



IES Report

ZipTwo® | 707 | 40° Symmetric | 80 CRI | HO

707-Z2-4-48-XX-XX-X-0-Z-HO-35-S1-X-BL-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	43	44	45	45
Total Lumens, 4' rail length (1219mm)	1665	1718	1753	1753
Lumens per foot (305mm)	416	429	438	438
Input Power (W), 4' rail length (1219mm)	39.6	39.6	39.6	39.6
Watts per foot (305mm)	9.9	9.9	9.9	9.9
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_Z2_HO_35_S1_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911527 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 12/23/2019

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z2-48-Z-HO-35-S1-BL

[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board, 40° black symmetric lens,

[MORE] high output, black anodized finish

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1753
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	44
Total Luminaire Watts	39.55
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.76
Spacing Criterion (90-270)	1.04
Spacing Criterion (Diagonal)	0.90
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.01 ft
Luminous Width (90-270)	3.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	56428	101491	175978
55	26795	51598	100655
65	15107	28957	59116
75	9900	18038	37147
85	7713	11976	20337

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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	1590.377	1590.377	1590.377	1590.377	1590.377	1590.377	1590.377	1590.377	1590.377	1590.377
1.0	1591.996	1591.926	1591.996	1591.856	1592.291	1591.996	1591.996	1591.996	1592.065	1591.996
3.0	1583.104	1583.104	1582.948	1582.669	1583.470	1583.678	1584.479	1584.775	1585.140	1585.801
5.0	1556.552	1556.778	1557.056	1558.083	1558.814	1560.641	1562.537	1564.643	1566.696	1568.871
7.0	1515.279	1515.575	1516.880	1518.846	1521.404	1524.327	1527.964	1532.627	1537.151	1541.901
9.0	1461.304	1461.965	1463.862	1467.064	1471.657	1476.842	1483.402	1490.119	1497.409	1504.769
11.0	1395.671	1396.628	1399.169	1403.919	1410.270	1417.839	1426.748	1436.805	1448.115	1458.973
13.0	1321.443	1322.974	1326.680	1332.440	1340.687	1350.832	1362.420	1376.201	1390.138	1405.746
15.0	1238.584	1240.342	1245.161	1252.295	1262.440	1275.925	1290.593	1307.645	1325.602	1344.846
17.0	1151.219	1151.741	1157.935	1166.983	1179.737	1194.684	1211.684	1232.912	1255.079	1277.177
19.5	1030.602	1033.229	1040.015	1050.873	1065.907	1083.759	1105.352	1129.277	1155.743	1183.896
22.5	886.495	889.279	897.144	909.481	926.828	948.422	973.791	1002.170	1033.229	1065.385
25.5	742.388	745.677	754.064	767.410	786.219	810.509	838.228	870.017	904.870	941.270
29.0	584.588	587.650	596.037	609.818	629.723	654.658	683.768	717.750	755.230	794.397
33.0	428.371	431.137	439.315	452.069	470.600	494.003	522.157	555.269	592.679	631.916
37.5	289.379	291.781	298.410	309.355	324.458	345.164	369.593	398.408	430.772	466.946
42.5	181.586	183.118	188.077	195.889	207.182	222.581	240.955	263.854	290.615	319.638
47.5	113.761	114.857	117.989	123.540	131.335	141.845	154.686	170.938	190.199	211.567
55.0	56.881	57.385	59.073	61.909	66.068	71.618	78.404	87.070	97.649	109.533
65.0	23.629	23.925	24.656	25.822	27.492	29.615	32.521	36.018	40.177	45.292
75.0	9.483	9.553	9.848	10.144	10.858	11.675	12.685	14.007	15.469	17.278
85.0	2.488	2.488	2.488	2.558	2.767	2.836	3.062	3.202	3.567	3.863
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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	1590.377	1590.377	1590.377	1590.377	1590.377	1590.377	1590.377	1590.377	1590.377
1.0	1592.291	1592.065	1592.135	1592.065	1592.065	1591.926	1591.856	1592.065	1592.587
3.0	1586.532	1587.106	1587.628	1588.133	1588.707	1589.003	1589.664	1589.873	1589.803
5.0	1570.994	1573.186	1575.083	1576.892	1578.580	1579.589	1580.616	1581.486	1582.078
7.0	1546.060	1551.088	1555.525	1558.744	1561.580	1565.078	1566.766	1567.931	1568.662
9.0	1513.226	1520.603	1527.389	1534.019	1539.917	1544.511	1548.461	1550.653	1550.566
11.0	1471.379	1482.306	1492.381	1501.777	1510.894	1517.906	1523.231	1526.067	1527.964
13.0	1421.858	1436.074	1450.151	1465.097	1475.816	1485.960	1493.686	1497.775	1498.801
15.0	1364.386	1384.292	1402.457	1419.457	1434.404	1446.862	1455.406	1461.391	1464.819
17.0	1301.155	1323.914	1347.317	1368.475	1386.554	1402.318	1413.332	1420.832	1423.685
19.5	1212.484	1240.342	1267.033	1293.725	1317.058	1335.955	1351.267	1359.793	1362.716
22.5	1099.958	1133.071	1165.295	1197.381	1224.438	1246.466	1264.110	1275.716	1278.413
25.5	979.620	1017.256	1053.361	1089.605	1120.229	1145.320	1165.817	1179.372	1184.331
29.0	835.896	878.039	917.572	955.190	988.598	1018.422	1039.580	1053.500	1059.782
33.0	674.215	716.793	757.422	797.894	831.007	861.056	884.755	897.875	901.233
37.5	507.349	546.447	585.162	623.529	656.276	683.698	704.474	717.820	724.171
42.5	352.019	384.540	418.157	450.608	478.918	502.912	521.495	533.032	537.625
47.5	235.996	261.157	286.961	312.417	334.150	354.212	369.367	379.007	383.444
55.0	123.175	138.052	153.433	169.337	183.413	196.098	205.946	212.141	213.672
65.0	50.982	57.472	64.171	71.253	77.882	83.642	88.601	91.594	92.464
75.0	19.540	21.802	24.360	27.057	29.528	31.946	33.773	34.939	35.583
85.0	4.228	4.594	4.959	5.394	5.690	5.986	6.351	6.421	6.560
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	500.59	N.A.	28.60
0-30	924.16	N.A.	52.70
0-40	1250.31	N.A.	71.30
0-60	1619.28	N.A.	92.40
0-80	1738.64	N.A.	99.20
0-90	1752.72	N.A.	100.00
10-90	1632.74	N.A.	93.20
20-40	749.72	N.A.	42.80
20-50	1005.72	N.A.	57.40
40-70	451.56	N.A.	25.80
60-80	119.36	N.A.	6.80
70-80	36.77	N.A.	2.10
80-90	14.08	N.A.	0.80
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1752.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	119.98
10-20	380.61
20-30	423.57
30-40	326.15
40-50	256.01
50-60	112.96
60-70	82.59
70-80	36.77
80-90	14.08
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

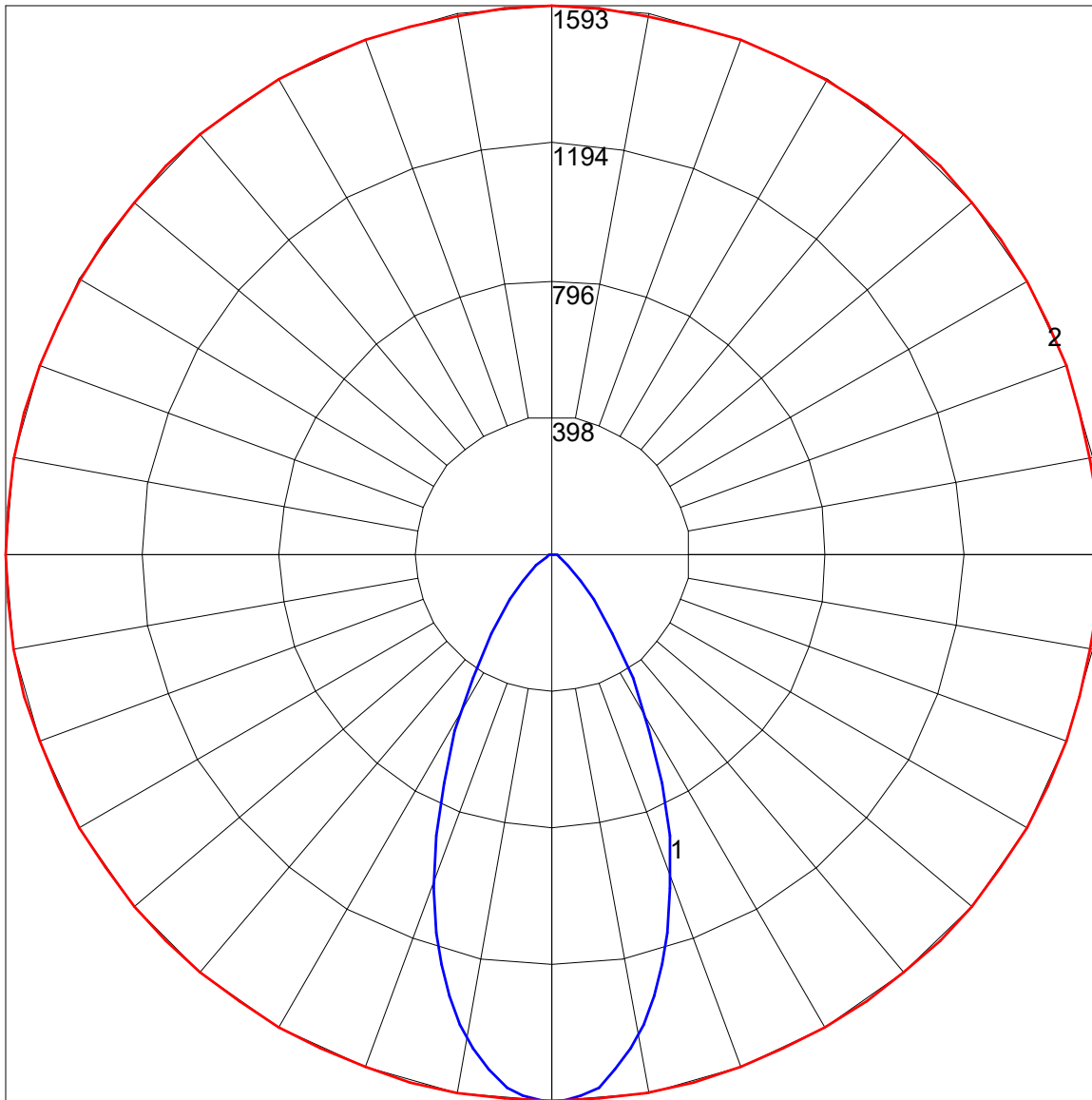
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	81	75	70	79	73	69	76	72	68	74	70	67	65
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50
8	72	60	53	49	70	60	53	48	59	52	48	57	52	48	56	51	48	46
9	68	56	50	45	66	56	49	45	55	49	45	54	48	44	53	48	44	43
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41	40

POLAR GRAPH



Maximum Candela = 1592.587 Located At Horizontal Angle = 90, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)