

IES Report

ZipTwo® | 707 | Square 3554, Side Diffuse | 80 CRI | HO

707-Z2-4-48-XX-XX-X-0-Z-HO-35-J9-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	130	134	137	137
Total Lumens, 4' rail length (1219mm)	5124	5286	5394	5394
Lumens per foot (305mm)	1281	1321	1348	1348
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_J9_WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L082011207 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 9/9/2020

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z2-48-Z-HO-35-J9-WH

[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,

[MORE] square 3554, side diffuse lens, high output

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5394
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	39.55
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)	0.13 ft
Luminous Width (90-270)	3.99 ft
Luminous Height	0.17 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9751	7415	619
55	11119	8673	611
65	12024	9599	649
75	12624	10707	807
85	13256	11926	1843

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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	34.591	34.591	34.591	34.591	34.591	34.591	34.591	34.591	34.591	34.591
5	74.820	74.820	74.315	73.150	71.688	69.861	67.529	64.972	61.909	58.481
10	153.155	152.702	151.102	148.561	144.611	139.722	134.032	127.333	119.608	111.430
15	238.032	237.092	234.308	229.802	222.946	214.768	205.076	193.627	180.786	167.214
20	328.025	326.720	322.561	315.775	306.083	294.112	279.827	263.419	244.453	224.912
25	421.811	419.914	414.155	405.037	391.918	375.718	356.613	334.445	309.581	283.168
30	516.171	513.909	506.479	494.595	477.961	457.620	433.121	405.107	374.257	341.666
35	604.128	601.135	592.174	578.672	560.524	535.433	505.888	472.271	435.887	396.720
40	690.467	686.830	676.686	660.139	636.805	607.556	576.410	536.807	492.907	447.632
45	767.479	763.912	752.167	733.288	706.370	674.215	636.214	586.328	545.281	494.369
50	832.103	828.153	814.964	794.397	766.244	730.139	688.135	641.033	586.624	535.502
55	882.128	877.673	864.188	842.891	813.137	775.135	731.670	680.410	623.738	567.153
60	914.805	910.490	897.370	876.212	844.927	806.786	761.946	709.067	650.429	588.590
65	932.449	928.133	914.440	893.142	862.657	824.951	779.450	726.868	668.595	596.333
70	935.511	931.213	918.442	897.370	869.078	831.372	787.315	734.959	676.912	606.686
75	926.759	922.826	911.012	891.680	863.962	827.788	785.349	734.367	676.912	609.957
80	909.846	906.262	895.178	876.734	849.816	816.495	775.796	726.937	672.249	604.633
85	888.688	885.399	874.541	857.176	832.747	800.087	760.989	714.827	662.105	597.272
90	865.789	862.588	852.583	835.966	812.267	781.260	744.215	699.376	647.819	591.652
95	842.456	839.098	829.249	813.572	789.873	760.919	725.267	681.941	632.125	580.864
100	818.827	815.764	806.212	790.534	768.367	739.622	703.813	662.905	611.784	566.579
105	794.327	791.474	781.921	766.748	745.016	716.584	682.880	641.834	593.183	546.656
110	767.914	764.939	755.821	740.944	718.846	691.267	658.312	618.570	575.174	525.950
115	737.586	734.524	725.180	710.390	688.936	662.470	629.723	591.148	550.519	503.556
120	702.438	699.584	690.693	676.042	655.841	629.358	598.508	563.586	521.930	476.951
125	661.879	659.042	650.586	636.875	617.108	593.114	564.526	529.151	489.114	446.467
130	615.508	612.811	604.563	592.313	574.670	551.406	523.618	490.941	452.957	407.508
135	567.379	565.030	557.305	544.916	527.620	505.679	479.422	445.075	402.114	357.779
140	509.768	507.506	500.354	489.044	473.663	453.235	421.741	382.800	345.233	308.850
145	447.476	445.440	439.315	429.241	415.251	388.124	354.647	322.561	291.711	261.592
150	382.139	380.468	375.057	366.305	345.668	316.071	290.249	265.019	243.356	223.955
155	314.609	313.078	308.693	297.105	270.048	248.750	230.011	216.734	202.084	184.945
160	246.349	245.183	241.164	217.761	200.187	185.380	177.724	168.241	154.164	136.381
165	172.695	171.599	156.652	143.080	133.232	130.256	125.210	116.319	103.634	92.690
170	101.807	95.021	82.911	77.152	77.813	77.308	74.176	69.496	64.902	60.378
175	46.093	35.948	36.035	38.872	40.333	39.742	38.732	37.567	35.670	33.478
180	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	34.591	34.591	34.591	34.591	34.591	34.591	34.591	34.591	34.591
5	54.914	51.260	47.624	43.900	40.403	37.480	35.670	34.487	33.982
10	102.312	92.759	82.702	72.123	61.474	50.825	41.864	35.374	33.251
15	152.059	136.155	120.043	102.834	85.904	68.121	51.487	37.410	32.381
20	203.180	180.786	157.888	133.893	110.420	85.695	62.501	40.907	31.216
25	254.962	224.982	195.298	164.152	133.388	102.538	73.150	44.631	29.754
30	305.927	269.248	231.907	193.105	156.130	118.720	82.702	48.650	27.997
35	353.411	309.946	265.889	219.953	176.697	139.357	91.750	51.782	26.117
40	398.251	348.087	298.201	246.488	196.255	149.727	100.711	56.585	24.360
45	439.976	382.870	326.929	269.317	213.463	158.758	107.932	59.508	22.028
50	475.194	413.789	351.793	288.283	228.410	168.971	112.387	60.239	20.132
55	502.982	438.654	372.290	304.396	240.729	179.116	127.264	63.527	17.939
60	524.714	455.584	387.533	319.273	251.447	184.805	133.597	64.763	15.747

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CANDELA TABULATION - (Cont.)

65	540.688	470.966	399.852	326.267	257.207	188.442	133.528	63.667	14.442
70	548.048	478.761	406.795	332.044	261.731	192.305	133.093	64.467	13.711
75	549.649	479.561	408.761	337.003	264.880	194.636	133.684	65.128	11.675
80	549.214	480.379	409.196	334.376	263.488	192.166	133.162	63.301	9.779
85	542.793	475.490	405.403	331.592	261.522	191.731	131.857	61.039	11.519
90	532.214	466.442	398.042	327.659	258.599	189.677	129.526	61.405	9.483
95	521.130	456.228	390.526	320.873	252.178	183.709	128.725	59.438	7.447
100	506.984	445.005	380.173	311.321	245.618	178.889	126.011	53.818	8.752
105	489.566	430.702	367.036	301.333	237.823	174.887	122.444	51.556	7.151
110	471.035	412.328	352.820	291.641	229.436	166.274	112.160	46.963	6.421
115	450.538	395.345	337.577	276.469	217.030	156.791	99.250	39.307	6.856
120	425.813	374.187	319.064	260.722	204.415	148.039	91.019	33.251	7.291
125	397.886	346.121	292.285	238.537	184.875	136.955	77.378	28.884	7.447
130	358.075	308.554	259.625	209.374	162.481	113.187	65.337	23.995	7.882
135	314.314	271.214	228.044	184.214	141.479	96.779	52.217	20.793	8.317
140	271.440	234.674	198.865	158.392	119.242	80.806	42.961	18.740	9.048
145	234.169	206.242	167.666	131.335	97.788	64.328	36.105	17.278	9.483
150	201.422	169.998	137.982	108.802	79.205	54.044	32.747	17.000	10.353
155	158.827	133.232	111.290	86.426	65.059	46.458	29.319	16.704	11.675
160	118.946	100.781	82.406	66.659	52.287	38.732	25.526	15.904	12.545
165	81.745	71.253	61.265	50.912	40.907	30.415	21.506	15.242	13.276
170	54.914	49.225	43.239	36.610	29.458	23.194	17.939	15.173	14.007
175	30.781	27.997	24.725	21.733	19.175	17.000	15.677	14.807	14.581
180	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	51.89	N.A.	1.00
0-30	174.14	N.A.	3.20
0-40	405.12	N.A.	7.50
0-60	1228.94	N.A.	22.80
0-80	2375.21	N.A.	44.00
0-90	2970.9	N.A.	55.10
10-90	2964.09	N.A.	55.00
20-40	353.24	N.A.	6.50
20-50	707.52	N.A.	13.10
40-70	1376.4	N.A.	25.50
60-80	1146.27	N.A.	21.30
70-80	593.69	N.A.	11.00
80-90	595.69	N.A.	11.00
90-110	1088.1	N.A.	20.20
90-120	1536.73	N.A.	28.50
90-130	1895.94	N.A.	35.20
90-150	2312.16	N.A.	42.90
90-180	2422.7	N.A.	44.90
110-180	1334.6	N.A.	24.70
0-180	5393.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	6.81
10-20	45.08
20-30	122.26
30-40	230.98
40-50	354.29
50-60	469.53
60-70	552.58
70-80	593.69
80-90	595.69
90-100	568.86
100-110	519.24
110-120	448.63
120-130	359.21
130-140	257.21
140-150	159.01
150-160	80.10
160-170	27.01
170-180	3.43

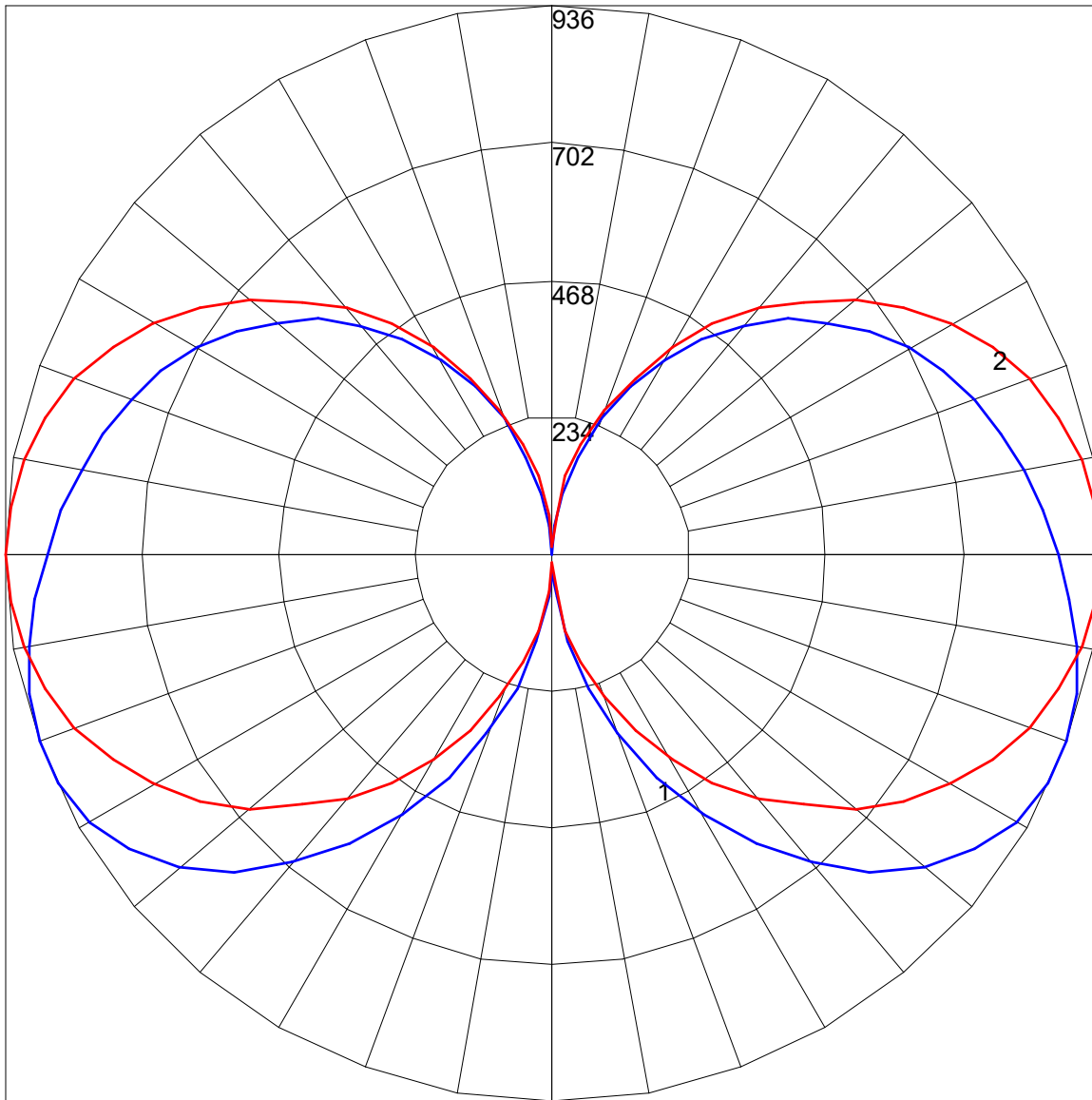
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	93	86	80	75	86	80	74	69	67	63	59	55	52	49	45	42	40	34
2	82	72	63	56	75	66	59	52	55	49	44	45	40	36	36	32	29	24
3	74	61	52	44	67	56	48	41	47	40	34	38	33	28	30	26	22	18
4	67	53	43	35	61	49	40	33	40	33	28	33	27	22	25	21	17	14
5	60	46	37	29	55	43	34	27	35	28	23	29	23	18	22	18	14	11
6	55	41	31	24	50	38	29	23	31	24	19	25	20	15	20	15	12	8
7	51	37	27	21	46	34	25	19	28	21	16	23	17	13	18	13	10	7
8	47	33	24	18	43	30	22	16	25	18	14	20	15	11	16	12	8	6
9	43	30	21	15	40	27	20	14	23	16	12	19	13	10	15	10	7	5
10	40	27	19	14	37	25	17	12	21	15	10	17	12	8	13	9	6	4

POLAR GRAPH



Maximum Candela = 935.511 Located At Horizontal Angle = 0, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)