



IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	120	123	126	126
Total Lumens, 4' rail length (1219mm)	12824	13229	13499	13499
Lumens per foot (305mm)	1877	1936	1975	1975
Lumens per foot UP (305mm)	1329	1371	1399	1399
Lumens per foot DOWN (305mm)	3206	3307	3375	3375
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_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-HO-35-U2S7-AL

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

[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	13474
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	107.66
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	16693	17970	16922
55	10523	12333	12585
65	6780	8373	9741
75	4530	5738	7544
85	2233	2840	4713

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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	2901.8	2901.8	2901.8	2901.8	2901.8	2901.8	2901.8	2901.8	2901.8	2901.8
1.0	2901.8	2901.8	2901.8	2901.8	2901.8	2901.8	2901.8	2901.8	2901.8	2901.8
3.0	2899.6	2899.6	2899.6	2899.6	2899.6	2899.6	2899.6	2899.6	2897.4	2897.4
5.0	2890.8	2890.8	2890.8	2890.8	2890.8	2890.8	2890.8	2890.8	2890.8	2890.8
7.0	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2877.6	2875.4
9.0	2860.0	2857.8	2857.8	2857.8	2857.8	2857.8	2857.8	2857.8	2855.6	2855.6
11.0	2835.8	2835.8	2835.8	2835.8	2835.8	2833.6	2833.6	2833.6	2831.4	2831.4
13.0	2805.0	2805.0	2802.8	2802.8	2805.0	2802.8	2802.8	2800.6	2800.6	2798.4
15.0	2769.8	2767.6	2767.6	2767.6	2767.6	2767.6	2765.4	2763.2	2763.2	2761.0
17.0	2725.8	2723.6	2723.6	2723.6	2723.6	2723.6	2721.4	2719.2	2717.0	2712.6
19.5	2659.8	2659.8	2659.8	2659.8	2659.8	2659.8	2657.6	2655.4	2651.0	2646.6
22.5	2563.0	2563.0	2565.2	2565.2	2565.2	2565.2	2563.0	2560.8	2554.2	2547.6
25.5	2446.4	2446.4	2446.4	2448.6	2450.8	2450.8	2450.8	2446.4	2439.8	2428.8
29.0	2279.2	2279.2	2283.6	2288.0	2290.2	2292.4	2292.4	2288.0	2281.4	2268.2
33.0	2050.4	2052.6	2057.0	2063.6	2070.2	2076.8	2079.0	2074.6	2065.8	2052.6
37.5	1751.2	1755.6	1762.2	1773.2	1784.2	1795.2	1799.6	1799.6	1793.0	1777.6
42.5	1394.8	1397.0	1408.0	1421.2	1438.8	1454.2	1465.2	1469.6	1465.2	1452.0
47.5	1051.6	1056.0	1067.0	1082.4	1102.2	1119.8	1133.0	1141.8	1144.0	1135.2
55.0	644.6	646.8	655.6	668.8	686.4	704.0	717.2	728.2	734.8	737.0
65.0	321.2	321.2	327.8	334.4	343.2	354.2	363.0	371.8	378.4	382.8
75.0	145.2	145.2	147.4	151.8	154.0	158.4	162.8	167.2	171.6	173.8
85.0	35.2	35.2	35.2	37.4	37.4	37.4	39.6	39.6	39.6	39.6
90.0	48.4	48.4	46.2	46.2	44.0	41.8	37.4	35.2	33.0	28.6
95.0	107.8	107.8	107.8	105.6	105.6	103.4	101.2	99.0	99.0	96.8
100.0	202.4	202.4	204.6	204.6	204.6	206.8	209.0	211.2	213.4	215.6
105.0	345.4	347.6	347.6	349.8	354.2	358.6	363.0	367.4	371.8	376.2
110.0	530.2	532.4	534.6	536.8	541.2	547.8	552.2	556.6	563.2	572.0
115.0	752.4	752.4	754.6	759.0	763.4	770.0	778.8	789.8	803.0	814.0
120.0	1018.6	1018.6	1023.0	1027.4	1036.2	1045.0	1056.0	1067.0	1078.0	1091.2
125.0	1317.8	1317.8	1322.2	1326.6	1333.2	1342.0	1350.8	1361.8	1372.8	1386.0
130.0	1617.0	1617.0	1621.4	1625.8	1630.2	1639.0	1647.8	1658.8	1669.8	1680.8
135.0	1903.0	1903.0	1905.2	1909.6	1916.2	1922.8	1929.4	1936.0	1942.6	1947.0
140.0	2160.4	2160.4	2160.4	2164.8	2167.0	2169.2	2171.4	2175.8	2178.0	2182.4
145.0	2369.4	2369.4	2371.6	2371.6	2373.8	2373.8	2376.0	2378.2	2380.4	2380.4
150.0	2543.2	2543.2	2543.2	2543.2	2543.2	2545.4	2545.4	2547.6	2547.6	2547.6
155.0	2681.8	2681.8	2681.8	2681.8	2681.8	2681.8	2681.8	2684.0	2684.0	2684.0
160.0	2791.8	2791.8	2791.8	2791.8	2791.8	2791.8	2791.8	2791.8	2791.8	2791.8
165.0	2875.4	2873.2	2875.4	2875.4	2875.4	2875.4	2875.4	2875.4	2875.4	2875.4
170.0	2932.6	2932.6	2932.6	2932.6	2932.6	2932.6	2932.6	2932.6	2932.6	2932.6
175.0	2965.6	2965.6	2965.6	2965.6	2965.6	2965.6	2965.6	2965.6	2965.6	2965.6
180.0	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4

Vert. Angles **Horizontal 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	2901.8	2901.8	2901.8	2901.8	2901.8	2901.8	2901.8	2901.8	2901.8
1.0	2901.8	2901.8	2901.8	2901.8	2901.8	2901.8	2901.8	2901.8	2901.8
3.0	2899.6	2897.4	2897.4	2899.6	2897.4	2899.6	2897.4	2897.4	2899.6
5.0	2888.6	2888.6	2888.6	2888.6	2888.6	2888.6	2888.6	2888.6	2888.6
7.0	2877.6	2875.4	2875.4	2875.4	2875.4	2873.2	2873.2	2873.2	2873.2
9.0	2855.6	2855.6	2853.4	2853.4	2853.4	2851.2	2853.4	2851.2	2851.2
11.0	2829.2	2829.2	2827.0	2824.8	2824.8	2824.8	2822.6	2822.6	2822.6
13.0	2796.2	2794.0	2791.8	2789.6	2787.4	2787.4	2785.2	2785.2	2785.2
15.0	2756.6	2754.4	2752.2	2747.8	2745.6	2743.4	2741.2	2739.0	2739.0

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CANDELA TABULATION - (Cont.)

17.0	2708.2	2706.0	2701.6	2697.2	2692.8	2688.4	2686.2	2684.0	2684.0
19.5	2640.0	2633.4	2626.8	2620.2	2613.6	2609.2	2604.8	2602.6	2602.6
22.5	2538.8	2530.0	2519.0	2508.0	2499.2	2492.6	2486.0	2481.6	2481.6
25.5	2417.8	2404.6	2391.4	2376.0	2362.8	2351.8	2343.0	2338.6	2336.4
29.0	2252.8	2235.2	2215.4	2197.8	2180.2	2164.8	2153.8	2147.2	2145.0
33.0	2032.8	2010.8	1986.6	1962.4	1940.4	1922.8	1907.4	1898.6	1896.4
37.5	1755.6	1731.4	1705.0	1678.6	1652.2	1632.4	1617.0	1608.2	1603.8
42.5	1432.2	1410.2	1383.8	1359.6	1337.6	1320.0	1304.6	1295.8	1293.6
47.5	1122.0	1106.6	1086.8	1069.2	1053.8	1040.6	1029.6	1023.0	1020.8
55.0	734.8	728.2	723.8	717.2	712.8	708.4	704.0	701.8	699.6
65.0	387.2	389.4	393.8	396.0	398.2	398.2	400.4	400.4	400.4
75.0	178.2	180.4	182.6	184.8	187.0	189.2	189.2	189.2	191.4
85.0	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
90.0	26.4	22.0	19.8	17.6	15.4	11.0	11.0	8.8	8.8
95.0	94.6	92.4	92.4	92.4	92.4	90.2	90.2	90.2	90.2
100.0	217.8	220.0	220.0	220.0	222.2	224.4	226.6	228.8	226.6
105.0	378.4	382.8	387.2	393.8	398.2	402.6	404.8	404.8	404.8
110.0	580.8	591.8	598.4	607.2	616.0	620.4	622.6	622.6	622.6
115.0	827.2	838.2	849.2	860.2	866.8	871.2	873.4	873.4	875.6
120.0	1104.4	1117.6	1130.8	1137.4	1144.0	1148.4	1150.6	1152.8	1152.8
125.0	1399.2	1412.4	1419.0	1425.6	1432.2	1434.4	1436.6	1438.8	1438.8
130.0	1689.6	1696.2	1702.8	1707.2	1709.4	1711.6	1713.8	1713.8	1716.0
135.0	1951.4	1955.8	1960.2	1964.6	1964.6	1966.8	1969.0	1969.0	1969.0
140.0	2184.6	2186.8	2189.0	2191.2	2193.4	2193.4	2193.4	2195.6	2195.6
145.0	2382.6	2384.8	2384.8	2384.8	2387.0	2387.0	2387.0	2387.0	2389.2
150.0	2549.8	2549.8	2549.8	2549.8	2549.8	2552.0	2552.0	2552.0	2552.0
155.0	2684.0	2684.0	2684.0	2684.0	2686.2	2686.2	2686.2	2686.2	2686.2
160.0	2791.8	2794.0	2794.0	2794.0	2794.0	2794.0	2794.0	2794.0	2794.0
165.0	2875.4	2875.4	2875.4	2875.4	2875.4	2875.4	2875.4	2875.4	2877.6
170.0	2932.6	2932.6	2932.6	2932.6	2932.6	2932.6	2932.6	2932.6	2932.6
175.0	2965.6	2965.6	2965.6	2965.6	2965.6	2965.6	2965.6	2965.6	2965.6
180.0	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4	2974.4

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1001.4	N.A.	7.40
0-30	2045.72	N.A.	15.20
0-40	3058.52	N.A.	22.70
0-60	4664.33	N.A.	34.60
0-80	5454.68	N.A.	40.50
0-90	5587.17	N.A.	41.50
10-90	5364.36	N.A.	39.80
20-40	2057.12	N.A.	15.30
20-50	3089.07	N.A.	22.90
40-70	2116.5	N.A.	15.70
60-80	790.35	N.A.	5.90
70-80	279.66	N.A.	2.10
80-90	132.49	N.A.	1.00
90-110	526.51	N.A.	3.90
90-120	1341.51	N.A.	10.00
90-130	2577.28	N.A.	19.10
90-150	5557.01	N.A.	41.20
90-180	7887.1	N.A.	58.50
110-180	7360.58	N.A.	54.60
0-180	13474.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	222.81
10-20	778.58
20-30	1044.32
30-40	1012.8
40-50	1031.95
50-60	573.87
60-70	510.69
70-80	279.66
80-90	132.49
90-100	119.64
100-110	406.87
110-120	815.00
120-130	1235.77
130-140	1493.35
140-150	1486.39
150-160	1236.43
160-170	811.65
170-180	282.01

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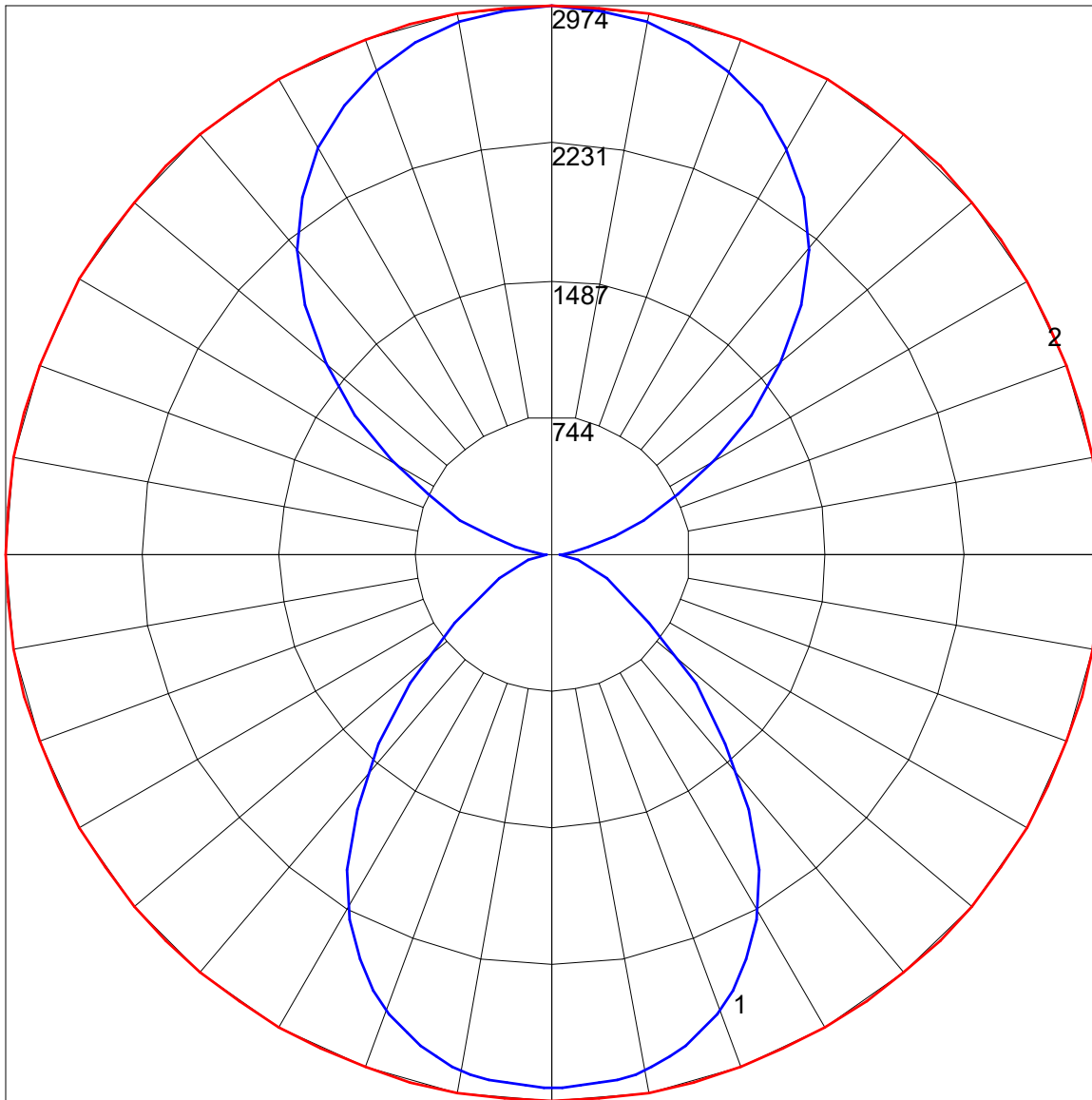
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 2974.4 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.)