

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric, up | Soft Diffuse, down | 80 CRI | HO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-35-U1D2-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	120	124	126	126
Total Lumens, 4' rail length (1219mm)	12876	13283	13554	13554
Lumens per foot (305mm)	3219	3321	3388	3388
Lumens per foot UP (305mm)	1815	1872	1910	1910
Lumens per foot DOWN (305mm)	1404	1449	1478	1478
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

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_HO_35_U1D2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911551 (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-U1D2-AL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 CRI, zipper board, symmetric lens up/soft diffuse 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	13529
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
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	18645	18887	19817
55	17526	17855	19115
65	15882	16312	17983
75	13177	13654	15868
85	7817	8364	12156

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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	2028.4	2028.4	2028.4	2028.4	2028.4	2028.4	2028.4	2028.4	2028.4	2028.4
5	2021.8	2021.8	2021.8	2021.8	2021.8	2021.8	2024.0	2021.8	2021.8	2021.8
10	1995.4	1997.6	1997.6	1995.4	1995.4	1995.4	1995.4	1995.4	1995.4	1995.4
15	1953.6	1953.6	1953.6	1953.6	1953.6	1953.6	1953.6	1951.4	1953.6	1953.6
20	1892.0	1892.0	1892.0	1892.0	1892.0	1892.0	1892.0	1889.8	1889.8	1889.8
25	1815.0	1815.0	1815.0	1815.0	1815.0	1815.0	1812.8	1812.8	1812.8	1812.8
30	1722.6	1722.6	1722.6	1722.6	1722.6	1720.4	1720.4	1720.4	1720.4	1718.2
35	1614.8	1617.0	1617.0	1614.8	1614.8	1614.8	1614.8	1614.8	1612.6	1612.6
40	1496.0	1496.0	1496.0	1496.0	1496.0	1496.0	1493.8	1493.8	1493.8	1491.6
45	1366.2	1366.2	1366.2	1364.0	1364.0	1364.0	1364.0	1361.8	1361.8	1359.6
50	1223.2	1223.2	1223.2	1223.2	1223.2	1221.0	1221.0	1218.8	1218.8	1218.8
55	1073.6	1073.6	1073.6	1073.6	1073.6	1071.4	1071.4	1069.2	1069.2	1067.0
60	915.2	915.2	915.2	915.2	915.2	913.0	913.0	913.0	910.8	910.8
65	752.4	752.4	752.4	752.4	752.4	750.2	750.2	748.0	748.0	745.8
70	587.4	587.4	587.4	585.2	585.2	585.2	583.0	583.0	580.8	580.8
75	422.4	422.4	422.4	420.2	420.2	420.2	418.0	418.0	415.8	413.6
80	264.0	264.0	264.0	264.0	261.8	261.8	259.6	259.6	257.4	255.2
85	123.2	123.2	123.2	123.2	123.2	121.0	121.0	121.0	118.8	116.6
90	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
95	81.4	81.4	81.4	81.4	83.6	83.6	83.6	83.6	83.6	83.6
100	184.8	187.0	187.0	187.0	189.2	191.4	191.4	193.6	195.8	195.8
105	310.2	310.2	312.4	314.6	316.8	319.0	321.2	325.6	327.8	334.4
110	457.6	459.8	462.0	466.4	470.8	479.6	488.4	497.2	506.0	517.0
115	660.0	662.2	664.4	671.0	677.6	688.6	699.6	715.0	734.8	759.0
120	902.0	902.0	908.6	917.4	930.6	946.0	965.8	987.8	1009.8	1031.8
125	1201.2	1203.4	1210.0	1218.8	1232.0	1249.6	1265.0	1282.6	1298.0	1313.4
130	1520.2	1520.2	1524.6	1531.2	1540.0	1551.0	1562.0	1573.0	1586.2	1597.2
135	1815.0	1817.2	1819.4	1823.8	1830.4	1837.0	1845.8	1854.6	1861.2	1870.0
140	2083.4	2083.4	2085.6	2087.8	2092.2	2096.6	2103.2	2109.8	2116.4	2120.8
145	2314.4	2316.6	2316.6	2318.8	2321.0	2325.4	2327.6	2332.0	2336.4	2340.8
150	2510.2	2510.2	2512.4	2512.4	2514.6	2516.8	2519.0	2521.2	2523.4	2525.6
155	2668.6	2668.6	2668.6	2670.8	2670.8	2673.0	2673.0	2675.2	2675.2	2677.4
160	2794.0	2794.0	2794.0	2794.0	2794.0	2794.0	2796.2	2796.2	2796.2	2798.4
165	2886.4	2886.4	2886.4	2886.4	2886.4	2886.4	2886.4	2886.4	2886.4	2888.6
170	2948.0	2948.0	2948.0	2948.0	2948.0	2948.0	2948.0	2950.2	2950.2	2948.0
175	2983.2	2983.2	2983.2	2983.2	2983.2	2983.2	2983.2	2983.2	2983.2	2983.2
180	2992.0	2992.0	2992.0	2992.0	2992.0	2992.0	2992.0	2992.0	2992.0	2992.0

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	2028.4	2028.4	2028.4	2028.4	2028.4	2028.4	2028.4	2028.4	2028.4
5	2021.8	2021.8	2021.8	2021.8	2021.8	2021.8	2021.8	2021.8	2021.8
10	1995.4	1995.4	1995.4	1995.4	1995.4	1995.4	1995.4	1995.4	1995.4
15	1953.6	1951.4	1951.4	1951.4	1951.4	1949.2	1951.4	1951.4	1951.4
20	1889.8	1889.8	1889.8	1889.8	1889.8	1887.6	1887.6	1887.6	1887.6
25	1812.8	1810.6	1810.6	1810.6	1810.6	1810.6	1810.6	1810.6	1808.4
30	1718.2	1718.2	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0	1716.0
35	1610.4	1610.4	1608.2	1608.2	1608.2	1608.2	1608.2	1608.2	1608.2
40	1491.6	1489.4	1489.4	1489.4	1487.2	1487.2	1487.2	1487.2	1487.2
45	1359.6	1357.4	1357.4	1357.4	1355.2	1355.2	1355.2	1355.2	1355.2
50	1216.6	1216.6	1216.6	1214.4	1214.4	1214.4	1212.2	1212.2	1212.2
55	1067.0	1067.0	1067.0	1064.8	1064.8	1062.6	1062.6	1062.6	1062.6
60	908.6	908.6	906.4	906.4	904.2	904.2	904.2	904.2	904.2

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CANDELA TABULATION - (Cont.)

65	745.8	743.6	743.6	741.4	741.4	741.4	739.2	739.2	739.2
70	578.6	576.4	574.2	574.2	572.0	572.0	572.0	569.8	569.8
75	411.4	411.4	409.2	407.0	404.8	404.8	402.6	402.6	402.6
80	255.2	253.0	250.8	248.6	246.4	244.2	244.2	242.0	242.0
85	116.6	114.4	112.2	112.2	110.0	110.0	107.8	107.8	107.8
90	11.0	11.0	11.0	11.0	8.8	8.8	8.8	8.8	8.8
95	83.6	83.6	83.6	81.4	81.4	79.2	81.4	85.8	85.8
100	195.8	195.8	198.0	200.2	206.8	220.0	224.4	224.4	224.4
105	343.2	349.8	360.8	378.4	391.6	398.2	400.4	400.4	400.4
110	534.6	556.6	576.4	591.8	598.4	605.0	607.2	609.4	609.4
115	781.0	800.8	814.0	825.0	831.6	838.2	840.4	842.6	842.6
120	1047.2	1062.6	1073.6	1082.4	1091.2	1095.6	1100.0	1102.2	1102.2
125	1326.6	1337.6	1348.6	1357.4	1364.0	1370.6	1372.8	1375.0	1377.2
130	1608.2	1617.0	1625.8	1634.6	1639.0	1645.6	1647.8	1650.0	1652.2
135	1878.8	1887.6	1894.2	1900.8	1905.2	1909.6	1911.8	1914.0	1914.0
140	2127.4	2134.0	2138.4	2142.8	2147.2	2149.4	2151.6	2151.6	2153.8
145	2345.2	2349.6	2351.8	2356.2	2358.4	2360.6	2360.6	2360.6	2360.6
150	2530.0	2532.2	2534.4	2534.4	2536.6	2538.8	2538.8	2538.8	2538.8
155	2679.6	2679.6	2681.8	2681.8	2684.0	2684.0	2684.0	2686.2	2684.0
160	2798.4	2798.4	2798.4	2800.6	2800.6	2800.6	2800.6	2800.6	2800.6
165	2888.6	2888.6	2888.6	2888.6	2888.6	2888.6	2888.6	2888.6	2888.6
170	2950.2	2950.2	2950.2	2950.2	2950.2	2950.2	2950.2	2950.2	2950.2
175	2983.2	2983.2	2983.2	2983.2	2983.2	2983.2	2983.2	2985.4	2985.4
180	2992.0	2992.0	2992.0	2992.0	2992.0	2992.0	2992.0	2992.0	2992.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	743.02	N.A.	5.50
0-30	1578.28	N.A.	11.70
0-40	2586.62	N.A.	19.10
0-60	4590.11	N.A.	33.90
0-80	5766.45	N.A.	42.60
0-90	5902.1	N.A.	43.60
10-90	5709.96	N.A.	42.20
20-40	1843.6	N.A.	13.60
20-50	2892.69	N.A.	21.40
40-70	2741.73	N.A.	20.30
60-80	1176.34	N.A.	8.70
70-80	438.10	N.A.	3.20
80-90	135.65	N.A.	1.00
90-110	478.29	N.A.	3.50
90-120	1234.25	N.A.	9.10
90-130	2398.17	N.A.	17.70
90-150	5296.08	N.A.	39.10
90-180	7627.13	N.A.	56.40
110-180	7148.83	N.A.	52.80
0-180	13529.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	192.14
10-20	550.88
20-30	835.25
30-40	1008.34
40-50	1049.1
50-60	954.39
60-70	738.24
70-80	438.10
80-90	135.65
90-100	102.17
100-110	376.13
110-120	755.96
120-130	1163.92
130-140	1437.38
140-150	1460.53
150-160	1232.63
160-170	814.76
170-180	283.66

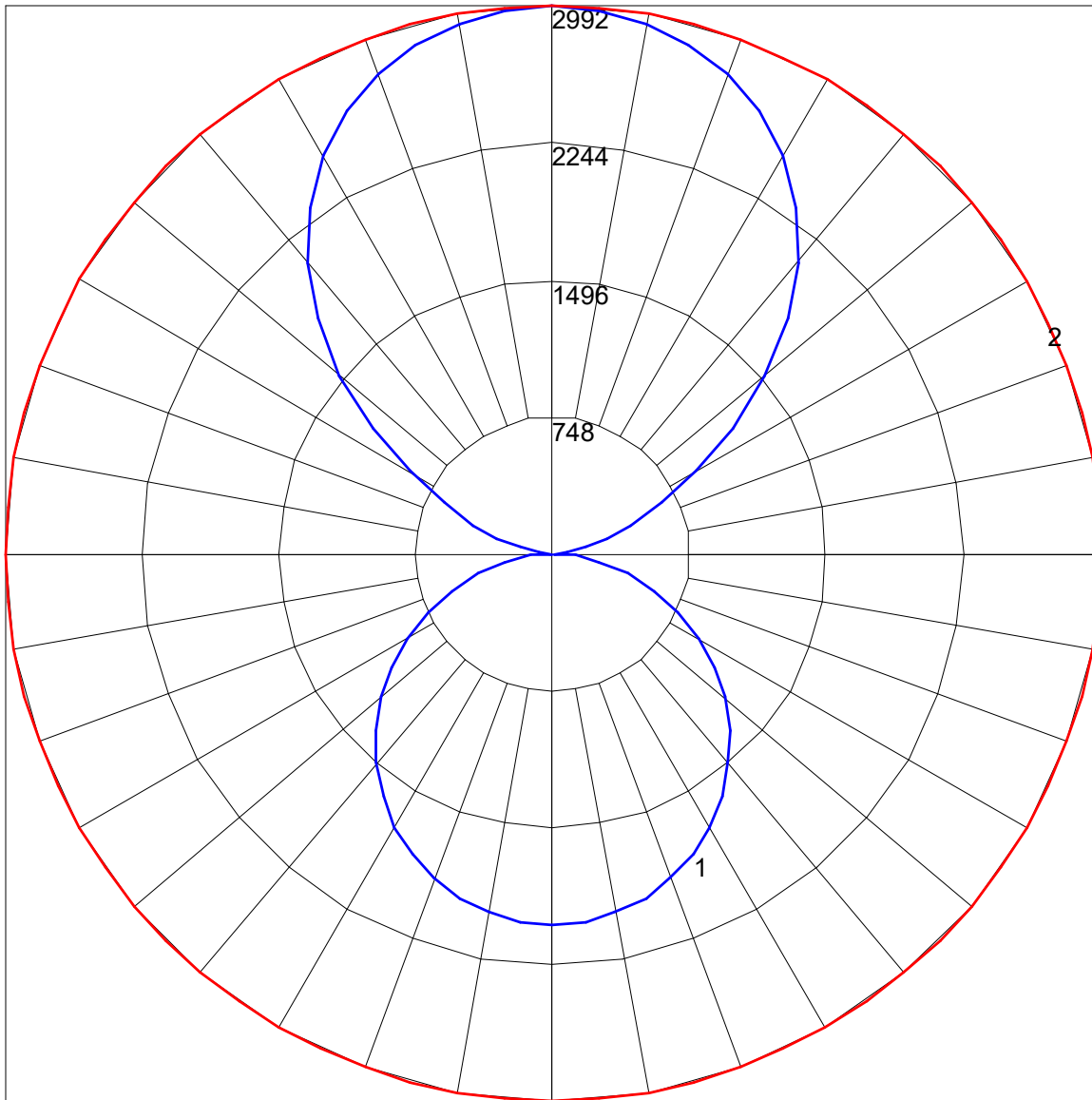
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44
1	96	92	88	84	88	84	81	78	70	67	65	56	55	53	44	43	42	36
2	87	80	74	68	80	73	68	63	61	57	53	49	46	44	38	37	35	30
3	80	70	63	57	72	64	58	53	53	49	45	43	40	37	34	32	30	25
4	73	62	54	48	66	57	50	44	47	42	38	38	35	31	30	28	25	21
5	67	55	47	41	61	51	43	38	42	37	33	34	30	27	27	24	22	19
6	61	49	41	35	56	45	38	33	38	32	28	31	27	24	25	22	19	16
7	57	44	36	31	52	41	34	29	34	29	25	28	24	21	22	19	17	14
8	52	40	32	27	48	37	30	25	31	26	22	26	22	18	20	17	15	13
9	49	37	29	24	44	34	27	22	28	23	19	24	19	17	19	16	14	11
10	45	33	26	21	42	31	24	20	26	21	18	22	18	15	17	14	12	10

POLAR GRAPH



Maximum Candela = 2992 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.)