

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U1D2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	97	100	102	104
Total Lumens, 4' rail length (1219mm)	2965	3059	3121	3184
Lumens per foot (305mm)	741	765	780	796
Lumens per foot UP (305mm)	1636	1688	1722	1757
Lumens per foot DOWN (305mm)	1329	1371	1399	1427
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-U1D2-BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L081800703 (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-LO-35-U1D2-BL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,
[MORE] symmetric lens up/soft diffuse lens down, low 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	3121
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	30.82
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	4549	4618	4845
55	4255	4336	4643
65	3855	3948	4337
75	3229	3327	3785
85	1981	2121	2911

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	487.78	487.78	487.78	487.78	487.78	487.78	487.78	487.78	487.78	487.78
5	485.46	486.04	485.46	486.04	485.46	485.46	486.04	486.04	485.46	485.46
10	479.08	479.08	479.08	479.08	479.08	479.08	479.08	479.08	479.08	479.08
15	468.06	468.06	468.06	468.06	468.06	468.06	468.06	468.06	468.06	467.48
20	452.98	452.98	452.98	452.98	452.98	452.40	452.40	452.40	452.40	452.40
25	433.26	433.26	433.26	433.26	433.26	433.26	433.26	433.26	432.68	432.68
30	410.64	410.64	410.64	410.64	410.64	410.06	410.06	410.06	409.48	409.48
35	384.54	384.54	384.54	384.54	383.96	383.96	383.96	383.96	383.38	383.38
40	354.96	354.96	354.96	354.96	354.96	354.96	354.38	354.38	353.80	353.80
45	323.06	323.06	323.06	323.06	323.06	322.48	322.48	321.90	321.90	321.90
50	288.84	288.84	288.84	288.84	288.84	288.26	288.26	288.26	287.68	287.68
55	252.88	252.88	252.88	252.88	252.88	252.30	252.30	251.72	251.72	251.14
60	215.76	215.76	215.76	215.18	215.18	215.18	214.60	214.60	214.02	213.44
65	177.48	177.48	177.48	177.48	176.90	176.90	176.32	176.32	175.74	175.16
70	139.20	139.20	139.20	138.62	138.62	138.04	138.04	137.46	136.88	136.30
75	100.92	100.92	100.92	100.92	100.34	99.76	99.76	99.18	98.60	98.02
80	64.38	64.38	64.38	64.38	63.80	63.80	63.22	62.64	62.06	61.48
85	30.74	30.74	30.74	30.16	30.16	30.16	29.58	29.58	29.00	29.00
90	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
95	14.50	14.50	14.50	14.50	14.50	15.08	15.08	15.08	15.66	15.66
100	37.70	37.70	37.70	38.28	38.28	38.86	39.44	40.60	41.18	41.76
105	67.28	67.28	67.86	68.44	69.02	70.18	71.34	72.50	74.24	75.98
110	104.98	104.98	105.56	106.72	107.88	109.62	111.36	113.10	115.42	117.74
115	151.38	151.38	151.96	153.12	154.86	157.18	159.50	161.82	164.72	167.62
120	205.32	205.90	206.48	208.22	209.96	212.28	215.18	218.08	221.56	225.04
125	267.38	267.38	268.54	269.70	272.02	274.34	277.82	280.72	284.78	288.84
130	333.50	334.08	334.66	336.40	338.72	341.04	343.94	347.42	351.48	354.96
135	401.36	401.94	402.52	404.26	406.00	408.32	411.22	414.12	417.02	420.50
140	466.90	466.90	467.48	468.64	470.38	472.12	473.86	476.18	478.50	480.82
145	524.32	524.32	524.90	525.48	526.64	527.80	529.54	530.70	532.44	533.60
150	573.04	573.04	573.04	573.62	574.20	574.78	575.94	576.52	577.68	578.26
155	611.32	611.32	611.90	611.90	612.48	613.06	613.06	613.64	614.22	614.80
160	642.06	642.06	642.06	642.06	642.64	642.64	643.22	643.22	643.80	644.38
165	665.26	665.26	665.26	665.26	665.26	665.84	665.84	666.42	667.00	667.00
170	682.08	682.08	682.66	682.66	682.66	682.66	682.66	683.24	683.24	683.82
175	693.10	693.10	693.10	693.10	693.10	693.10	693.10	693.10	693.68	693.68
180	696.58	696.58	696.58	696.58	696.58	696.58	696.58	696.58	696.58	696.58

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	487.78	487.78	487.78	487.78	487.78	487.78	487.78	487.78	487.78
5	485.46	485.46	485.46	485.46	486.04	485.46	485.46	485.46	485.46
10	479.08	479.08	479.08	479.08	479.08	479.08	479.08	479.08	479.08
15	467.48	467.48	467.48	467.48	467.48	467.48	467.48	467.48	467.48
20	452.40	452.40	451.82	451.82	451.82	451.82	451.82	451.82	451.82
25	432.68	432.68	432.10	432.10	432.10	432.10	432.10	432.10	432.10
30	409.48	408.90	408.90	408.90	408.90	408.90	408.32	408.32	408.32
35	382.80	382.80	382.80	382.22	382.22	382.22	382.22	382.22	382.22
40	353.80	353.22	353.22	352.64	352.64	352.64	352.64	352.64	352.06
45	321.32	321.32	320.74	320.74	320.16	320.16	320.16	320.16	320.16
50	287.10	287.10	286.52	286.52	285.94	285.94	285.94	285.94	285.94
55	251.14	250.56	250.56	249.98	249.98	249.40	249.40	249.40	249.40
60	213.44	212.86	212.28	212.28	211.70	211.70	211.70	211.70	211.12

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CANDELA TABULATION - (Cont.)

65	174.58	174.00	174.00	173.42	172.84	172.84	172.26	172.26	172.26
70	135.72	135.14	134.56	133.98	133.40	132.82	132.82	132.24	132.24
75	97.44	96.86	96.28	95.12	94.54	93.96	93.38	93.38	92.80
80	60.90	60.32	59.74	58.58	58.00	57.42	56.84	56.26	56.26
85	28.42	27.84	27.26	26.68	26.10	25.52	25.52	24.94	24.94
90	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
95	16.24	16.24	16.24	16.82	16.82	16.82	16.82	16.82	16.82
100	42.92	43.50	44.66	45.24	45.82	45.82	46.40	46.40	46.40
105	77.14	78.88	80.62	81.78	82.94	83.52	84.10	84.10	84.10
110	120.06	122.38	124.70	126.44	128.18	129.34	129.92	130.50	130.50
115	171.10	174.00	176.32	179.22	180.96	182.12	183.28	183.86	183.86
120	228.52	232.00	235.48	237.80	240.12	241.86	243.02	243.60	244.18
125	292.32	295.80	299.28	302.18	303.92	305.66	307.40	308.56	308.56
130	358.44	361.92	364.82	367.14	369.46	371.20	372.36	373.52	374.10
135	423.40	425.72	428.04	430.36	432.10	433.84	435.00	436.16	436.74
140	483.14	484.88	486.62	488.36	489.52	491.26	492.42	493.58	494.16
145	534.76	536.50	537.66	538.82	539.98	541.72	542.88	543.46	544.04
150	579.42	580.00	581.16	582.32	583.48	584.64	585.22	586.38	586.38
155	615.38	616.54	617.12	618.28	618.86	620.02	620.60	621.18	621.18
160	644.96	645.54	646.12	646.70	647.28	648.44	649.02	649.02	649.60
165	667.58	668.16	668.74	668.74	669.32	669.90	670.48	670.48	670.48
170	683.82	684.40	684.40	684.98	684.98	684.98	685.56	685.56	685.56
175	693.68	693.68	693.68	693.68	693.68	693.68	694.26	694.26	694.26
180	696.58	696.58	696.58	696.58	696.58	696.58	696.58	696.58	696.58

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	178.14	N.A.	5.70
0-30	377.55	N.A.	12.10
0-40	617.28	N.A.	19.80
0-60	1089.98	N.A.	34.90
0-80	1366.73	N.A.	43.80
0-90	1399.06	N.A.	44.80
10-90	1352.91	N.A.	43.30
20-40	439.14	N.A.	14.10
20-50	687.27	N.A.	22.00
40-70	645.95	N.A.	20.70
60-80	276.75	N.A.	8.90
70-80	103.50	N.A.	3.30
80-90	32.33	N.A.	1.00
90-110	102.50	N.A.	3.30
90-120	270.33	N.A.	8.70
90-130	528.62	N.A.	16.90
90-150	1184.52	N.A.	38.00
90-180	1722.09	N.A.	55.20
110-180	1619.58	N.A.	51.90
0-180	3121.15	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	46.15
10-20	131.99
20-30	199.41
30-40	239.72
40-50	248.13
50-60	224.57
60-70	173.25
70-80	103.50
80-90	32.33
90-100	20.32
100-110	82.19
110-120	167.83
120-130	258.29
130-140	322.91
140-150	332.99
150-160	283.36
160-170	188.32
170-180	65.89

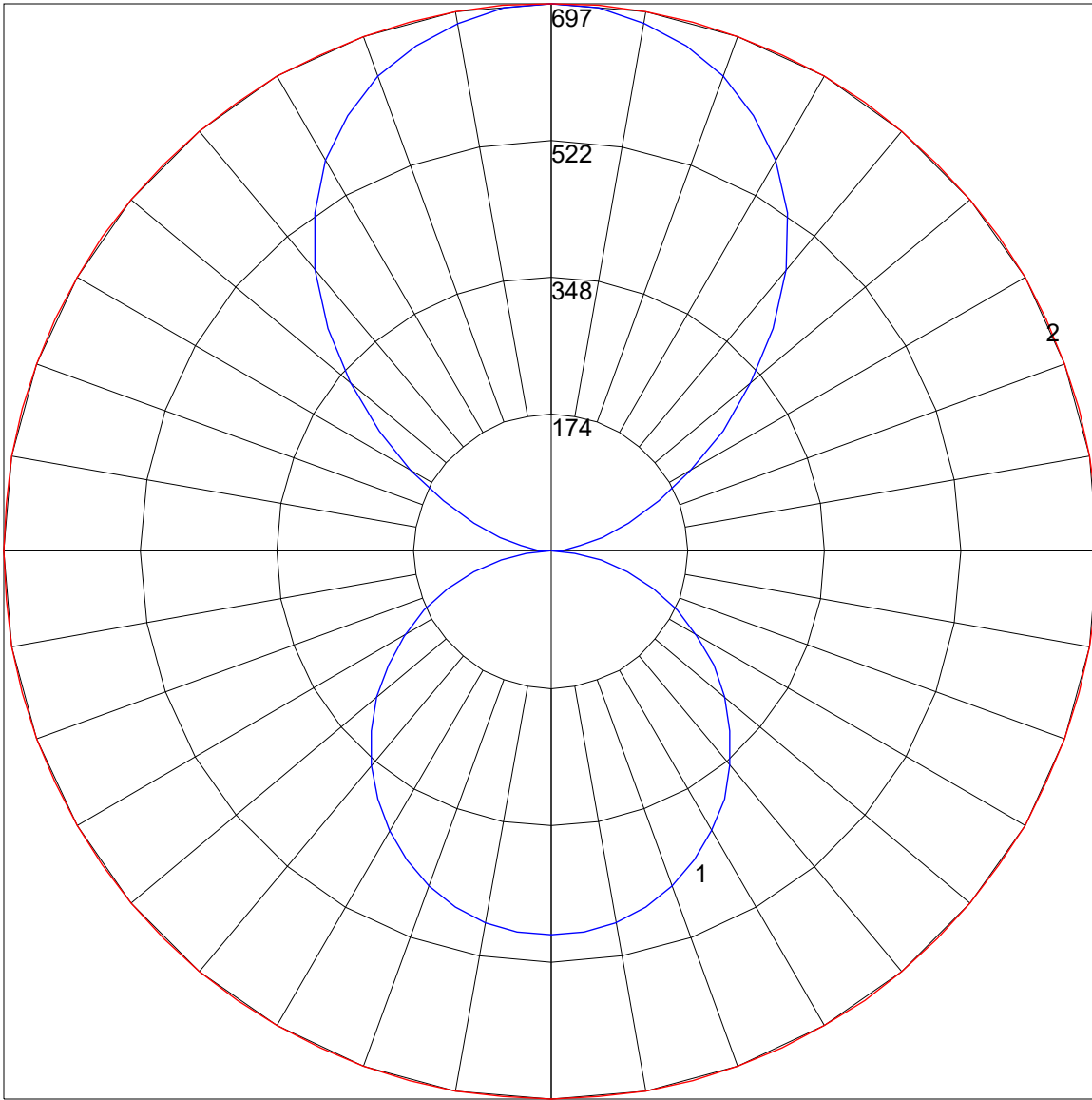
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	84	88	84	81	78	70	68	66	57	55	54	45	44	43	37
2	88	80	74	69	80	74	68	64	61	57	54	50	47	45	39	37	36	31
3	80	70	63	57	73	65	58	53	54	49	45	44	40	38	35	32	30	26
4	73	62	54	48	66	57	50	45	48	42	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	22	19
6	61	49	41	35	56	46	38	33	38	33	29	31	27	24	25	22	20	17
7	57	44	36	31	52	41	34	29	35	29	25	29	24	21	23	20	17	15
8	53	40	33	27	48	37	30	26	31	26	22	26	22	19	21	18	16	13
9	49	37	29	24	45	34	27	23	29	23	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 = 696.58 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.)