

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	96	99	101	101
Total Lumens, 4' rail length (1219mm)	10266	10590	10807	10807
Lumens per foot (305mm)	2567	2648	2702	2702
Lumens per foot UP (305mm)	1768	1824	1861	1861
Lumens per foot DOWN (305mm)	798	823	840	840
Input Power (W), 4' rail length (1219mm)	107.7	107.7	107.7	107.7
Watts per foot (305mm)	27.0	27.0	27.0	27.0
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_HO_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-HO-35-U1S1-AL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 CRI, zipper board, symmetric lens up/40° symmetric lens down,

[MORE] 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	10787
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
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	4338	7488	13818
55	2981	4712	9419
65	2415	3416	6637
75	1990	2542	4769
85	1256	1578	2729

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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	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0
1.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0
3.0	2593.8	2593.8	2593.8	2593.8	2593.8	2596.0	2596.0	2596.0	2598.2	2598.2
5.0	2558.6	2558.6	2560.8	2560.8	2563.0	2565.2	2567.4	2571.8	2574.0	2578.4
7.0	2501.4	2501.4	2503.6	2505.8	2510.2	2514.6	2521.2	2525.6	2532.2	2541.0
9.0	2424.4	2424.4	2428.8	2433.2	2439.8	2448.6	2457.4	2468.4	2479.4	2490.4
11.0	2327.6	2329.8	2334.2	2340.8	2351.8	2362.8	2378.2	2393.6	2411.2	2428.8
13.0	2211.0	2213.2	2219.8	2230.8	2246.2	2263.8	2283.6	2305.6	2327.6	2351.8
15.0	2081.2	2083.4	2092.2	2105.4	2123.0	2147.2	2173.6	2202.2	2233.0	2266.0
17.0	1933.8	1938.2	1949.2	1966.8	1988.8	2017.4	2050.4	2085.6	2125.2	2164.8
19.5	1738.0	1742.4	1755.6	1775.4	1804.0	1841.4	1881.0	1927.2	1975.6	2026.2
22.5	1491.6	1496.0	1511.4	1535.6	1570.8	1612.6	1663.2	1718.2	1777.6	1841.4
25.5	1247.4	1254.0	1269.4	1295.8	1335.4	1381.6	1436.6	1500.4	1570.8	1641.2
29.0	985.6	990.0	1007.6	1034.0	1073.6	1122.0	1181.4	1247.4	1322.2	1403.6
33.0	734.8	741.4	756.8	781.0	816.2	860.2	915.2	981.2	1056.0	1135.2
37.5	525.8	528.0	541.2	561.0	589.6	627.0	673.2	730.4	796.4	866.8
42.5	367.4	369.6	378.4	393.8	413.6	442.2	477.4	519.2	569.8	627.0
47.5	268.4	270.6	275.0	286.0	299.2	319.0	343.2	374.0	409.2	451.0
55.0	182.6	182.6	184.8	191.4	198.0	209.0	222.2	237.6	259.6	281.6
65.0	114.4	114.4	116.6	116.6	121.0	125.4	129.8	136.4	145.2	156.2
75.0	63.8	63.8	63.8	66.0	66.0	68.2	68.2	70.4	74.8	77.0
85.0	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	22.0
90.0	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
95.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
100.0	158.4	158.4	160.6	162.8	165.0	167.2	171.6	176.0	182.6	187.0
105.0	299.2	299.2	301.4	305.8	310.2	316.8	323.4	330.0	336.6	345.4
110.0	475.2	477.4	479.6	484.0	490.6	497.2	506.0	514.8	523.6	532.4
115.0	686.4	686.4	690.8	695.2	701.8	710.6	719.4	730.4	743.6	756.8
120.0	928.4	928.4	932.8	939.4	948.2	957.0	970.2	985.6	998.8	1012.0
125.0	1205.6	1205.6	1210.0	1216.6	1225.4	1234.2	1245.2	1258.4	1269.4	1280.4
130.0	1491.6	1493.8	1496.0	1500.4	1507.0	1513.6	1522.4	1533.4	1544.4	1553.2
135.0	1766.6	1766.6	1768.8	1773.2	1777.6	1784.2	1793.0	1799.6	1808.4	1819.4
140.0	2017.4	2017.4	2019.6	2021.8	2026.2	2032.8	2039.4	2046.0	2052.6	2061.4
145.0	2239.6	2239.6	2241.8	2244.0	2246.2	2250.6	2255.0	2261.6	2266.0	2270.4
150.0	2428.8	2428.8	2428.8	2431.0	2433.2	2435.4	2437.6	2442.0	2444.2	2446.4
155.0	2582.8	2582.8	2582.8	2582.8	2585.0	2585.0	2587.2	2589.4	2589.4	2591.6
160.0	2699.4	2699.4	2699.4	2701.6	2699.4	2701.6	2701.6	2701.6	2701.6	2701.6
165.0	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4
170.0	2844.6	2846.8	2846.8	2846.8	2846.8	2844.6	2846.8	2846.8	2846.8	2846.8
175.0	2879.8	2879.8	2879.8	2879.8	2879.8	2879.8	2879.8	2879.8	2879.8	2879.8
180.0	2888.6	2888.6	2888.6	2888.6	2888.6	2888.6	2888.6	2888.6	2888.6	2888.6

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	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0
1.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0
3.0	2600.4	2600.4	2600.4	2602.6	2602.6	2602.6	2602.6	2604.8	2604.8
5.0	2580.6	2582.8	2587.2	2587.2	2591.6	2591.6	2593.8	2593.8	2596.0
7.0	2547.6	2554.2	2558.6	2565.2	2569.6	2574.0	2576.2	2576.2	2578.4
9.0	2501.4	2512.4	2523.4	2532.2	2541.0	2547.6	2552.0	2556.4	2556.4
11.0	2446.4	2461.8	2477.2	2492.6	2503.6	2514.6	2521.2	2525.6	2527.8
13.0	2376.0	2400.2	2422.2	2442.0	2459.6	2472.8	2483.8	2490.4	2492.6
15.0	2296.8	2327.6	2358.4	2382.6	2406.8	2424.4	2437.6	2446.4	2448.6

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CANDELA TABULATION - (Cont.)

17.0	2206.6	2246.2	2281.4	2314.4	2343.0	2367.2	2384.8	2393.6	2398.0
19.5	2079.0	2127.4	2173.6	2217.6	2252.8	2281.4	2303.4	2316.6	2321.0
22.5	1905.2	1966.8	2026.2	2079.0	2125.2	2160.4	2189.0	2204.4	2211.0
25.5	1718.2	1790.8	1856.8	1920.6	1973.4	2017.4	2050.4	2070.2	2074.6
29.0	1485.0	1566.4	1643.4	1716.0	1777.6	1828.2	1865.6	1887.6	1894.2
33.0	1223.2	1306.8	1390.4	1465.2	1531.2	1588.4	1628.0	1652.2	1658.8
37.5	948.2	1027.4	1108.8	1183.6	1249.6	1304.6	1344.2	1370.6	1379.4
42.5	690.8	759.0	829.4	895.4	954.8	1005.4	1045.0	1069.2	1075.8
47.5	499.4	552.2	605.0	660.0	708.4	752.4	785.4	807.4	814.0
55.0	310.2	343.2	376.2	411.4	444.4	475.2	499.4	514.8	523.6
65.0	167.2	182.6	198.0	215.6	231.0	248.6	261.8	270.6	272.8
75.0	81.4	85.8	92.4	99.0	105.6	110.0	116.6	118.8	121.0
85.0	22.0	22.0	22.0	24.2	24.2	24.2	24.2	24.2	24.2
90.0	6.6	6.6	4.4	4.4	4.4	4.4	4.4	4.4	4.4
95.0	70.4	70.4	72.6	74.8	77.0	77.0	79.2	83.6	83.6
100.0	191.4	198.0	200.2	204.6	209.0	213.4	217.8	217.8	220.0
105.0	352.0	358.6	365.2	371.8	378.4	385.0	387.2	389.4	389.4
110.0	543.4	554.4	565.4	574.2	580.8	587.4	591.8	591.8	594.0
115.0	772.2	783.2	792.0	803.0	809.6	818.4	822.8	825.0	825.0
120.0	1023.0	1036.2	1047.2	1056.0	1064.8	1071.4	1078.0	1080.2	1080.2
125.0	1291.4	1304.6	1315.6	1326.6	1335.4	1339.8	1344.2	1346.4	1346.4
130.0	1564.2	1575.2	1586.2	1595.0	1601.6	1608.2	1610.4	1612.6	1612.6
135.0	1828.2	1837.0	1845.8	1852.4	1856.8	1861.2	1863.4	1865.6	1865.6
140.0	2068.0	2074.6	2081.2	2085.6	2087.8	2090.0	2092.2	2092.2	2094.4
145.0	2277.0	2279.2	2283.6	2285.8	2288.0	2288.0	2290.2	2290.2	2290.2
150.0	2450.8	2453.0	2453.0	2455.2	2455.2	2457.4	2457.4	2457.4	2459.6
155.0	2591.6	2593.8	2593.8	2593.8	2596.0	2596.0	2596.0	2596.0	2596.0
160.0	2703.8	2703.8	2703.8	2703.8	2706.0	2706.0	2706.0	2706.0	2706.0
165.0	2789.6	2789.6	2789.6	2789.6	2789.6	2789.6	2789.6	2789.6	2789.6
170.0	2846.8	2846.8	2846.8	2846.8	2846.8	2846.8	2846.8	2846.8	2846.8
175.0	2879.8	2879.8	2879.8	2879.8	2879.8	2879.8	2879.8	2879.8	2879.8
180.0	2888.6	2888.6	2888.6	2888.6	2888.6	2888.6	2888.6	2888.6	2888.6

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	836.53	N.A.	7.80
0-30	1569.06	N.A.	14.50
0-40	2157.59	N.A.	20.00
0-60	2924.87	N.A.	27.10
0-80	3290.35	N.A.	30.50
0-90	3355.08	N.A.	31.10
10-90	3157.65	N.A.	29.30
20-40	1321.06	N.A.	12.20
20-50	1827.8	N.A.	16.90
40-70	999.80	N.A.	9.30
60-80	365.48	N.A.	3.40
70-80	132.96	N.A.	1.20
80-90	64.73	N.A.	0.60
90-110	463.92	N.A.	4.30
90-120	1219.74	N.A.	11.30
90-130	2364.28	N.A.	21.90
90-150	5178.91	N.A.	48.00
90-180	7431.88	N.A.	68.90
110-180	6967.96	N.A.	64.60
0-180	10786.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	197.42
10-20	639.10
20-30	732.53
30-40	588.52
40-50	506.74
50-60	260.54
60-70	232.52
70-80	132.96
80-90	64.73
90-100	91.74
100-110	372.18
110-120	755.82
120-130	1144.54
130-140	1398.87
140-150	1415.76
150-160	1192.33
160-170	786.82
170-180	273.81

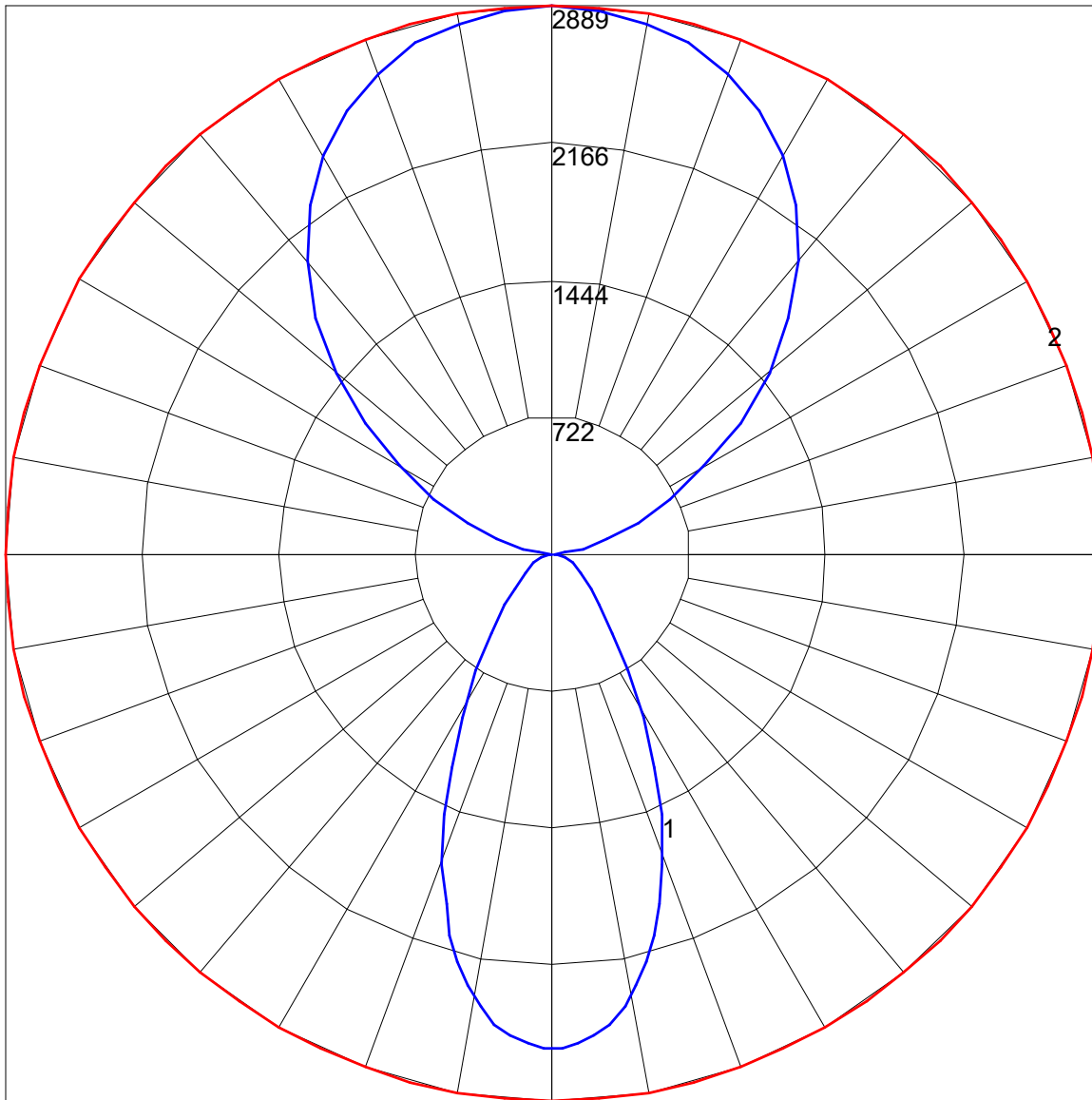
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	33	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 = 2888.6 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.)