

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	110	113	116	116
Total Lumens, 4' rail length (1219mm)	3260	3363	3432	3432
Lumens per foot (305mm)	815	841	858	858
Lumens per foot UP (305mm)	465	479	489	489
Lumens per foot DOWN (305mm)	350	361	369	369
Input Power (W), 4' rail length (1219mm)	29.8	29.8	29.8	29.8
Watts per foot (305mm)	7.5	7.5	7.5	7.5
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_Z3_CC_LO_35_U1S7.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911550 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 12/23/2019

[MANUFAC] VODE LIGHTING

[LUMCAT] 707-Z3-48-Z-CC-LO-35-U1S7-AL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 CRI, zipper board, symmetric lens up/80° symmetric lens down,

[MORE] 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	3432
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	29.78
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)	0.26 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	4290	4818	4610
55	2604	3222	3328
65	1653	2131	2512
75	1104	1436	1920
85	552	707	1112

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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	767.34	767.34	767.34	767.34	767.34	767.34	767.34	767.34	767.34	767.34
1.0	767.34	767.34	767.34	767.34	767.34	767.34	767.34	767.34	767.34	767.34
3.0	766.76	766.18	766.18	766.76	766.76	766.76	766.76	766.76	766.76	766.76
5.0	764.44	764.44	764.44	764.44	764.44	764.44	764.44	764.44	764.44	764.44
7.0	760.96	760.96	760.96	760.96	760.96	760.96	760.96	760.96	760.96	760.96
9.0	755.74	756.32	756.32	755.74	756.32	755.74	756.32	756.32	755.74	755.74
11.0	749.36	749.36	749.36	749.36	749.36	749.36	749.36	749.94	749.36	749.36
13.0	741.24	741.24	741.24	741.82	741.82	741.82	741.82	741.82	741.82	741.24
15.0	731.96	731.96	731.96	731.96	731.96	732.54	732.54	731.96	731.96	731.96
17.0	720.36	720.36	720.36	720.94	720.94	720.94	720.94	720.94	720.94	720.36
19.5	702.96	702.96	703.54	703.54	704.12	704.12	704.70	704.12	704.12	703.54
22.5	677.44	677.44	678.02	678.02	679.18	679.76	679.76	679.76	679.18	678.60
25.5	646.12	646.12	647.28	647.86	649.02	649.60	650.18	650.18	649.60	648.44
29.0	601.46	602.04	603.20	604.94	606.68	607.84	609.00	609.58	608.42	607.26
33.0	539.98	541.14	542.88	545.20	548.10	550.42	552.74	553.32	552.74	551.00
37.5	459.36	459.94	462.26	466.32	470.38	474.44	477.92	480.24	480.24	478.50
42.5	360.76	361.92	365.40	370.04	375.84	381.64	386.86	390.34	391.50	390.34
47.5	267.96	268.54	272.02	277.24	283.62	290.58	295.80	300.44	303.34	303.34
55.0	159.50	160.66	163.56	167.62	172.26	178.06	183.28	187.92	190.82	192.56
65.0	78.30	78.88	80.04	81.78	84.68	87.58	90.48	93.38	95.70	97.44
75.0	35.38	35.96	36.54	37.12	38.28	39.44	40.60	41.76	42.92	43.50
85.0	8.70	8.70	8.70	8.70	8.70	9.28	9.28	9.28	9.86	9.86
90.0	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	1.74
95.0	19.14	19.14	19.14	19.14	19.14	19.72	19.72	19.72	20.30	20.30
100.0	46.98	46.98	47.56	47.56	48.14	49.30	49.88	50.46	51.62	52.20
105.0	84.68	84.68	84.68	85.26	86.42	87.58	88.16	89.32	90.48	91.64
110.0	127.60	127.60	128.18	129.34	129.92	131.66	132.82	134.56	135.72	136.30
115.0	179.22	179.22	179.80	180.38	181.54	182.70	183.86	185.02	187.34	192.56
120.0	234.90	234.90	235.48	236.64	238.38	241.28	245.92	251.72	259.26	265.64
125.0	306.82	307.40	309.14	312.04	316.10	320.74	325.96	331.18	336.40	340.46
130.0	391.50	392.08	393.24	394.98	397.88	401.36	404.26	407.74	410.64	412.96
135.0	469.22	469.22	470.38	471.54	472.70	474.44	476.18	477.92	480.24	481.98
140.0	535.92	535.92	536.50	537.08	537.66	538.82	539.98	541.14	542.30	543.46
145.0	592.76	592.76	592.76	593.34	593.92	594.50	595.08	595.66	596.82	597.40
150.0	639.74	640.32	640.32	640.32	640.90	640.90	641.48	642.06	642.64	643.22
155.0	678.60	678.60	679.18	679.18	679.18	679.76	679.76	680.34	680.34	680.92
160.0	709.34	709.34	709.34	709.34	709.34	709.34	709.92	709.92	709.92	709.92
165.0	731.96	731.96	731.96	731.96	731.96	731.96	731.96	731.96	731.96	731.96
170.0	747.04	747.04	747.04	747.04	747.04	747.04	747.04	747.04	747.04	747.04
175.0	755.74	755.74	755.74	755.74	755.74	755.74	755.74	755.74	755.74	755.74
180.0	758.06	758.06	758.06	758.06	758.06	758.06	758.06	758.06	758.06	758.06

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	767.34	767.34	767.34	767.34	767.34	767.34	767.34	767.34	767.34
1.0	767.34	767.34	767.34	767.34	767.34	767.34	767.34	767.34	767.34
3.0	766.76	766.76	766.76	766.76	766.76	766.76	766.76	766.76	766.18
5.0	764.44	764.44	764.44	764.44	764.44	764.44	764.44	764.44	764.44
7.0	760.96	760.96	760.96	760.96	760.96	760.96	760.96	760.96	760.96
9.0	755.74	755.74	755.74	755.74	755.74	755.74	755.74	755.16	755.16
11.0	749.36	749.36	749.36	748.78	748.78	748.78	748.78	748.78	748.78
13.0	741.24	741.24	740.66	740.66	740.08	740.08	740.08	739.50	740.08
15.0	731.38	731.38	730.80	730.22	729.64	729.64	729.06	729.06	729.06

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CANDELA TABULATION - (Cont.)

17.0	719.78	719.20	718.62	718.04	717.46	716.88	716.30	715.72	715.72
19.5	702.38	701.80	700.64	699.48	698.32	697.74	696.58	696.58	696.00
22.5	676.86	675.12	673.96	672.22	670.48	668.74	667.58	667.00	666.42
25.5	646.70	644.38	642.06	639.16	636.84	634.52	632.78	631.62	631.62
29.0	604.36	601.46	597.98	593.92	590.44	587.54	584.64	583.48	582.90
33.0	548.10	543.46	538.82	533.60	528.96	524.90	522.00	519.68	519.10
37.5	475.02	469.80	464.00	458.20	452.40	447.76	444.28	441.96	440.80
42.5	386.86	382.22	376.42	370.62	365.40	360.76	357.28	354.96	354.38
47.5	301.02	298.12	293.48	288.84	284.78	281.30	278.40	276.66	276.08
55.0	193.14	192.56	190.82	189.66	187.92	186.76	185.60	185.02	185.02
65.0	99.18	100.34	100.92	101.50	102.08	102.66	102.66	103.24	103.24
75.0	44.66	45.24	46.40	46.98	47.56	48.14	48.14	48.72	48.72
85.0	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86
90.0	1.74	1.74	1.74	1.74	1.74	1.16	1.16	1.16	1.16
95.0	20.30	20.88	20.88	21.46	21.46	20.88	20.88	22.04	22.04
100.0	52.78	53.36	53.36	53.36	52.78	55.68	57.42	58.00	58.00
105.0	92.22	92.80	92.80	95.70	100.34	102.66	103.24	103.82	103.82
110.0	137.46	140.94	147.32	152.54	154.86	156.60	157.18	157.18	157.18
115.0	199.52	205.90	211.12	214.02	215.76	216.92	217.50	218.08	218.08
120.0	271.44	275.50	278.40	280.72	282.46	283.62	284.20	284.78	284.78
125.0	343.94	346.84	349.16	350.90	352.06	353.22	354.38	354.38	354.96
130.0	415.28	417.60	419.34	421.08	422.24	422.82	423.40	423.98	423.98
135.0	483.14	484.88	486.62	487.78	488.36	488.94	489.52	490.10	490.10
140.0	544.62	545.78	546.94	547.52	548.10	548.68	549.26	549.26	549.26
145.0	598.56	599.14	599.72	600.30	600.30	600.88	600.88	600.88	600.88
150.0	643.80	644.38	644.38	644.96	644.96	644.96	644.96	644.96	644.96
155.0	680.92	680.92	681.50	681.50	681.50	681.50	681.50	681.50	681.50
160.0	709.92	709.92	709.92	709.92	709.92	709.92	709.92	709.92	709.92
165.0	731.96	731.96	731.96	731.96	731.96	731.96	731.96	731.96	731.96
170.0	747.04	747.04	747.04	747.04	747.04	747.04	747.04	747.04	747.04
175.0	755.74	755.74	755.74	755.74	755.74	755.74	755.74	755.74	755.74
180.0	758.06	758.06	758.06	758.06	758.06	758.06	758.06	758.06	758.06

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	265.47	N.A.	7.70
0-30	544.08	N.A.	15.90
0-40	815.84	N.A.	23.80
0-60	1241.95	N.A.	36.20
0-80	1443.53	N.A.	42.10
0-90	1474.94	N.A.	43.00
10-90	1415.99	N.A.	41.30
20-40	550.37	N.A.	16.00
20-50	826.03	N.A.	24.10
40-70	557.15	N.A.	16.20
60-80	201.58	N.A.	5.90
70-80	70.54	N.A.	2.10
80-90	31.41	N.A.	0.90
90-110	125.29	N.A.	3.70
90-120	322.41	N.A.	9.40
90-130	622.55	N.A.	18.10
90-150	1365.07	N.A.	39.80
90-180	1956.75	N.A.	57.00
110-180	1831.46	N.A.	53.40
0-180	3431.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	58.95
10-20	206.52
20-30	278.61
30-40	271.76
40-50	275.66
50-60	150.45
60-70	131.05
70-80	70.54
80-90	31.41
90-100	25.69
100-110	99.60
110-120	197.12
120-130	300.14
130-140	369.66
140-150	372.86
150-160	313.27
160-170	206.55
170-180	71.86

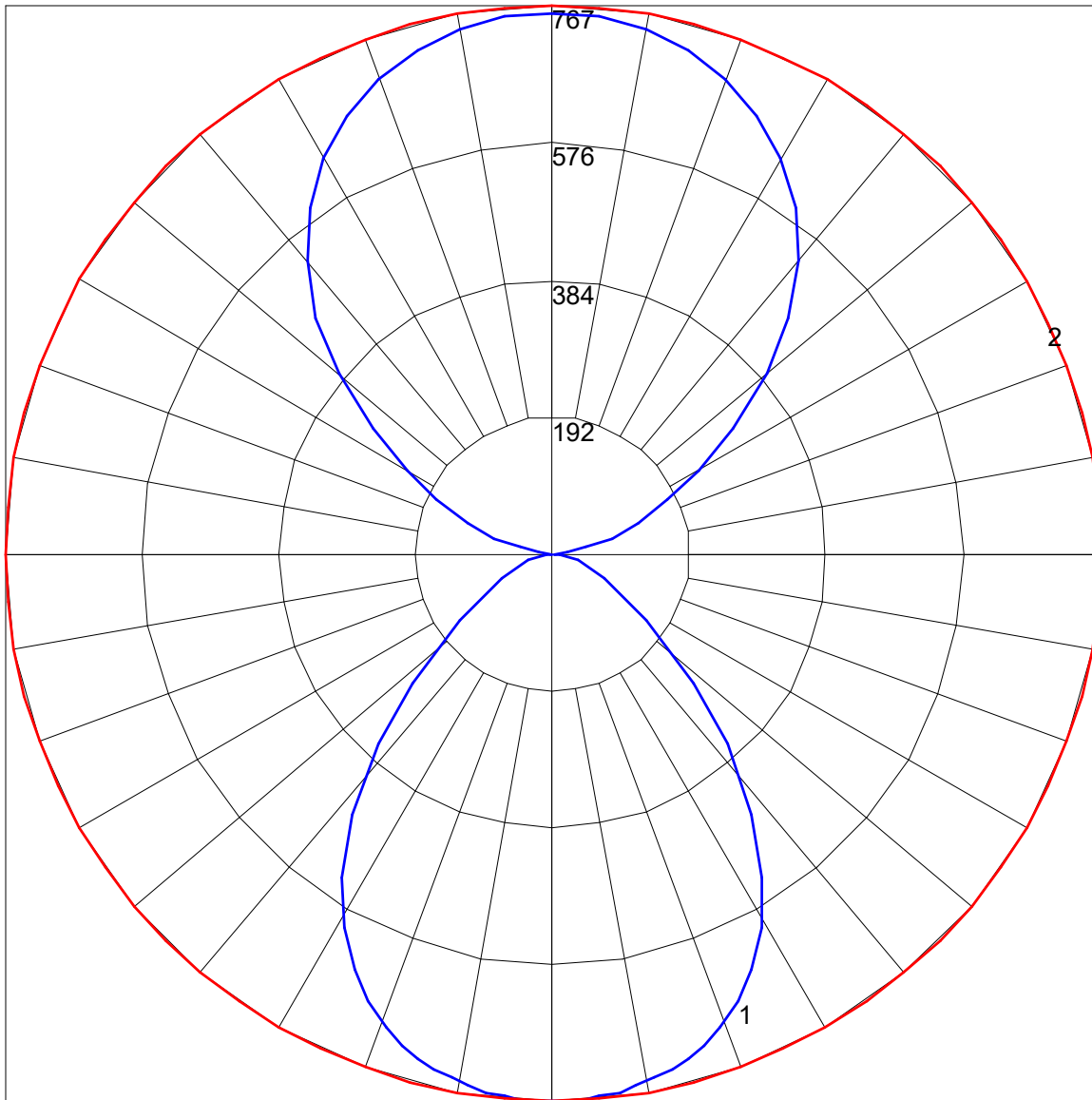
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	64	64	64	50	50	50	43
1	97	92	89	85	88	85	81	79	70	68	66	57	55	54	44	43	43	37
2	88	81	75	70	81	75	70	65	62	58	55	50	48	46	40	38	37	32
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	36	34	32	27
4	74	64	56	51	68	59	52	47	49	44	41	40	37	34	32	30	28	24
5	68	57	49	44	62	53	46	41	44	39	35	37	33	30	29	27	25	21
6	63	52	44	38	58	48	41	36	40	35	31	33	29	27	27	24	22	19
7	58	47	39	34	53	43	36	32	37	31	28	30	27	24	25	22	20	17
8	54	42	35	30	50	39	33	28	33	28	25	28	24	21	23	20	18	15
9	51	39	32	27	46	36	30	25	31	26	22	26	22	19	21	18	16	14
10	47	36	29	24	43	33	27	23	28	23	20	24	20	17	20	17	15	13

POLAR GRAPH



Maximum Candela = 767.34 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.)