

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	130	134	136	136
Total Lumens, 4' rail length (1219mm)	6749	6963	7105	7105
Lumens per foot (305mm)	988	1019	1040	1040
Lumens per foot UP (305mm)	700	722	736	736
Lumens per foot DOWN (305mm)	1687	1741	1776	1776
Input Power (W), 4' rail length (1219mm)	52.2	52.2	52.2	52.2
Watts per foot (305mm)	13.1	13.1	13.1	13.1
CRI	82	82	82	82

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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_SO_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-SO-35-U2S7-AL
 [LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 CRI, zipper board, symmetric lens with edgeglow up/80°
 [MORE] symmetric lens down, standard 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	7105
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	52.24
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	8802	9475	8923
55	5548	6503	6636
65	3575	4415	5136
75	2388	3025	3978
85	1178	1498	2485

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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	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04
1.0	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04
3.0	1528.88	1528.88	1528.88	1528.88	1528.88	1528.88	1528.88	1528.88	1527.72	1527.72
5.0	1524.24	1524.24	1524.24	1524.24	1524.24	1524.24	1524.24	1524.24	1524.24	1524.24
7.0	1517.28	1517.28	1517.28	1517.28	1517.28	1517.28	1517.28	1517.28	1517.28	1516.12
9.0	1508.00	1506.84	1506.84	1506.84	1506.84	1506.84	1506.84	1506.84	1505.68	1505.68
11.0	1495.24	1495.24	1495.24	1495.24	1495.24	1494.08	1494.08	1494.08	1492.92	1492.92
13.0	1479.00	1479.00	1477.84	1477.84	1479.00	1477.84	1477.84	1476.68	1476.68	1475.52
15.0	1460.44	1459.28	1459.28	1459.28	1459.28	1459.28	1458.12	1456.96	1456.96	1455.80
17.0	1437.24	1436.08	1436.08	1436.08	1436.08	1436.08	1434.92	1433.76	1432.60	1430.28
19.5	1402.44	1402.44	1402.44	1402.44	1402.44	1402.44	1401.28	1400.12	1397.80	1395.48
22.5	1351.40	1351.40	1352.56	1352.56	1352.56	1352.56	1351.40	1350.24	1346.76	1343.28
25.5	1289.92	1289.92	1289.92	1291.08	1292.24	1292.24	1292.24	1289.92	1286.44	1280.64
29.0	1201.76	1201.76	1204.08	1206.40	1207.56	1208.72	1208.72	1206.40	1202.92	1195.96
33.0	1081.12	1082.28	1084.60	1088.08	1091.56	1095.04	1096.20	1093.88	1089.24	1082.28
37.5	923.36	925.68	929.16	934.96	940.76	946.56	948.88	948.88	945.40	937.28
42.5	735.44	736.60	742.40	749.36	758.64	766.76	772.56	774.88	772.56	765.60
47.5	554.48	556.80	562.60	570.72	581.16	590.44	597.40	602.04	603.20	598.56
55.0	339.88	341.04	345.68	352.64	361.92	371.20	378.16	383.96	387.44	388.60
65.0	169.36	169.36	172.84	176.32	180.96	186.76	191.40	196.04	199.52	201.84
75.0	76.56	76.56	77.72	80.04	81.20	83.52	85.84	88.16	90.48	91.64
85.0	18.56	18.56	18.56	19.72	19.72	19.72	20.88	20.88	20.88	20.88
90.0	25.52	25.52	24.36	24.36	23.20	22.04	19.72	18.56	17.40	15.08
95.0	56.84	56.84	56.84	55.68	55.68	54.52	53.36	52.20	52.20	51.04
100.0	106.72	106.72	107.88	107.88	107.88	109.04	110.20	111.36	112.52	113.68
105.0	182.12	183.28	183.28	184.44	186.76	189.08	191.40	193.72	196.04	198.36
110.0	279.56	280.72	281.88	283.04	285.36	288.84	291.16	293.48	296.96	301.60
115.0	396.72	396.72	397.88	400.20	402.52	406.00	410.64	416.44	423.40	429.20
120.0	537.08	537.08	539.40	541.72	546.36	551.00	556.80	562.60	568.40	575.36
125.0	694.84	694.84	697.16	699.48	702.96	707.60	712.24	718.04	723.84	730.80
130.0	852.60	852.60	854.92	857.24	859.56	864.20	868.84	874.64	880.44	886.24
135.0	1003.40	1003.40	1004.56	1006.88	1010.36	1013.84	1017.32	1020.80	1024.28	1026.60
140.0	1139.12	1139.12	1139.12	1141.44	1142.60	1143.76	1144.92	1147.24	1148.40	1150.72
145.0	1249.32	1249.32	1250.48	1250.48	1251.64	1251.64	1252.80	1253.96	1255.12	1255.12
150.0	1340.96	1340.96	1340.96	1340.96	1340.96	1342.12	1342.12	1343.28	1343.28	1343.28
155.0	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04	1415.20	1415.20	1415.20
160.0	1472.04	1472.04	1472.04	1472.04	1472.04	1472.04	1472.04	1472.04	1472.04	1472.04
165.0	1516.12	1514.96	1516.12	1516.12	1516.12	1516.12	1516.12	1516.12	1516.12	1516.12
170.0	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28
175.0	1563.68	1563.68	1563.68	1563.68	1563.68	1563.68	1563.68	1563.68	1563.68	1563.68
180.0	1568.32	1568.32	1568.32	1568.32	1568.32	1568.32	1568.32	1568.32	1568.32	1568.32

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	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04
1.0	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04
3.0	1528.88	1527.72	1527.72	1528.88	1527.72	1528.88	1527.72	1527.72	1528.88
5.0	1523.08	1523.08	1523.08	1523.08	1523.08	1523.08	1523.08	1523.08	1523.08
7.0	1517.28	1516.12	1516.12	1516.12	1516.12	1514.96	1514.96	1514.96	1514.96
9.0	1505.68	1505.68	1504.52	1504.52	1504.52	1503.36	1504.52	1503.36	1503.36
11.0	1491.76	1491.76	1490.60	1489.44	1489.44	1489.44	1488.28	1488.28	1488.28
13.0	1474.36	1473.20	1472.04	1470.88	1469.72	1469.72	1468.56	1468.56	1468.56
15.0	1453.48	1452.32	1451.16	1448.84	1447.68	1446.52	1445.36	1444.20	1444.20

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CANDELA TABULATION - (Cont.)

17.0	1427.96	1426.80	1424.48	1422.16	1419.84	1417.52	1416.36	1415.20	1415.20
19.5	1392.00	1388.52	1385.04	1381.56	1378.08	1375.76	1373.44	1372.28	1372.28
22.5	1338.64	1334.00	1328.20	1322.40	1317.76	1314.28	1310.80	1308.48	1308.48
25.5	1274.84	1267.88	1260.92	1252.80	1245.84	1240.04	1235.40	1233.08	1231.92
29.0	1187.84	1178.56	1168.12	1158.84	1149.56	1141.44	1135.64	1132.16	1131.00
33.0	1071.84	1060.24	1047.48	1034.72	1023.12	1013.84	1005.72	1001.08	999.92
37.5	925.68	912.92	899.00	885.08	871.16	860.72	852.60	847.96	845.64
42.5	755.16	743.56	729.64	716.88	705.28	696.00	687.88	683.24	682.08
47.5	591.60	583.48	573.04	563.76	555.64	548.68	542.88	539.40	538.24
55.0	387.44	383.96	381.64	378.16	375.84	373.52	371.20	370.04	368.88
65.0	204.16	205.32	207.64	208.80	209.96	209.96	211.12	211.12	211.12
75.0	93.96	95.12	96.28	97.44	98.60	99.76	99.76	99.76	100.92
85.0	22.04	22.04	22.04	22.04	22.04	22.04	22.04	22.04	22.04
90.0	13.92	11.60	10.44	9.28	8.12	5.80	5.80	4.64	4.64
95.0	49.88	48.72	48.72	48.72	48.72	47.56	47.56	47.56	47.56
100.0	114.84	116.00	116.00	116.00	117.16	118.32	119.48	120.64	119.48
105.0	199.52	201.84	204.16	207.64	209.96	212.28	213.44	213.44	213.44
110.0	306.24	312.04	315.52	320.16	324.80	327.12	328.28	328.28	328.28
115.0	436.16	441.96	447.76	453.56	457.04	459.36	460.52	460.52	461.68
120.0	582.32	589.28	596.24	599.72	603.20	605.52	606.68	607.84	607.84
125.0	737.76	744.72	748.20	751.68	755.16	756.32	757.48	758.64	758.64
130.0	890.88	894.36	897.84	900.16	901.32	902.48	903.64	903.64	904.80
135.0	1028.92	1031.24	1033.56	1035.88	1035.88	1037.04	1038.20	1038.20	1038.20
140.0	1151.88	1153.04	1154.20	1155.36	1156.52	1156.52	1156.52	1157.68	1157.68
145.0	1256.28	1257.44	1257.44	1257.44	1258.60	1258.60	1258.60	1258.60	1259.76
150.0	1344.44	1344.44	1344.44	1344.44	1344.44	1345.60	1345.60	1345.60	1345.60
155.0	1415.20	1415.20	1415.20	1415.20	1416.36	1416.36	1416.36	1416.36	1416.36
160.0	1472.04	1473.20	1473.20	1473.20	1473.20	1473.20	1473.20	1473.20	1473.20
165.0	1516.12	1516.12	1516.12	1516.12	1516.12	1516.12	1516.12	1516.12	1517.28
170.0	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28
175.0	1563.68	1563.68	1563.68	1563.68	1563.68	1563.68	1563.68	1563.68	1563.68
180.0	1568.32	1568.32	1568.32	1568.32	1568.32	1568.32	1568.32	1568.32	1568.32

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	528.01	N.A.	7.40
0-30	1078.65	N.A.	15.20
0-40	1612.67	N.A.	22.70
0-60	2459.37	N.A.	34.60
0-80	2876.1	N.A.	40.50
0-90	2945.96	N.A.	41.50
10-90	2828.48	N.A.	39.80
20-40	1084.66	N.A.	15.30
20-50	1628.78	N.A.	22.90
40-70	1115.97	N.A.	15.70
60-80	416.73	N.A.	5.90
70-80	147.46	N.A.	2.10
80-90	69.86	N.A.	1.00
90-110	277.62	N.A.	3.90
90-120	707.34	N.A.	10.00
90-130	1358.93	N.A.	19.10
90-150	2930.06	N.A.	41.20
90-180	4158.65	N.A.	58.50
110-180	3881.04	N.A.	54.60
0-180	7104.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	117.48
10-20	410.52
20-30	550.64
30-40	534.02
40-50	544.12
50-60	302.58
60-70	269.27
70-80	147.46
80-90	69.86
90-100	63.08
100-110	214.53
110-120	429.72
120-130	651.59
130-140	787.40
140-150	783.73
150-160	651.94
160-170	427.96
170-180	148.70

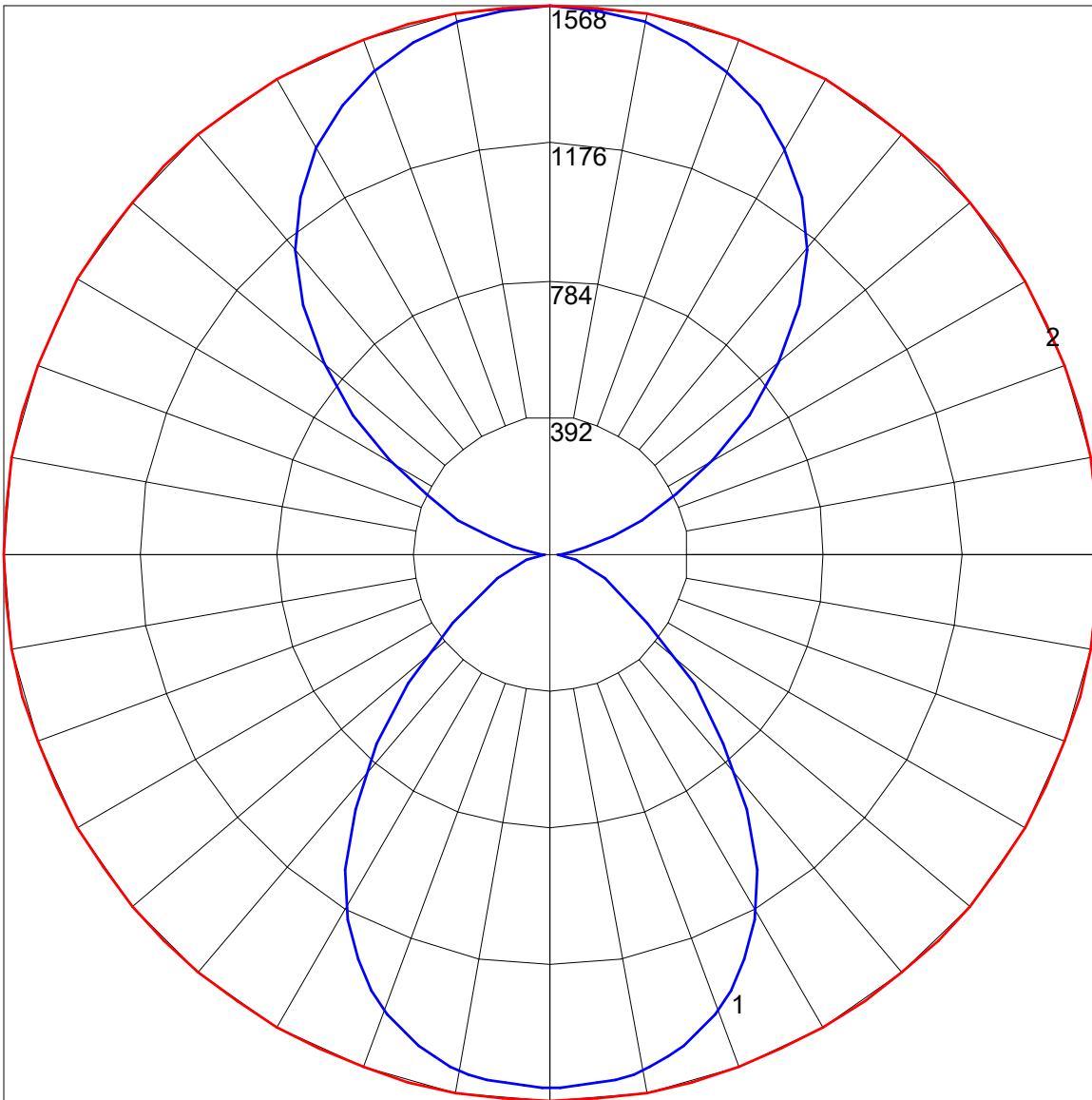
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	0
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	35	0
2	88	81	75	70	80	74	69	65	61	58	54	49	47	45	38	37	35	30	0
3	80	71	64	59	73	65	59	55	54	50	46	44	41	38	34	32	31	26	0
4	74	63	56	50	67	58	52	47	49	44	40	40	36	33	31	29	27	23	0
5	68	57	49	43	62	52	46	40	44	39	35	36	32	29	28	26	24	20	0
6	63	51	43	38	57	47	40	35	40	34	31	33	29	26	26	23	21	18	0
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	24	21	19	16	0
8	54	42	35	30	49	39	32	28	33	28	24	27	23	21	22	19	17	15	0
9	50	38	31	26	46	36	29	25	30	25	22	25	21	19	20	18	16	13	0
10	47	35	28	24	43	33	27	22	28	23	20	23	20	17	19	16	14	12	0

POLAR GRAPH



Maximum Candela = 1568.32 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.)