



IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U2S7-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	114	117	120	120
Total Lumens, 4' rail length (1219mm)	3375	3481	3552	3552
Lumens per foot (305mm)	494	509	520	520
Lumens per foot UP (305mm)	350	361	368	368
Lumens per foot DOWN (305mm)	844	870	888	888
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_U2S7.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911556 (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-U2S7-AL

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

[MORE] 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	3552
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
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	4401	4738	4461
55	2774	3251	3318
65	1787	2207	2568
75	1194	1513	1989
85	589	749	1243

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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	765.02	765.02	765.02	765.02	765.02	765.02	765.02	765.02	765.02	765.02
1.0	765.02	765.02	765.02	765.02	765.02	765.02	765.02	765.02	765.02	765.02
3.0	764.44	764.44	764.44	764.44	764.44	764.44	764.44	764.44	763.86	763.86
5.0	762.12	762.12	762.12	762.12	762.12	762.12	762.12	762.12	762.12	762.12
7.0	758.64	758.64	758.64	758.64	758.64	758.64	758.64	758.64	758.64	758.06
9.0	754.00	753.42	753.42	753.42	753.42	753.42	753.42	753.42	752.84	752.84
11.0	747.62	747.62	747.62	747.62	747.62	747.04	747.04	747.04	746.46	746.46
13.0	739.50	739.50	738.92	738.92	739.50	738.92	738.92	738.34	738.34	737.76
15.0	730.22	729.64	729.64	729.64	729.64	729.64	729.06	728.48	728.48	727.90
17.0	718.62	718.04	718.04	718.04	718.04	718.04	717.46	716.88	716.30	715.14
19.5	701.22	701.22	701.22	701.22	701.22	701.22	700.64	700.06	698.90	697.74
22.5	675.70	675.70	676.28	676.28	676.28	676.28	675.70	675.12	673.38	671.64
25.5	644.96	644.96	644.96	645.54	646.12	646.12	646.12	644.96	643.22	640.32
29.0	600.88	600.88	602.04	603.20	603.78	604.36	604.36	603.20	601.46	597.98
33.0	540.56	541.14	542.30	544.04	545.78	547.52	548.10	546.94	544.62	541.14
37.5	461.68	462.84	464.58	467.48	470.38	473.28	474.44	474.44	472.70	468.64
42.5	367.72	368.30	371.20	374.68	379.32	383.38	386.28	387.44	386.28	382.80
47.5	277.24	278.40	281.30	285.36	290.58	295.22	298.70	301.02	301.60	299.28
55.0	169.94	170.52	172.84	176.32	180.96	185.60	189.08	191.98	193.72	194.30
65.0	84.68	84.68	86.42	88.16	90.48	93.38	95.70	98.02	99.76	100.92
75.0	38.28	38.28	38.86	40.02	40.60	41.76	42.92	44.08	45.24	45.82
85.0	9.28	9.28	9.28	9.86	9.86	9.86	10.44	10.44	10.44	10.44
90.0	12.76	12.76	12.18	12.18	11.60	11.02	9.86	9.28	8.70	7.54
95.0	28.42	28.42	28.42	27.84	27.84	27.26	26.68	26.10	26.10	25.52
100.0	53.36	53.36	53.94	53.94	53.94	54.52	55.10	55.68	56.26	56.84
105.0	91.06	91.64	91.64	92.22	93.38	94.54	95.70	96.86	98.02	99.18
110.0	139.78	140.36	140.94	141.52	142.68	144.42	145.58	146.74	148.48	150.80
115.0	198.36	198.36	198.94	200.10	201.26	203.00	205.32	208.22	211.70	214.60
120.0	268.54	268.54	269.70	270.86	273.18	275.50	278.40	281.30	284.20	287.68
125.0	347.42	347.42	348.58	349.74	351.48	353.80	356.12	359.02	361.92	365.40
130.0	426.30	426.30	427.46	428.62	429.78	432.10	434.42	437.32	440.22	443.12
135.0	501.70	501.70	502.28	503.44	505.18	506.92	508.66	510.40	512.14	513.30
140.0	569.56	569.56	569.56	570.72	571.30	571.88	572.46	573.62	574.20	575.36
145.0	624.66	624.66	625.24	625.24	625.82	625.82	626.40	626.98	627.56	627.56
150.0	670.48	670.48	670.48	670.48	670.48	671.06	671.06	671.64	671.64	671.64
155.0	707.02	707.02	707.02	707.02	707.02	707.02	707.02	707.60	707.60	707.60
160.0	736.02	736.02	736.02	736.02	736.02	736.02	736.02	736.02	736.02	736.02
165.0	758.06	757.48	758.06	758.06	758.06	758.06	758.06	758.06	758.06	758.06
170.0	773.14	773.14	773.14	773.14	773.14	773.14	773.14	773.14	773.14	773.14
175.0	781.84	781.84	781.84	781.84	781.84	781.84	781.84	781.84	781.84	781.84
180.0	784.16	784.16	784.16	784.16	784.16	784.16	784.16	784.16	784.16	784.16

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	765.02	765.02	765.02	765.02	765.02	765.02	765.02	765.02	765.02
1.0	765.02	765.02	765.02	765.02	765.02	765.02	765.02	765.02	765.02
3.0	764.44	763.86	763.86	764.44	763.86	764.44	763.86	763.86	764.44
5.0	761.54	761.54	761.54	761.54	761.54	761.54	761.54	761.54	761.54
7.0	758.64	758.06	758.06	758.06	758.06	757.48	757.48	757.48	757.48
9.0	752.84	752.84	752.26	752.26	752.26	751.68	752.26	751.68	751.68
11.0	745.88	745.88	745.30	744.72	744.72	744.72	744.14	744.14	744.14
13.0	737.18	736.60	736.02	735.44	734.86	734.86	734.28	734.28	734.28
15.0	726.74	726.16	725.58	724.42	723.84	723.26	722.68	722.10	722.10

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CANDELA TABULATION - (Cont.)

17.0	713.98	713.40	712.24	711.08	709.92	708.76	708.18	707.60	707.60
19.5	696.00	694.26	692.52	690.78	689.04	687.88	686.72	686.14	686.14
22.5	669.32	667.00	664.10	661.20	658.88	657.14	655.40	654.24	654.24
25.5	637.42	633.94	630.46	626.40	622.92	620.02	617.70	616.54	615.96
29.0	593.92	589.28	584.06	579.42	574.78	570.72	567.82	566.08	565.50
33.0	535.92	530.12	523.74	517.36	511.56	506.92	502.86	500.54	499.96
37.5	462.84	456.46	449.50	442.54	435.58	430.36	426.30	423.98	422.82
42.5	377.58	371.78	364.82	358.44	352.64	348.00	343.94	341.62	341.04
47.5	295.80	291.74	286.52	281.88	277.82	274.34	271.44	269.70	269.12
55.0	193.72	191.98	190.82	189.08	187.92	186.76	185.60	185.02	184.44
65.0	102.08	102.66	103.82	104.40	104.98	104.98	105.56	105.56	105.56
75.0	46.98	47.56	48.14	48.72	49.30	49.88	49.88	49.88	50.46
85.0	11.02	11.02	11.02	11.02	11.02	11.02	11.02	11.02	11.02
90.0	6.96	5.80	5.22	4.64	4.06	2.90	2.90	2.32	2.32
95.0	24.94	24.36	24.36	24.36	24.36	23.78	23.78	23.78	23.78
100.0	57.42	58.00	58.00	58.00	58.58	59.16	59.74	60.32	59.74
105.0	99.76	100.92	102.08	103.82	104.98	106.14	106.72	106.72	106.72
110.0	153.12	156.02	157.76	160.08	162.40	163.56	164.14	164.14	164.14
115.0	218.08	220.98	223.88	226.78	228.52	229.68	230.26	230.26	230.84
120.0	291.16	294.64	298.12	299.86	301.60	302.76	303.34	303.92	303.92
125.0	368.88	372.36	374.10	375.84	377.58	378.16	378.74	379.32	379.32
130.0	445.44	447.18	448.92	450.08	450.66	451.24	451.82	451.82	452.40
135.0	514.46	515.62	516.78	517.94	517.94	518.52	519.10	519.10	519.10
140.0	575.94	576.52	577.10	577.68	578.26	578.26	578.26	578.84	578.84
145.0	628.14	628.72	628.72	628.72	629.30	629.30	629.30	629.30	629.88
150.0	672.22	672.22	672.22	672.22	672.22	672.80	672.80	672.80	672.80
155.0	707.60	707.60	707.60	707.60	708.18	708.18	708.18	708.18	708.18
160.0	736.02	736.60	736.60	736.60	736.60	736.60	736.60	736.60	736.60
165.0	758.06	758.06	758.06	758.06	758.06	758.06	758.06	758.06	758.64
170.0	773.14	773.14	773.14	773.14	773.14	773.14	773.14	773.14	773.14
175.0	781.84	781.84	781.84	781.84	781.84	781.84	781.84	781.84	781.84
180.0	784.16	784.16	784.16	784.16	784.16	784.16	784.16	784.16	784.16

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	264.00	N.A.	7.40
0-30	539.33	N.A.	15.20
0-40	806.34	N.A.	22.70
0-60	1229.69	N.A.	34.60
0-80	1438.05	N.A.	40.50
0-90	1472.98	N.A.	41.50
10-90	1414.24	N.A.	39.80
20-40	542.33	N.A.	15.30
20-50	814.39	N.A.	22.90
40-70	557.99	N.A.	15.70
60-80	208.36	N.A.	5.90
70-80	73.73	N.A.	2.10
80-90	34.93	N.A.	1.00
90-110	138.81	N.A.	3.90
90-120	353.67	N.A.	10.00
90-130	679.46	N.A.	19.10
90-150	1465.03	N.A.	41.20
90-180	2079.33	N.A.	58.50
110-180	1940.52	N.A.	54.60
0-180	3552.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	58.74
10-20	205.26
20-30	275.32
30-40	267.01
40-50	272.06
50-60	151.29
60-70	134.64
70-80	73.73
80-90	34.93
90-100	31.54
100-110	107.27
110-120	214.86
120-130	325.79
130-140	393.70
140-150	391.87
150-160	325.97
160-170	213.98
170-180	74.35

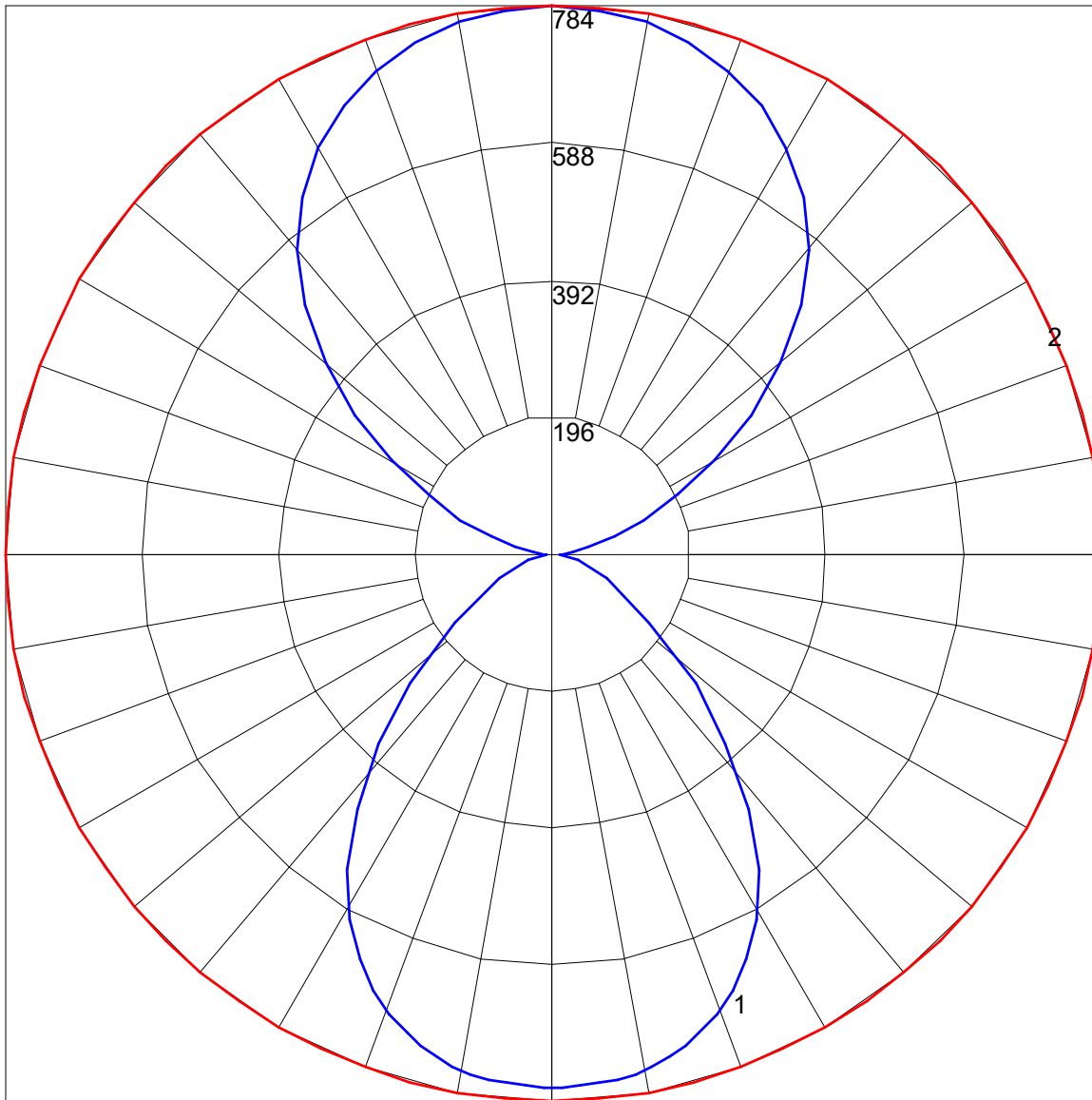
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	48	48	48	41
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	35
2	88	81	75	70	80	74	69	65	61	58	54	49	47	45	38	37	35	30
3	80	71	64	59	73	65	59	55	54	50	46	44	41	38	34	32	31	26
4	74	64	56	50	67	58	52	47	49	44	40	40	36	33	31	29	27	23
5	68	57	49	43	62	52	46	40	44	39	35	36	32	29	28	26	24	20
6	63	51	43	38	57	47	40	35	40	34	31	33	29	26	26	23	21	18
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	24	21	19	16
8	54	42	35	30	49	39	32	28	33	28	24	27	23	21	22	19	17	15
9	50	39	31	26	46	36	29	25	30	25	22	25	21	19	20	18	16	13
10	47	35	28	24	43	33	27	22	28	23	20	23	20	17	19	16	14	12

POLAR GRAPH



Maximum Candela = 784.16 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.)