

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric, up | 40° Symmetric, down | 80 CRI | LO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U1S1-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	91	94	96	96
Total Lumens, 4' rail length (1219mm)	2702	2787	2844	2844
Lumens per foot (305mm)	675	697	711	711
Lumens per foot UP (305mm)	465	480	490	490
Lumens per foot DOWN (305mm)	210	217	221	221
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_U1S1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911546 (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-U1S1-AL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 CRI, zipper board, symmetric lens up/40° 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	2844
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	29.78
Ballast Factor	1.00
CIE Type	Semi-Indirect
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	1144	1974	3643
55	786	1242	2483
65	637	901	1750
75	525	670	1257
85	331	416	719

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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	687.30	687.30	687.30	687.30	687.30	687.30	687.30	687.30	687.30	687.30
1.0	687.30	687.30	687.30	687.30	687.30	687.30	687.30	687.30	687.30	687.30
3.0	683.82	683.82	683.82	683.82	683.82	684.40	684.40	684.40	684.98	684.98
5.0	674.54	674.54	675.12	675.12	675.70	676.28	676.86	678.02	678.60	679.76
7.0	659.46	659.46	660.04	660.62	661.78	662.94	664.68	665.84	667.58	669.90
9.0	639.16	639.16	640.32	641.48	643.22	645.54	647.86	650.76	653.66	656.56
11.0	613.64	614.22	615.38	617.12	620.02	622.92	626.98	631.04	635.68	640.32
13.0	582.90	583.48	585.22	588.12	592.18	596.82	602.04	607.84	613.64	620.02
15.0	548.68	549.26	551.58	555.06	559.70	566.08	573.04	580.58	588.70	597.40
17.0	509.82	510.98	513.88	518.52	524.32	531.86	540.56	549.84	560.28	570.72
19.5	458.20	459.36	462.84	468.06	475.60	485.46	495.90	508.08	520.84	534.18
22.5	393.24	394.40	398.46	404.84	414.12	425.14	438.48	452.98	468.64	485.46
25.5	328.86	330.60	334.66	341.62	352.06	364.24	378.74	395.56	414.12	432.68
29.0	259.84	261.00	265.64	272.60	283.04	295.80	311.46	328.86	348.58	370.04
33.0	193.72	195.46	199.52	205.90	215.18	226.78	241.28	258.68	278.40	299.28
37.5	138.62	139.20	142.68	147.90	155.44	165.30	177.48	192.56	209.96	228.52
42.5	96.86	97.44	99.76	103.82	109.04	116.58	125.86	136.88	150.22	165.30
47.5	70.76	71.34	72.50	75.40	78.88	84.10	90.48	98.60	107.88	118.90
55.0	48.14	48.14	48.72	50.46	52.20	55.10	58.58	62.64	68.44	74.24
65.0	30.16	30.16	30.74	30.74	31.90	33.06	34.22	35.96	38.28	41.18
75.0	16.82	16.82	16.82	17.40	17.40	17.98	17.98	18.56	19.72	20.30
85.0	5.22	5.22	5.22	5.22	5.22	5.22	5.22	5.22	5.22	5.80
90.0	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74
95.0	17.98	17.98	17.98	17.98	17.98	17.98	17.98	17.98	17.98	17.98
100.0	41.76	41.76	42.34	42.92	43.50	44.08	45.24	46.40	48.14	49.30
105.0	78.88	78.88	79.46	80.62	81.78	83.52	85.26	87.00	88.74	91.06
110.0	125.28	125.86	126.44	127.60	129.34	131.08	133.40	135.72	138.04	140.36
115.0	180.96	180.96	182.12	183.28	185.02	187.34	189.66	192.56	196.04	199.52
120.0	244.76	244.76	245.92	247.66	249.98	252.30	255.78	259.84	263.32	266.80
125.0	317.84	317.84	319.00	320.74	323.06	325.38	328.28	331.76	334.66	337.56
130.0	393.24	393.82	394.40	395.56	397.30	399.04	401.36	404.26	407.16	409.48
135.0	465.74	465.74	466.32	467.48	468.64	470.38	472.70	474.44	476.76	479.66
140.0	531.86	531.86	532.44	533.02	534.18	535.92	537.66	539.40	541.14	543.46
145.0	590.44	590.44	591.02	591.60	592.18	593.34	594.50	596.24	597.40	598.56
150.0	640.32	640.32	640.32	640.90	641.48	642.06	642.64	643.80	644.38	644.96
155.0	680.92	680.92	680.92	680.92	681.50	681.50	682.08	682.66	682.66	683.24
160.0	711.66	711.66	711.66	712.24	711.66	712.24	712.24	712.24	712.24	712.24
165.0	734.86	734.86	734.86	734.86	734.86	734.86	734.86	734.86	734.86	734.86
170.0	749.94	750.52	750.52	750.52	750.52	749.94	750.52	750.52	750.52	750.52
175.0	759.22	759.22	759.22	759.22	759.22	759.22	759.22	759.22	759.22	759.22
180.0	761.54	761.54	761.54	761.54	761.54	761.54	761.54	761.54	761.54	761.54

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	687.30	687.30	687.30	687.30	687.30	687.30	687.30	687.30	687.30
1.0	687.30	687.30	687.30	687.30	687.30	687.30	687.30	687.30	687.30
3.0	685.56	685.56	685.56	686.14	686.14	686.14	686.14	686.72	686.72
5.0	680.34	680.92	682.08	682.08	683.24	683.24	683.82	683.82	684.40
7.0	671.64	673.38	674.54	676.28	677.44	678.60	679.18	679.18	679.76
9.0	659.46	662.36	665.26	667.58	669.90	671.64	672.80	673.96	673.96
11.0	644.96	649.02	653.08	657.14	660.04	662.94	664.68	665.84	666.42
13.0	626.40	632.78	638.58	643.80	648.44	651.92	654.82	656.56	657.14
15.0	605.52	613.64	621.76	628.14	634.52	639.16	642.64	644.96	645.54

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CANDELA TABULATION - (Cont.)

17.0	581.74	592.18	601.46	610.16	617.70	624.08	628.72	631.04	632.20
19.5	548.10	560.86	573.04	584.64	593.92	601.46	607.26	610.74	611.90
22.5	502.28	518.52	534.18	548.10	560.28	569.56	577.10	581.16	582.90
25.5	452.98	472.12	489.52	506.34	520.26	531.86	540.56	545.78	546.94
29.0	391.50	412.96	433.26	452.40	468.64	481.98	491.84	497.64	499.38
33.0	322.48	344.52	366.56	386.28	403.68	418.76	429.20	435.58	437.32
37.5	249.98	270.86	292.32	312.04	329.44	343.94	354.38	361.34	363.66
42.5	182.12	200.10	218.66	236.06	251.72	265.06	275.50	281.88	283.62
47.5	131.66	145.58	159.50	174.00	186.76	198.36	207.06	212.86	214.60
55.0	81.78	90.48	99.18	108.46	117.16	125.28	131.66	135.72	138.04
65.0	44.08	48.14	52.20	56.84	60.90	65.54	69.02	71.34	71.92
75.0	21.46	22.62	24.36	26.10	27.84	29.00	30.74	31.32	31.90
85.0	5.80	5.80	5.80	6.38	6.38	6.38	6.38	6.38	6.38
90.0	1.74	1.74	1.16	1.16	1.16	1.16	1.16	1.16	1.16
95.0	18.56	18.56	19.14	19.72	20.30	20.30	20.88	22.04	22.04
100.0	50.46	52.20	52.78	53.94	55.10	56.26	57.42	57.42	58.00
105.0	92.80	94.54	96.28	98.02	99.76	101.50	102.08	102.66	102.66
110.0	143.26	146.16	149.06	151.38	153.12	154.86	156.02	156.02	156.60
115.0	203.58	206.48	208.80	211.70	213.44	215.76	216.92	217.50	217.50
120.0	269.70	273.18	276.08	278.40	280.72	282.46	284.20	284.78	284.78
125.0	340.46	343.94	346.84	349.74	352.06	353.22	354.38	354.96	354.96
130.0	412.38	415.28	418.18	420.50	422.24	423.98	424.56	425.14	425.14
135.0	481.98	484.30	486.62	488.36	489.52	490.68	491.26	491.84	491.84
140.0	545.20	546.94	548.68	549.84	550.42	551.00	551.58	551.58	552.16
145.0	600.30	600.88	602.04	602.62	603.20	603.20	603.78	603.78	603.78
150.0	646.12	646.70	646.70	647.28	647.28	647.86	647.86	647.86	648.44
155.0	683.24	683.82	683.82	683.82	684.40	684.40	684.40	684.40	684.40
160.0	712.82	712.82	712.82	712.82	713.40	713.40	713.40	713.40	713.40
165.0	735.44	735.44	735.44	735.44	735.44	735.44	735.44	735.44	735.44
170.0	750.52	750.52	750.52	750.52	750.52	750.52	750.52	750.52	750.52
175.0	759.22	759.22	759.22	759.22	759.22	759.22	759.22	759.22	759.22
180.0	761.54	761.54	761.54	761.54	761.54	761.54	761.54	761.54	761.54

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	220.54	N.A.	7.80
0-30	413.66	N.A.	14.50
0-40	568.82	N.A.	20.00
0-60	771.10	N.A.	27.10
0-80	867.46	N.A.	30.50
0-90	884.52	N.A.	31.10
10-90	832.47	N.A.	29.30
20-40	348.28	N.A.	12.20
20-50	481.87	N.A.	16.90
40-70	263.58	N.A.	9.30
60-80	96.35	N.A.	3.40
70-80	35.05	N.A.	1.20
80-90	17.06	N.A.	0.60
90-110	122.31	N.A.	4.30
90-120	321.57	N.A.	11.30
90-130	623.31	N.A.	21.90
90-150	1365.35	N.A.	48.00
90-180	1959.31	N.A.	68.90
110-180	1837.01	N.A.	64.60
0-180	2843.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	52.05
10-20	168.49
20-30	193.12
30-40	155.16
40-50	133.60
50-60	68.69
60-70	61.30
70-80	35.05
80-90	17.06
90-100	24.19
100-110	98.12
110-120	199.26
120-130	301.74
130-140	368.79
140-150	373.25
150-160	314.34
160-170	207.43
170-180	72.19

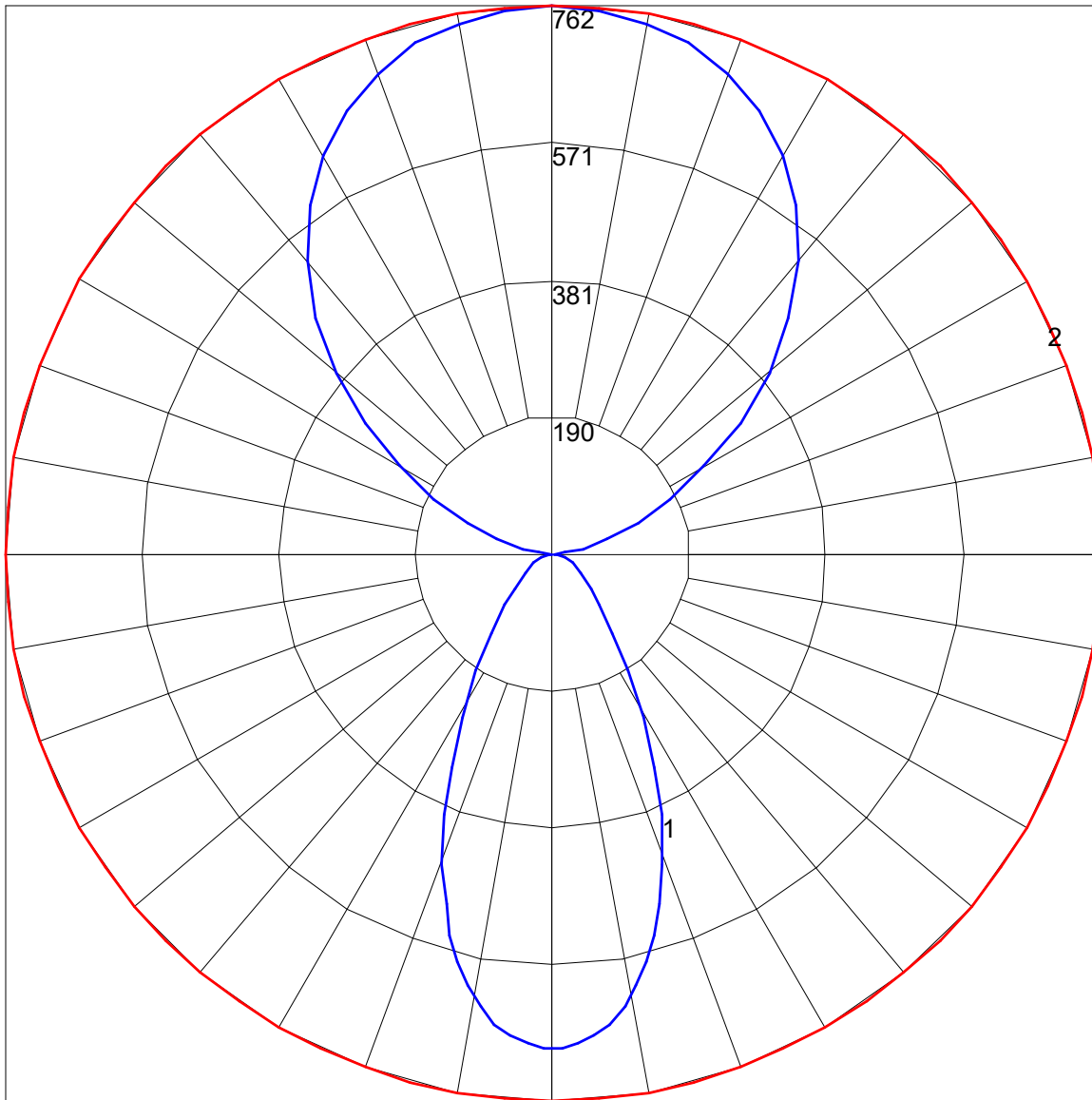
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	90	86	83	84	81	78	75	64	62	61	49	48	47	35	34	34	27
2	86	79	74	69	77	72	67	63	57	54	51	44	42	40	32	30	29	24
3	79	70	64	58	71	64	58	53	51	47	44	40	37	35	29	27	26	21
4	73	63	56	50	65	57	51	46	46	42	38	36	33	30	26	24	23	19
5	67	56	49	43	60	51	45	40	42	37	33	32	29	27	24	22	21	17
6	62	51	43	38	56	46	40	35	38	33	30	30	26	24	22	20	19	15
7	57	46	39	34	52	42	36	31	34	30	26	27	24	22	21	19	17	14
8	53	42	35	30	48	38	32	28	32	27	24	25	22	20	19	17	15	13
9	50	38	31	27	45	35	29	25	29	25	21	23	20	18	18	16	14	12
10	47	35	29	24	42	32	27	23	27	22	19	22	18	16	17	15	13	11

POLAR GRAPH



Maximum Candela = 761.54 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)