

IES Report

ZipTwo® | 707 | Square, Critical Edge | 80 CRI | LO

707-Z2-4-48-XX-XX-X-0-Z-LO-35-S5-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	64	66	67	67
Total Lumens, 4' rail length (1219mm)	942	972	991	991
Lumens per foot (305mm)	235	243	248	248
Input Power (W), 4' rail length (1219mm)	14.9	14.9	14.9	14.9
Watts per foot (305mm)	3.8	3.8	3.8	3.8
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_LO_35_S5.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911532 (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-LO-35-S5-AL

[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board, critical edge diffuse lens,

[MORE] low 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	991
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	14.89
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.11 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7623	7718	7819
55	7271	7355	7443
65	6928	6983	7043
75	6662	6666	6689
85	6994	6912	6857

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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	359.554	359.554	359.554	359.554	359.554	359.554	359.554	359.554	359.554	359.554
5	357.976	357.831	357.831	357.901	357.877	357.953	357.953	358.069	357.877	358.022
10	351.654	351.654	351.579	351.700	351.700	351.799	351.921	351.944	352.019	352.089
15	341.202	341.127	341.249	341.272	341.446	341.516	341.637	341.835	341.980	342.200
20	327.004	326.958	326.981	327.172	327.271	327.514	327.781	328.002	328.315	328.535
25	309.407	309.529	309.621	309.795	309.964	310.352	310.619	310.961	311.251	311.663
30	289.664	289.785	289.907	290.081	290.325	290.684	291.079	291.491	291.978	292.436
35	267.885	267.908	268.053	268.273	268.592	268.958	269.346	269.828	270.338	270.825
40	244.696	244.719	244.818	245.085	245.398	245.787	246.175	246.715	247.173	247.683
45	220.533	220.580	220.655	220.847	221.113	221.479	221.891	222.331	222.842	223.300
50	195.831	195.808	195.907	196.075	196.318	196.661	197.003	197.362	197.728	198.169
55	170.648	170.624	170.723	170.891	171.088	171.332	171.599	171.964	172.301	172.620
60	145.174	145.220	145.244	145.394	145.516	145.731	145.928	146.148	146.386	146.705
65	119.793	119.793	119.845	119.892	120.014	120.159	120.280	120.425	120.599	120.744
70	94.952	94.952	95.021	95.050	95.050	95.195	95.219	95.242	95.364	95.439
75	70.545	70.545	70.522	70.545	70.545	70.592	70.569	70.615	70.592	70.592
80	47.502	47.473	47.473	47.450	47.473	47.450	47.403	47.380	47.357	47.305
85	24.940	24.963	24.940	24.940	24.894	24.870	24.841	24.772	24.749	24.650
90	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	359.554	359.554	359.554	359.554	359.554	359.554	359.554	359.554	359.554
5	357.999	358.046	358.046	358.046	358.046	358.069	358.069	358.121	358.069
10	352.188	352.286	352.286	352.431	352.530	352.507	352.599	352.553	352.628
15	342.368	342.536	342.681	342.832	342.954	343.076	343.122	343.169	343.192
20	328.802	329.098	329.336	329.631	329.800	329.997	330.090	330.211	330.165
25	312.127	312.469	312.782	313.200	313.438	313.635	313.826	313.902	313.977
30	292.923	293.335	293.799	294.164	294.553	294.820	294.965	295.133	295.162
35	271.359	271.846	272.356	272.774	273.163	273.453	273.644	273.818	273.818
40	248.246	248.727	249.267	249.632	250.044	250.357	250.577	250.676	250.821
45	223.787	224.298	224.762	225.173	225.539	225.858	226.072	226.246	226.217
50	198.627	198.992	199.358	199.746	200.065	200.280	200.500	200.668	200.697
55	173.008	173.374	173.687	174.029	174.249	174.441	174.609	174.708	174.684
60	146.949	147.262	147.482	147.749	147.923	148.091	148.213	148.283	148.335
65	120.959	121.110	121.301	121.469	121.568	121.690	121.765	121.835	121.788
70	95.485	95.584	95.683	95.729	95.828	95.897	95.949	95.973	95.973
75	70.667	70.644	70.690	70.644	70.690	70.690	70.766	70.812	70.835
80	47.282	47.235	47.183	47.206	47.183	47.183	47.206	47.235	47.258
85	24.604	24.604	24.551	24.482	24.453	24.482	24.482	24.453	24.453
90	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	130.44	N.A.	13.20
0-30	274.05	N.A.	27.60
0-40	443.52	N.A.	44.70
0-60	770.38	N.A.	77.70
0-80	965.14	N.A.	97.30
0-90	991.47	N.A.	100.00
10-90	957.49	N.A.	96.60
20-40	313.08	N.A.	31.60
20-50	485.47	N.A.	49.00
40-70	446.65	N.A.	45.00
60-80	194.76	N.A.	19.60
70-80	74.97	N.A.	7.60
80-90	26.33	N.A.	2.70
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	991.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	33.98
10-20	96.46
20-30	143.61
30-40	169.47
40-50	172.40
50-60	154.46
60-70	119.79
70-80	74.97
80-90	26.33
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

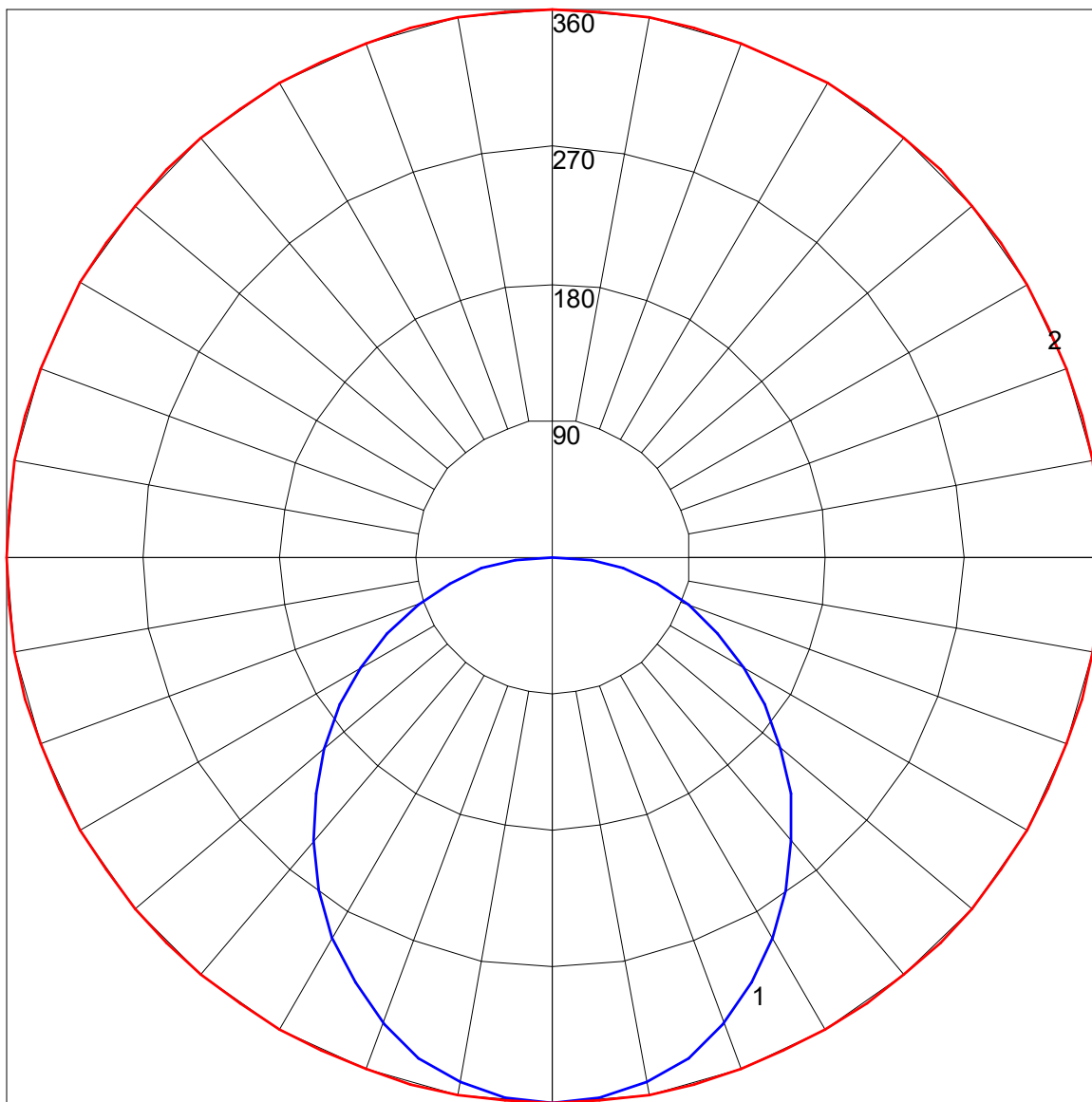
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	76	63	53	47	73	61	53	47	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 359.554 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)