

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-35-U2D2-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	114	118	120	122
Total Lumens, 4' rail length (1219mm)	12165	12549	12805	13061
Lumens per foot (305mm)	3041	3137	3201	3265
Lumens per foot UP (305mm)	6660	6871	7011	7151
Lumens per foot DOWN (305mm)	5505	5679	5795	5911
Input Power (W), 4' rail length (1219mm)	107.2	107.2	107.2	107.2
Watts per foot (305mm)	26.8	26.8	26.8	26.8
CRI	85	85	85	85

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-U2D2-AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L081800702 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
[ISSUEDATE] 8/15/2018
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z3-CC-Z-HO-35-U2D2-AL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,
[MORE] symmetric lens with edgeglow up/soft diffuse 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	12806
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	107.2
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)	0.25 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.02 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	18870	19129	20078
55	17653	18000	19243
65	15941	16344	17978
75	13328	13688	15642
85	8097	8544	11833

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	2018.864	2018.864	2018.864	2018.864	2018.864	2018.864	2018.864	2018.864	2018.864	2018.864
5	2010.048	2010.048	2010.048	2010.048	2010.048	2010.048	2010.048	2010.048	2010.048	2010.048
10	1983.600	1983.600	1983.600	1983.600	1983.600	1983.600	1983.600	1983.600	1983.600	1983.600
15	1937.316	1937.316	1937.316	1937.316	1937.316	1937.316	1937.316	1937.316	1937.316	1937.316
20	1875.604	1875.604	1875.604	1875.604	1875.604	1873.400	1873.400	1873.400	1873.400	1873.400
25	1796.260	1796.260	1796.260	1796.260	1796.260	1796.260	1794.056	1794.056	1794.056	1791.852
30	1701.488	1701.488	1701.488	1701.488	1701.488	1699.284	1699.284	1699.284	1697.080	1697.080
35	1593.492	1593.492	1593.492	1593.492	1591.288	1591.288	1591.288	1589.084	1589.084	1586.880
40	1472.272	1472.272	1472.272	1472.272	1470.068	1470.068	1470.068	1467.864	1467.864	1465.660
45	1340.032	1340.032	1340.032	1340.032	1337.828	1337.828	1335.624	1335.624	1333.420	1333.420
50	1198.976	1198.976	1198.976	1196.772	1196.772	1194.568	1194.568	1192.364	1192.364	1190.160
55	1049.104	1049.104	1049.104	1049.104	1046.900	1046.900	1044.696	1044.696	1042.492	1042.492
60	892.620	892.620	892.620	892.620	892.620	890.416	890.416	888.212	886.008	886.008
65	733.932	733.932	733.932	733.932	731.728	731.728	729.524	727.320	727.320	725.116
70	575.244	575.244	573.040	573.040	573.040	570.836	568.632	566.428	564.224	564.224
75	416.556	416.556	416.556	414.352	414.352	412.148	409.944	407.740	405.536	403.332
80	264.480	264.480	264.480	262.276	262.276	260.072	260.072	257.868	255.664	253.460
85	125.628	125.628	125.628	123.424	123.424	123.424	121.220	121.220	119.016	116.812
90	30.856	30.856	30.856	30.856	28.652	26.448	24.244	22.040	19.836	17.632
95	90.364	90.364	90.364	90.364	88.160	88.160	85.956	85.956	83.752	81.548
100	185.136	185.136	185.136	185.136	187.340	187.340	187.340	187.340	189.544	189.544
105	308.560	308.560	310.764	310.764	312.968	317.376	319.580	321.784	326.192	330.600
110	467.248	469.452	469.452	473.860	476.064	482.676	487.084	493.696	498.104	504.716
115	665.608	665.608	667.812	672.220	676.628	683.240	692.056	698.668	707.484	716.300
120	899.232	899.232	901.436	905.844	912.456	919.068	927.884	936.700	945.516	954.332
125	1157.100	1157.100	1161.508	1165.916	1170.324	1176.936	1185.752	1194.568	1205.588	1214.404
130	1423.784	1423.784	1425.988	1430.396	1434.804	1441.416	1450.232	1459.048	1465.660	1474.476
135	1679.448	1681.652	1683.856	1686.060	1690.468	1697.080	1701.488	1708.100	1714.712	1721.324
140	1913.072	1915.276	1915.276	1917.480	1921.888	1924.092	1928.500	1932.908	1937.316	1941.724
145	2115.840	2115.840	2118.044	2118.044	2120.248	2122.452	2124.656	2126.860	2129.064	2131.268
150	2281.140	2281.140	2281.140	2283.344	2283.344	2285.548	2285.548	2287.752	2287.752	2289.956
155	2415.584	2415.584	2415.584	2417.788	2417.788	2417.788	2417.788	2419.992	2419.992	2422.196
160	2523.580	2523.580	2523.580	2523.580	2523.580	2525.784	2525.784	2525.784	2525.784	2527.988
165	2605.128	2605.128	2605.128	2605.128	2605.128	2607.332	2607.332	2607.332	2607.332	2607.332
170	2662.432	2662.432	2662.432	2662.432	2662.432	2662.432	2662.432	2662.432	2662.432	2662.432
175	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492
180	2706.512	2706.512	2706.512	2706.512	2706.512	2706.512	2706.512	2706.512	2706.512	2706.512

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	2018.864	2018.864	2018.864	2018.864	2018.864	2018.864	2018.864	2018.864	2018.864
5	2010.048	2010.048	2010.048	2010.048	2010.048	2010.048	2010.048	2010.048	2010.048
10	1983.600	1983.600	1983.600	1983.600	1981.396	1981.396	1981.396	1981.396	1981.396
15	1937.316	1935.112	1935.112	1935.112	1935.112	1935.112	1935.112	1935.112	1935.112
20	1873.400	1871.196	1871.196	1871.196	1871.196	1871.196	1871.196	1871.196	1871.196
25	1791.852	1791.852	1791.852	1789.648	1789.648	1789.648	1789.648	1789.648	1789.648
30	1697.080	1694.876	1694.876	1694.876	1692.672	1692.672	1692.672	1692.672	1692.672
35	1586.880	1586.880	1584.676	1584.676	1582.472	1582.472	1582.472	1582.472	1582.472
40	1465.660	1463.456	1463.456	1461.252	1461.252	1461.252	1461.252	1459.048	1459.048
45	1331.216	1331.216	1329.012	1329.012	1329.012	1326.808	1326.808	1326.808	1326.808
50	1190.160	1187.956	1187.956	1185.752	1185.752	1185.752	1183.548	1183.548	1183.548
55	1040.288	1038.084	1038.084	1035.880	1035.880	1035.880	1033.676	1033.676	1033.676
60	883.804	881.600	879.396	879.396	877.192	877.192	877.192	874.988	874.988

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CANDELA TABULATION - (Cont.)

65	722.912	720.708	718.504	716.300	716.300	714.096	714.096	711.892	714.096
70	559.816	557.612	555.408	553.204	551.000	548.796	548.796	546.592	546.592
75	401.128	398.924	394.516	392.312	390.108	385.700	385.700	383.496	383.496
80	249.052	246.848	244.644	240.236	238.032	233.624	231.420	231.420	229.216
85	114.608	114.608	112.404	110.200	107.996	105.792	103.588	101.384	101.384
90	15.428	13.224	11.020	8.816	6.612	6.612	4.408	2.204	2.204
95	81.548	79.344	77.140	74.936	74.936	72.732	70.528	70.528	68.324
100	189.544	189.544	191.748	191.748	189.544	189.544	189.544	187.340	187.340
105	332.804	337.212	339.416	341.620	341.620	343.824	343.824	343.824	343.824
110	511.328	517.940	522.348	526.756	528.960	531.164	531.164	533.368	531.164
115	722.912	731.728	738.340	742.748	747.156	751.564	751.564	753.768	753.768
120	965.352	974.168	980.780	987.392	994.004	996.208	998.412	1000.616	1000.616
125	1223.220	1232.036	1240.852	1245.260	1251.872	1254.076	1256.280	1258.484	1258.484
130	1483.292	1489.904	1496.516	1500.924	1505.332	1507.536	1509.740	1511.944	1511.944
135	1727.936	1732.344	1736.752	1741.160	1743.364	1745.568	1747.772	1747.772	1749.976
140	1943.928	1948.336	1950.540	1954.948	1954.948	1957.152	1959.356	1959.356	1959.356
145	2133.472	2135.676	2137.880	2140.084	2140.084	2142.288	2142.288	2144.492	2144.492
150	2292.160	2294.364	2294.364	2296.568	2296.568	2296.568	2298.772	2298.772	2298.772
155	2422.196	2424.400	2424.400	2424.400	2426.604	2426.604	2426.604	2426.604	2426.604
160	2527.988	2527.988	2527.988	2527.988	2530.192	2530.192	2530.192	2530.192	2530.192
165	2607.332	2607.332	2607.332	2607.332	2607.332	2607.332	2609.536	2609.536	2609.536
170	2662.432	2662.432	2662.432	2662.432	2662.432	2664.636	2662.432	2662.432	2664.636
175	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492	2695.492
180	2706.512	2706.512	2706.512	2706.512	2706.512	2706.512	2706.512	2706.512	2706.512

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	737.46	N.A.	5.80
0-30	1563.61	N.A.	12.20
0-40	2556.86	N.A.	20.00
0-60	4515.91	N.A.	35.30
0-80	5658.89	N.A.	44.20
0-90	5794.83	N.A.	45.30
10-90	5603.82	N.A.	43.80
20-40	1819.4	N.A.	14.20
20-50	2847.75	N.A.	22.20
40-70	2675.74	N.A.	20.90
60-80	1142.98	N.A.	8.90
70-80	426.29	N.A.	3.30
80-90	135.94	N.A.	1.10
90-110	455.93	N.A.	3.60
90-120	1168.69	N.A.	9.10
90-130	2252.1	N.A.	17.60
90-150	4903.53	N.A.	38.30
90-180	7010.78	N.A.	54.70
110-180	6554.85	N.A.	51.20
0-180	12805.61	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	191.01
10-20	546.45
20-30	826.15
30-40	993.25
40-50	1028.36
50-60	930.70
60-70	716.69
70-80	426.29
80-90	135.94
90-100	100.39
100-110	355.54
110-120	712.77
120-130	1083.41
130-140	1321.45
140-150	1329.99
150-160	1115.28
160-170	735.71
170-180	256.26

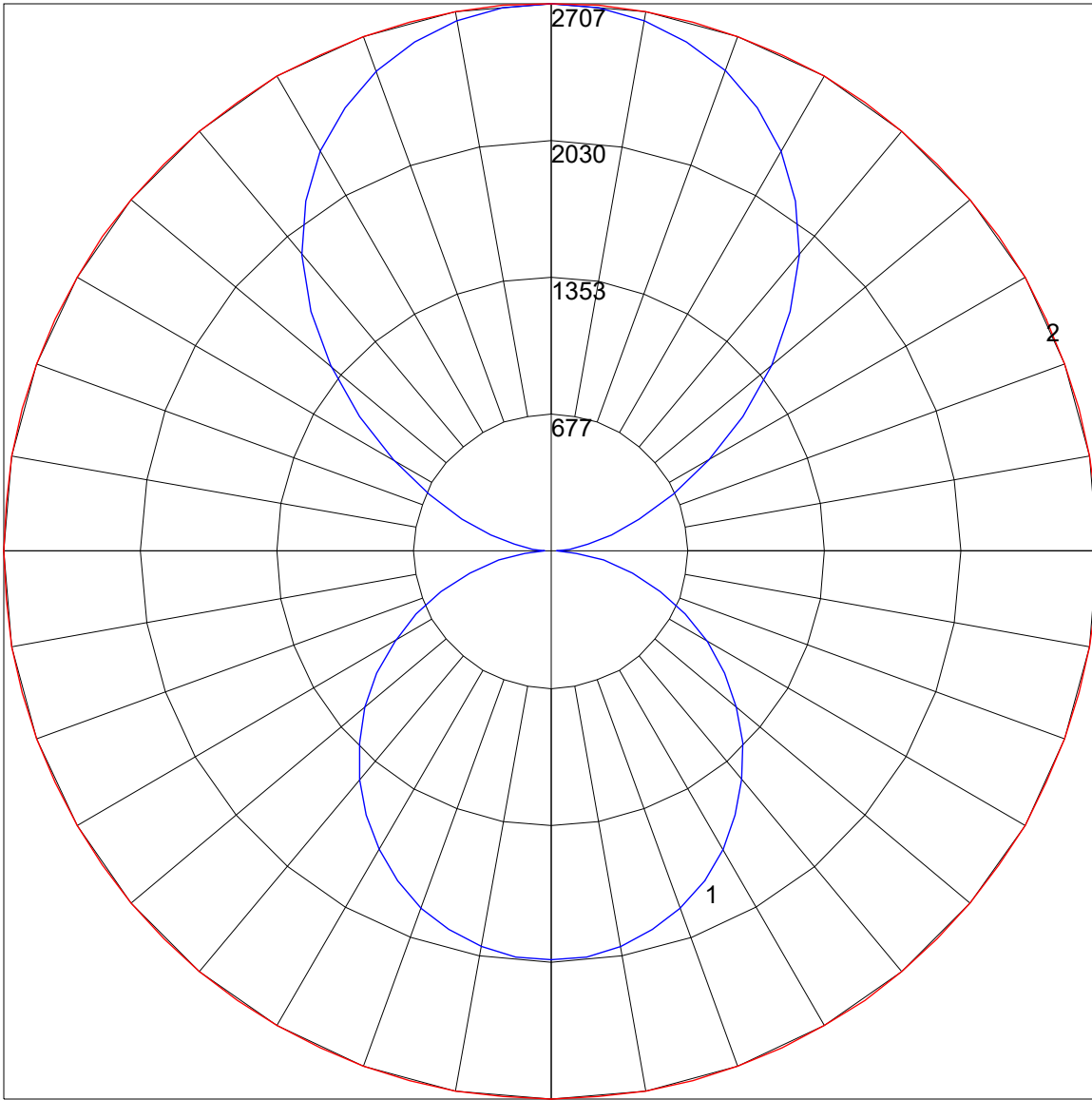
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	81	81	81	66	66	66	52	52	52	45
1	96	92	88	85	88	85	81	78	70	68	66	57	56	54	45	44	43	38
2	88	80	74	69	80	74	68	64	61	57	54	50	47	45	40	38	36	31
3	80	70	63	57	73	65	58	53	54	49	45	44	41	38	35	33	31	26
4	73	62	54	48	67	57	50	45	48	43	38	39	35	32	31	28	26	22
5	67	55	47	41	61	51	44	38	43	37	33	35	31	28	28	25	23	19
6	62	49	41	35	56	46	38	33	38	33	29	32	27	24	25	22	20	17
7	57	45	37	31	52	41	34	29	35	29	25	29	24	21	23	20	18	15
8	53	40	33	27	48	37	30	26	32	26	22	26	22	19	21	18	16	13
9	49	37	29	24	45	34	27	23	29	24	20	24	20	17	19	16	14	12
10	46	34	26	22	42	31	25	20	27	21	18	22	18	15	18	15	13	11

POLAR GRAPH



Maximum Candela = 2706.512 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)