

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | 60° Symmetric, down | 90 CRI | HO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-359-U2S2-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	97	100	102	106
Total Lumens, 4' rail length (1219mm)	10374	10702	10920	11029
Lumens per foot (305mm)	2594	2675	2730	2757
Lumens per foot UP (305mm)	1629	1681	1715	1732
Lumens per foot DOWN (305mm)	964	995	1015	1025
Input Power (W), 4' rail length (1219mm)	107.7	107.7	107.7	107.7
Watts per foot (305mm)	27	27	27	27
CRI	94	94	94	94

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 : 707-Z3-48-Z-CC-HO-359-U2S2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911553 (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-HO-359-U2S2-AL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 90 CRI, zipper board, symmetric lens with edgeglow up/60°

[MORE] symmetric lens down, high 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	10920
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	107.66
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	7286	11455	14670
55	4280	6899	10049
65	3128	4613	7488
75	2371	3262	5541
85	1326	1772	3428

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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	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7
1.0	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7
3.0	2527.0	2527.0	2527.0	2527.0	2528.9	2528.9	2528.9	2528.9	2528.9	2528.9
5.0	2513.7	2513.7	2513.7	2513.7	2515.6	2515.6	2517.5	2517.5	2519.4	2519.4
7.0	2490.9	2490.9	2492.8	2492.8	2494.7	2496.6	2498.5	2500.4	2502.3	2504.2
9.0	2458.6	2458.6	2460.5	2462.4	2464.3	2466.2	2470.0	2473.8	2477.6	2479.5
11.0	2416.8	2416.8	2418.7	2422.5	2426.3	2430.1	2433.9	2439.6	2445.3	2451.0
13.0	2365.5	2365.5	2367.4	2371.2	2376.9	2382.6	2390.2	2397.8	2405.4	2413.0
15.0	2300.9	2302.8	2306.6	2312.3	2318.0	2327.5	2337.0	2348.4	2357.9	2369.3
17.0	2224.9	2226.8	2232.5	2240.1	2249.6	2261.0	2274.3	2287.6	2302.8	2316.1
19.5	2112.8	2116.6	2122.3	2133.7	2147.0	2164.1	2181.2	2200.2	2219.2	2238.2
22.5	1951.3	1953.2	1962.7	1977.9	1996.9	2019.7	2044.4	2071.0	2097.6	2122.3
25.5	1761.3	1765.1	1776.5	1795.5	1822.1	1852.5	1884.8	1919.0	1953.2	1985.5
29.0	1516.2	1520.0	1535.2	1559.9	1592.2	1630.2	1672.0	1715.7	1759.4	1801.2
33.0	1221.7	1227.4	1244.5	1273.0	1309.1	1354.7	1404.1	1457.3	1510.5	1559.9
37.5	910.1	917.7	934.8	963.3	1001.3	1046.9	1100.1	1157.1	1216.0	1271.1
42.5	632.7	636.5	651.7	676.4	708.7	750.5	796.1	849.3	904.4	957.6
47.5	435.1	438.9	450.3	467.4	492.1	524.4	560.5	602.3	647.9	691.6
55.0	262.2	264.1	269.8	279.3	292.6	311.6	332.5	357.2	383.8	412.3
65.0	148.2	148.2	150.1	155.8	159.6	167.2	176.7	186.2	199.5	210.9
75.0	76.0	76.0	77.9	79.8	81.7	83.6	87.4	91.2	95.0	98.8
85.0	20.9	20.9	20.9	20.9	20.9	20.9	22.8	22.8	22.8	24.7
90.0	39.9	39.9	39.9	38.0	36.1	34.2	32.3	30.4	26.6	24.7
95.0	93.1	93.1	93.1	91.2	91.2	89.3	87.4	85.5	83.6	79.8
100.0	167.2	167.2	167.2	169.1	169.1	169.1	171.0	172.9	174.8	178.6
105.0	285.0	286.9	288.8	290.7	294.5	300.2	305.9	311.6	317.3	323.0
110.0	450.3	450.3	452.2	456.0	461.7	467.4	475.0	480.7	488.3	497.8
115.0	647.9	649.8	651.7	655.5	661.2	668.8	678.3	689.7	699.2	708.7
120.0	885.4	887.3	891.1	894.9	902.5	910.1	917.7	927.2	938.6	950.0
125.0	1145.7	1145.7	1149.5	1153.3	1159.0	1166.6	1176.1	1187.5	1200.8	1212.2
130.0	1409.8	1409.8	1413.6	1417.4	1425.0	1434.5	1442.1	1451.6	1459.2	1466.8
135.0	1666.3	1666.3	1668.2	1672.0	1675.8	1679.6	1683.4	1689.1	1692.9	1698.6
140.0	1884.8	1884.8	1884.8	1886.7	1888.6	1892.4	1894.3	1896.2	1900.0	1901.9
145.0	2065.3	2065.3	2065.3	2067.2	2067.2	2069.1	2071.0	2071.0	2072.9	2074.8
150.0	2213.5	2213.5	2213.5	2215.4	2215.4	2215.4	2217.3	2217.3	2217.3	2219.2
155.0	2335.1	2335.1	2333.2	2333.2	2335.1	2335.1	2335.1	2335.1	2335.1	2337.0
160.0	2428.2	2430.1	2430.1	2430.1	2430.1	2430.1	2430.1	2430.1	2430.1	2432.0
165.0	2502.3	2502.3	2500.4	2502.3	2502.3	2502.3	2502.3	2502.3	2502.3	2502.3
170.0	2551.7	2551.7	2551.7	2551.7	2551.7	2551.7	2553.6	2553.6	2553.6	2553.6
175.0	2580.2	2580.2	2580.2	2580.2	2582.1	2582.1	2580.2	2580.2	2582.1	2580.2
180.0	2587.8	2587.8	2587.8	2587.8	2587.8	2587.8	2587.8	2587.8	2587.8	2587.8

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	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7
1.0	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7	2532.7
3.0	2528.9	2530.8	2530.8	2530.8	2530.8	2530.8	2530.8	2530.8	2530.8
5.0	2521.3	2521.3	2523.2	2523.2	2523.2	2525.1	2525.1	2525.1	2525.1
7.0	2506.1	2508.0	2509.9	2511.8	2513.7	2513.7	2515.6	2515.6	2515.6
9.0	2485.2	2487.1	2490.9	2494.7	2496.6	2498.5	2500.4	2500.4	2500.4
11.0	2456.7	2460.5	2466.2	2470.0	2473.8	2477.6	2479.5	2479.5	2481.4
13.0	2422.5	2428.2	2435.8	2441.5	2445.3	2449.1	2452.9	2454.8	2454.8
15.0	2378.8	2388.3	2397.8	2405.4	2411.1	2416.8	2418.7	2420.6	2422.5

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CANDELA TABULATION - (Cont.)

17.0	2329.4	2340.8	2352.2	2361.7	2369.3	2375.0	2378.8	2380.7	2382.6
19.5	2255.3	2270.5	2283.8	2295.2	2304.7	2312.3	2318.0	2319.9	2319.9
22.5	2145.1	2166.0	2183.1	2198.3	2209.7	2217.3	2223.0	2228.7	2228.7
25.5	2015.9	2040.6	2061.5	2078.6	2091.9	2103.3	2109.0	2112.8	2114.7
29.0	1837.3	1869.6	1896.2	1917.1	1932.3	1941.8	1949.4	1953.2	1953.2
33.0	1605.5	1645.4	1675.8	1698.6	1713.8	1725.2	1730.9	1734.7	1734.7
37.5	1322.4	1364.2	1398.4	1421.2	1438.3	1447.8	1453.5	1455.4	1457.3
42.5	1008.9	1050.7	1083.0	1105.8	1121.0	1132.4	1138.1	1140.0	1141.9
47.5	735.3	771.4	799.9	822.7	839.8	851.2	858.8	862.6	864.5
55.0	440.8	465.5	488.3	507.3	524.4	539.6	549.1	554.8	558.6
65.0	224.2	239.4	252.7	266.0	279.3	290.7	300.2	305.9	307.8
75.0	104.5	110.2	115.9	121.6	127.3	133.0	136.8	140.6	140.6
85.0	24.7	26.6	26.6	28.5	28.5	28.5	30.4	30.4	30.4
90.0	20.9	19.0	15.2	13.3	11.4	9.5	7.6	5.7	5.7
95.0	77.9	77.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
100.0	182.4	186.2	188.1	190.0	191.9	191.9	195.7	195.7	195.7
105.0	326.8	332.5	336.3	340.1	345.8	349.6	351.5	351.5	351.5
110.0	505.4	513.0	520.6	530.1	535.8	539.6	541.5	541.5	541.5
115.0	718.2	729.6	741.0	750.5	754.3	758.1	760.0	761.9	761.9
120.0	965.2	976.6	984.2	991.8	997.5	1001.3	1003.2	1005.1	1005.1
125.0	1223.6	1231.2	1238.8	1242.6	1248.3	1252.1	1252.1	1254.0	1255.9
130.0	1472.5	1478.2	1483.9	1487.7	1491.5	1493.4	1495.3	1495.3	1495.3
135.0	1702.4	1706.2	1708.1	1711.9	1713.8	1715.7	1715.7	1717.6	1717.6
140.0	1903.8	1905.7	1907.6	1909.5	1909.5	1911.4	1911.4	1913.3	1913.3
145.0	2074.8	2076.7	2076.7	2078.6	2078.6	2080.5	2080.5	2080.5	2080.5
150.0	2219.2	2219.2	2221.1	2221.1	2221.1	2223.0	2223.0	2223.0	2223.0
155.0	2337.0	2337.0	2337.0	2338.9	2338.9	2338.9	2338.9	2338.9	2338.9
160.0	2432.0	2432.0	2432.0	2432.0	2432.0	2432.0	2432.0	2432.0	2433.9
165.0	2502.3	2502.3	2502.3	2504.2	2504.2	2504.2	2502.3	2502.3	2504.2
170.0	2551.7	2553.6	2553.6	2553.6	2553.6	2553.6	2553.6	2553.6	2553.6
175.0	2580.2	2580.2	2580.2	2582.1	2580.2	2582.1	2582.1	2582.1	2582.1
180.0	2587.8	2587.8	2587.8	2587.8	2587.8	2587.8	2587.8	2587.8	2587.8

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	861.62	N.A.	7.90
0-30	1716.77	N.A.	15.70
0-40	2479.05	N.A.	22.70
0-60	3512.66	N.A.	32.20
0-80	3977.12	N.A.	36.40
0-90	4059.85	N.A.	37.20
10-90	3865.79	N.A.	35.40
20-40	1617.43	N.A.	14.80
20-50	2304.74	N.A.	21.10
40-70	1331.97	N.A.	12.20
60-80	464.46	N.A.	4.30
70-80	166.10	N.A.	1.50
80-90	82.73	N.A.	0.80
90-110	448.42	N.A.	4.10
90-120	1156.48	N.A.	10.60
90-130	2233.92	N.A.	20.50
90-150	4831.96	N.A.	44.20
90-180	6860.37	N.A.	62.80
110-180	6411.94	N.A.	58.70
0-180	10920.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	194.06
10-20	667.55
20-30	855.16
30-40	762.28
40-50	687.30
50-60	346.31
60-70	298.36
70-80	166.10
80-90	82.73
90-100	100.62
100-110	347.80
110-120	708.06
120-130	1077.44
130-140	1303.04
140-150	1295.00
150-160	1076.47
160-170	706.49
170-180	245.45

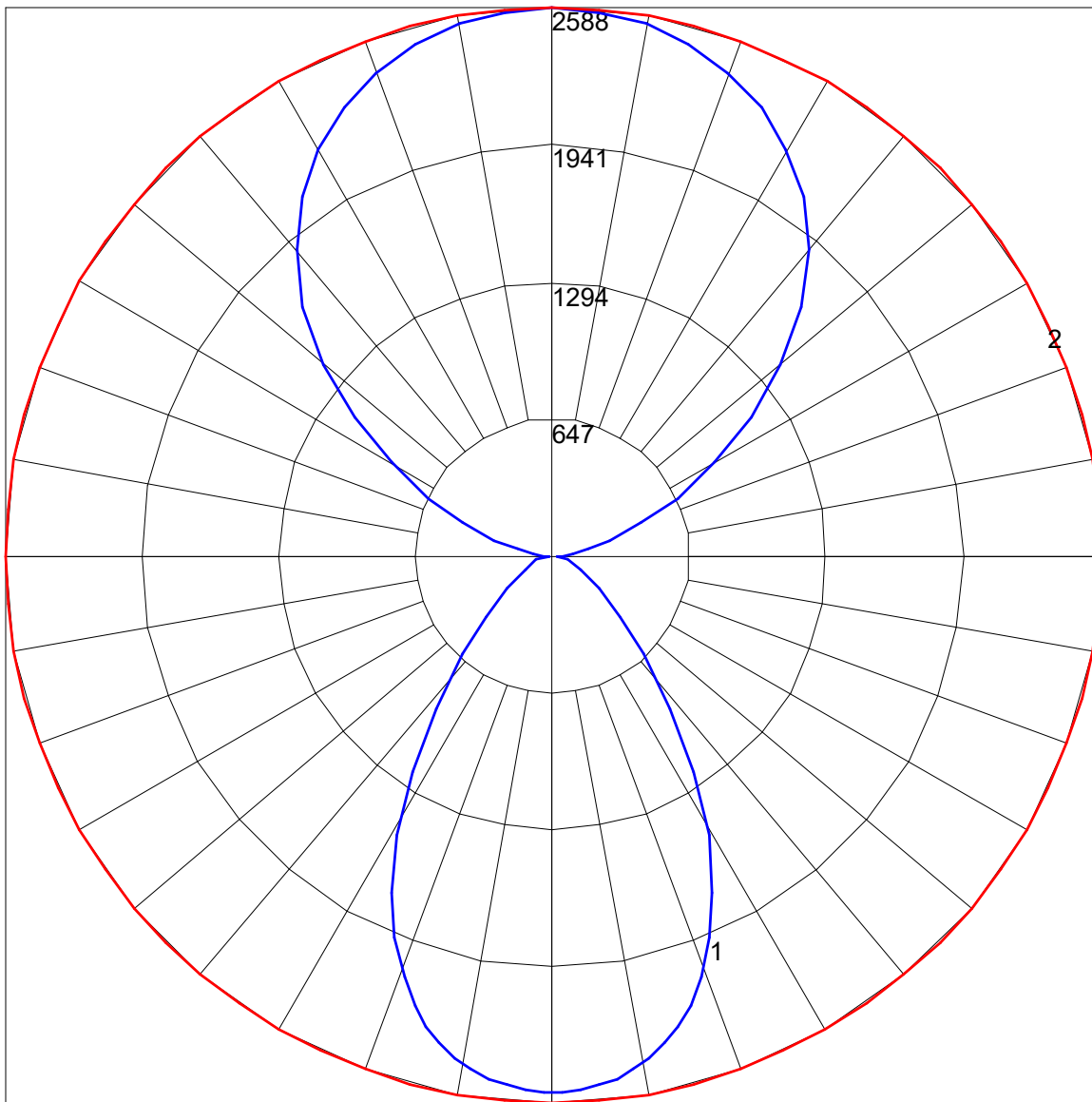
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37
1	95	91	88	84	86	83	80	77	67	65	63	53	52	50	40	39	38	32
2	87	81	75	70	79	73	69	64	60	56	54	47	45	43	36	35	33	28
3	80	71	65	59	73	65	59	55	53	49	46	43	40	37	33	31	29	25
4	74	64	56	51	67	58	52	47	48	43	40	38	35	33	30	28	26	22
5	68	57	50	44	62	52	46	41	43	38	35	35	32	29	27	25	23	20
6	63	51	44	38	57	47	41	36	39	34	31	32	28	26	25	23	21	18
7	58	47	39	34	53	43	36	32	36	31	27	29	26	23	23	21	19	16
8	54	43	35	30	49	39	33	28	33	28	25	27	23	21	21	19	17	15
9	50	39	32	27	46	36	30	25	30	25	22	25	21	19	20	17	16	13
10	47	36	29	24	43	33	27	23	28	23	20	23	20	17	18	16	14	12

POLAR GRAPH



Maximum Candela = 2587.8 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.)