192.99
20-30	262.36
30-40	257.02
40-50	255.39
50-60	131.83
60-70	107.08
70-80	52.74
80-90	20.87
90-100	22.14
100-110	90.41
110-120	182.01
120-130	275.72
130-140	340.74
140-150	348.99
150-160	296.08
160-170	196.65
170-180	68.88

IES INDOOR REPORT

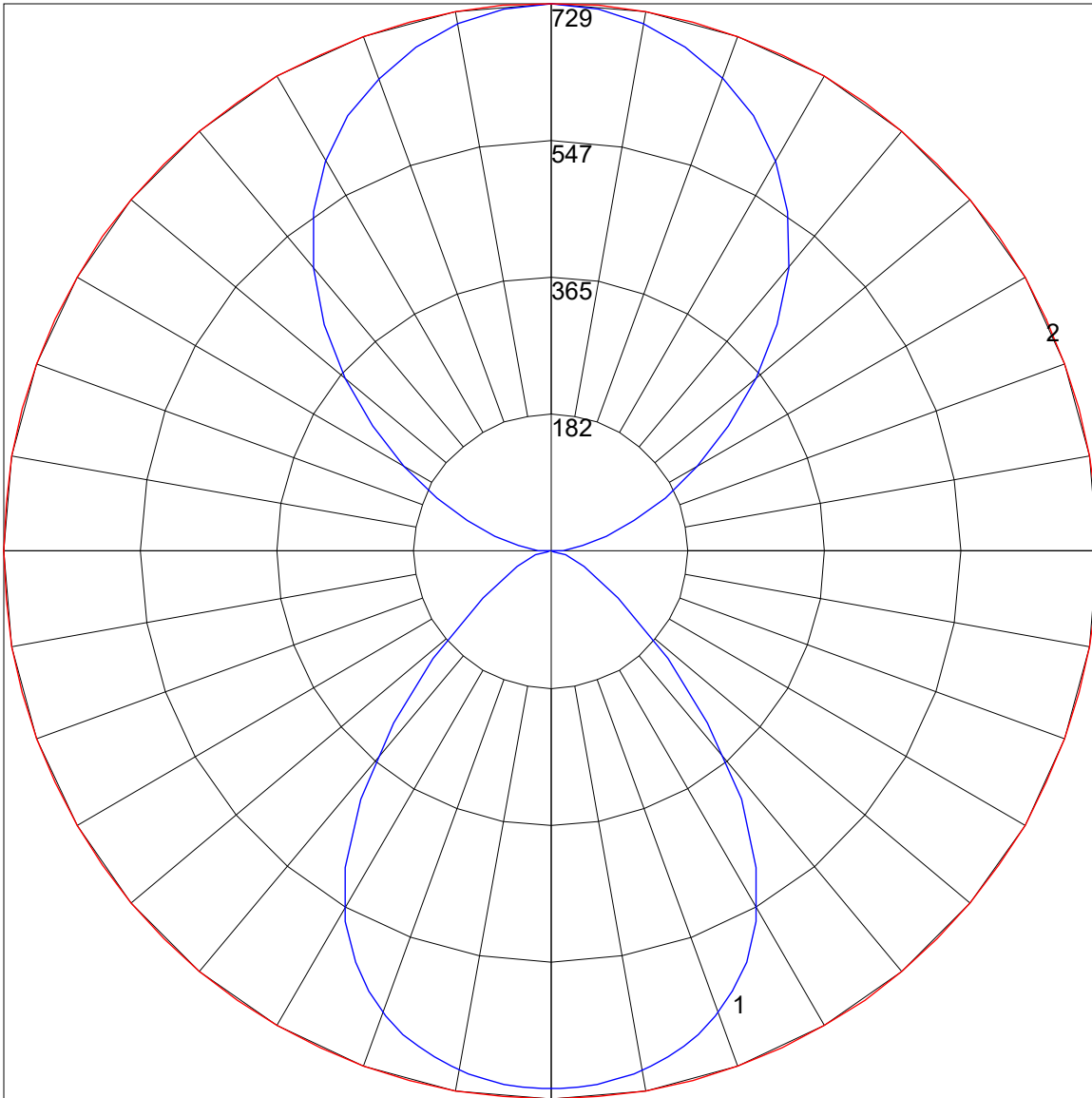
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	97	93	89	86	88	85	82	79	70	68	66	57	55	54	44	43	42	37
2	88	81	76	71	81	75	70	66	62	59	56	50	48	46	40	38	37	32
3	81	72	65	60	74	66	60	56	55	51	47	45	42	40	36	34	32	28
4	74	64	57	51	68	59	53	48	50	45	41	41	37	34	32	30	28	24
5	69	58	50	44	63	53	46	41	45	40	36	37	33	30	29	27	25	22
6	63	52	44	39	58	48	41	36	40	35	32	33	30	27	27	24	22	19
7	59	47	39	34	54	43	37	32	37	32	28	31	27	24	25	22	20	17
8	55	43	35	30	50	40	33	29	34	29	25	28	24	22	23	20	18	16
9	51	39	32	27	47	36	30	26	31	26	23	26	22	19	21	18	16	14
10	48	36	29	24	44	33	27	23	29	24	20	24	20	18	20	17	15	13

POLAR GRAPH



Maximum Candela = 729.06 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.)