

IES Report

ZipTwo® | 707 | 40° Symmetric | 90 CRI | HO

707-Z2-4-48-XX-XX-X-0-Z-HO-359-S1-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	53	55	56	57
Total Lumens, 4' rail length (1219mm)	2073	2138	2182	2225
Lumens per foot (305mm)	518	535	545	556
Input Power (W), 4' rail length (1219mm)	39.4	39.4	39.4	39.4
Watts per foot (305mm)	9.9	9.9	9.9	9.9
CRI	95	95	95	95

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_359_S1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L071704223 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
[ISSUEDATE] 11/1/2017
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z2-48-Z-HO-359-S1-AL
[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,
[MORE] 40° white symmetric lens, high output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2182
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	55
Total Luminaire Watts	39.36
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.00
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.02 ft
Luminous Width (90-270)	4.02 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	41972	72036	127345
55	29478	46675	88997
65	25494	34622	61720
75	22779	27705	43994
85	17939	20170	28083

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	1488.736	1488.736	1488.736	1488.736	1488.736	1488.736	1488.736	1488.736	1488.736	1488.736
1.0	1488.981	1489.103	1489.042	1488.858	1488.981	1488.981	1488.919	1488.797	1488.919	1488.919
3.0	1483.014	1483.014	1483.258	1483.258	1483.396	1483.641	1483.840	1484.284	1484.528	1484.788
5.0	1468.647	1468.586	1469.106	1469.550	1470.116	1471.386	1472.273	1473.359	1475.012	1476.022
7.0	1443.371	1443.754	1444.458	1445.850	1447.380	1449.476	1451.878	1454.494	1457.279	1460.018
9.0	1408.809	1404.112	1405.381	1407.676	1410.461	1413.521	1418.096	1422.410	1427.490	1432.065
11.0	1365.494	1365.999	1368.157	1371.966	1376.541	1382.003	1388.613	1395.605	1403.545	1411.104
13.0	1310.476	1311.745	1314.668	1319.763	1326.556	1334.741	1343.891	1354.249	1365.372	1376.357
15.0	1247.853	1249.306	1253.498	1260.047	1269.257	1280.243	1293.018	1306.222	1321.094	1335.889
17.0	1174.535	1176.325	1181.910	1190.493	1202.427	1216.855	1233.302	1251.662	1270.711	1289.958
19.5	1076.722	1078.941	1085.933	1096.796	1111.713	1130.655	1152.059	1175.744	1200.836	1226.127
22.5	943.321	946.183	954.567	967.970	986.835	1010.519	1037.202	1067.955	1100.544	1134.021
25.5	805.346	808.528	818.244	833.804	855.790	883.667	915.491	952.532	992.358	1032.689
29.0	654.029	657.472	667.508	683.833	707.457	737.123	771.747	812.782	858.330	905.454
33.0	501.702	504.762	514.600	530.099	552.330	581.369	616.682	657.716	705.682	756.371
37.5	364.874	367.414	375.355	388.635	407.179	432.776	463.529	501.197	545.093	594.390
42.5	256.887	258.861	264.828	274.543	289.032	308.540	332.545	362.595	398.794	440.533
47.5	186.889	188.282	192.413	199.405	209.503	222.967	240.439	261.967	288.772	321.116
55.0	126.409	127.051	129.392	132.513	137.776	145.029	154.239	166.311	181.733	200.155
65.0	80.554	80.799	81.687	83.018	85.053	87.791	91.417	95.977	102.020	109.395
75.0	44.079	44.217	44.462	44.905	45.609	46.497	47.583	49.174	51.194	53.611
85.0	11.689	11.689	11.750	11.750	11.873	12.010	12.194	12.454	12.775	13.143
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	1488.736	1488.736	1488.736	1488.736	1488.736	1488.736	1488.736	1488.736	1488.736
1.0	1488.919	1488.797	1488.919	1488.797	1488.721	1488.981	1488.858	1489.042	1488.598
3.0	1485.293	1485.615	1485.798	1486.242	1486.624	1486.885	1487.068	1486.946	1487.328
5.0	1477.552	1478.760	1480.091	1481.101	1482.050	1482.692	1483.335	1483.457	1483.641
7.0	1463.001	1465.725	1468.341	1470.743	1472.594	1474.247	1475.639	1476.282	1476.526
9.0	1437.649	1442.224	1447.059	1451.128	1454.938	1458.748	1461.288	1462.802	1466.627
11.0	1418.922	1426.725	1433.457	1439.562	1445.146	1449.476	1452.398	1454.357	1455.061
13.0	1387.664	1398.466	1408.564	1417.576	1424.889	1431.238	1435.691	1438.292	1439.179
15.0	1351.066	1365.433	1378.836	1391.030	1401.067	1409.069	1415.173	1418.662	1419.748
17.0	1309.083	1327.566	1344.778	1360.476	1373.175	1383.793	1391.351	1396.110	1397.640
19.5	1251.724	1275.729	1297.516	1317.406	1333.854	1347.134	1357.049	1362.756	1365.234
22.5	1167.880	1199.704	1228.789	1254.646	1276.617	1293.584	1306.421	1313.780	1316.198
25.5	1074.045	1113.427	1149.764	1181.971	1208.715	1230.258	1245.879	1255.028	1258.272
29.0	954.689	1002.073	1045.464	1085.107	1117.313	1143.920	1162.157	1172.959	1176.448
33.0	811.007	864.863	915.996	962.890	1000.421	1030.409	1051.248	1063.243	1067.435
37.5	649.592	705.682	761.129	811.252	852.669	885.258	908.315	921.595	926.032
42.5	489.248	540.396	592.355	642.600	683.635	715.963	738.898	752.179	756.310
47.5	358.464	400.508	444.404	487.795	524.193	553.477	574.500	586.250	590.136
55.0	222.967	249.451	277.282	305.419	331.842	353.246	368.684	377.895	381.643
65.0	118.850	130.035	142.672	156.274	168.774	180.020	188.221	193.361	195.014
75.0	56.794	60.603	65.117	70.074	74.771	79.086	82.452	84.548	85.129
85.0	13.663	14.229	14.994	15.820	16.524	17.212	17.794	18.161	18.299
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	489.96	N.A.	22.50
0-30	944.36	N.A.	43.30
0-40	1333.19	N.A.	61.10
0-60	1876.92	N.A.	86.00
0-80	2138.47	N.A.	98.00
0-90	2181.82	N.A.	100.00
10-90	2068.56	N.A.	94.80
20-40	843.23	N.A.	38.60
20-50	1198.97	N.A.	55.00
40-70	710.98	N.A.	32.60
60-80	261.55	N.A.	12.00
70-80	94.30	N.A.	4.30
80-90	43.35	N.A.	2.00
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	2181.82	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	113.26
10-20	376.70
20-30	454.40
30-40	388.83
40-50	355.74
50-60	187.98
60-70	167.26
70-80	94.30
80-90	43.35
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

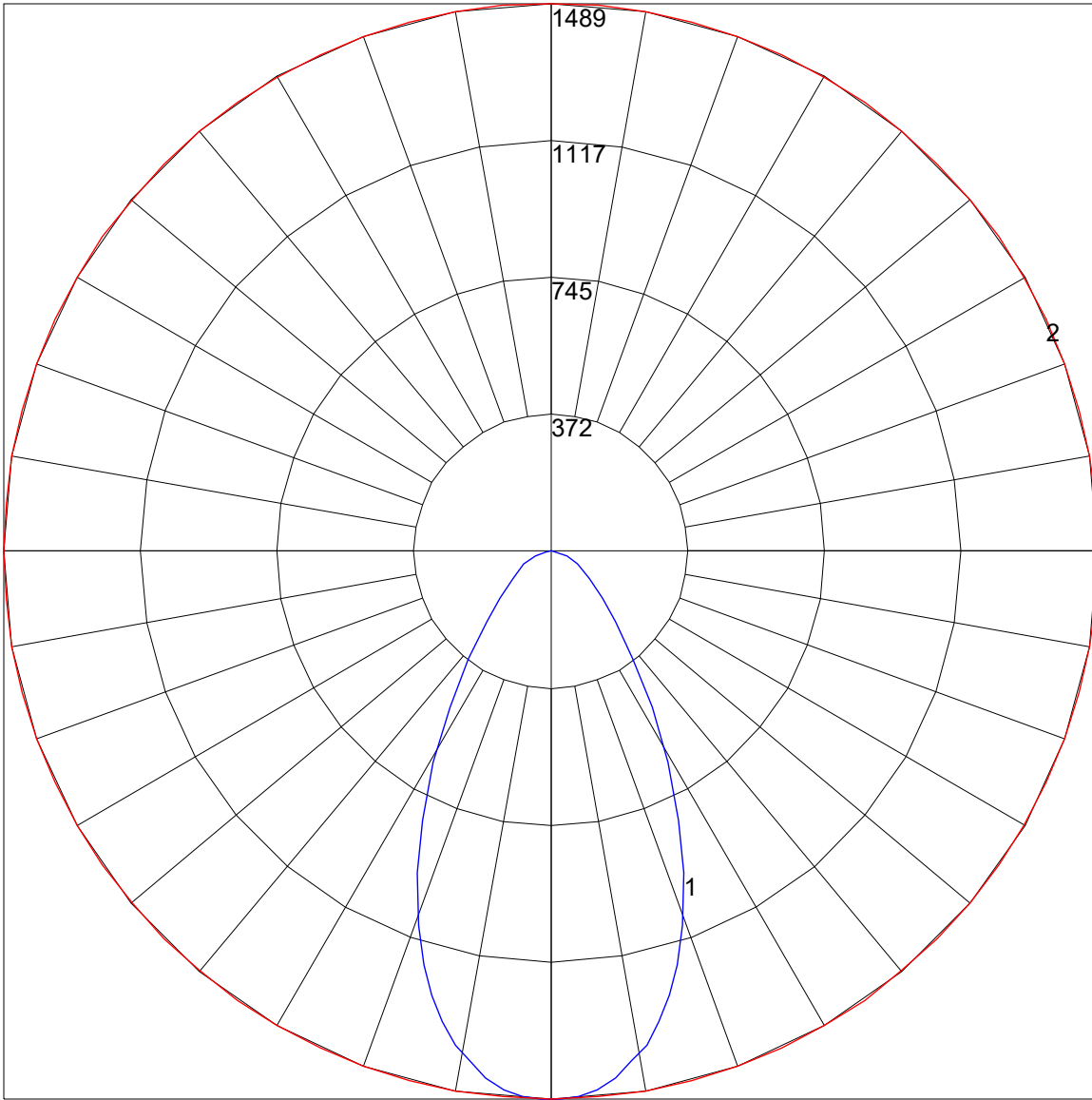
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	106	102	99	108	104	100	97	100	97	94	96	94	91	92	90	89	87
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68	66
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59
5	82	70	63	57	80	69	62	57	67	61	56	66	60	55	64	59	55	53
6	76	65	57	51	75	64	56	51	62	55	50	60	55	50	59	54	50	48
7	72	60	52	46	70	59	51	46	57	51	46	56	50	46	55	49	45	43
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	45	41	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37
10	60	48	41	36	59	47	40	36	46	40	36	45	40	35	45	39	35	34

POLAR GRAPH



Maximum Candela = 1489.103 Located At Horizontal Angle = 5, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)