

IES Report

ZipTwo® | 707 | Square 3536, Critical Edge | 80 CRI | LO

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	76	78	79	79
Total Lumens, 4' rail length (1219mm)	1117	1152	1176	1176
Lumens per foot (305mm)	279	288	294	294
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_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L082011216 (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-LO-35-S5-BL

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

[MORE] square 3536, critical edge black lens, low output

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1176
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	14.89
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.11 ft
Luminous Width (90-270)	3.99 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9218	9256	9291
55	8910	8933	8960
65	8552	8549	8538
75	8229	8139	8031
85	8898	8604	8268

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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	405.878	405.878	405.878	405.878	405.878	405.878	405.878	405.878	405.878	405.878
5	404.550	404.596	404.596	404.625	404.596	404.596	404.625	404.672	404.649	404.695
10	398.959	398.982	399.104	399.104	399.057	399.127	399.202	399.179	399.179	399.202
15	389.673	389.748	389.795	389.772	389.818	389.893	389.992	389.963	389.992	390.108
20	376.205	376.281	376.350	376.403	376.495	376.548	376.669	376.669	376.791	376.861
25	359.530	359.507	359.554	359.652	359.722	359.797	359.942	360.087	360.186	360.284
30	339.741	339.718	339.793	339.938	339.961	340.060	340.251	340.303	340.547	340.715
35	317.231	317.231	317.231	317.353	317.451	317.550	317.794	317.962	318.107	318.304
40	292.680	292.680	292.778	292.825	292.946	293.120	293.242	293.410	293.631	293.799
45	266.040	266.087	266.162	266.232	266.377	266.429	266.597	266.719	266.962	267.131
50	237.939	237.817	237.910	237.910	238.032	238.154	238.299	238.421	238.571	238.716
55	208.574	208.545	208.574	208.620	208.696	208.742	208.841	208.933	209.009	209.107
60	178.379	178.379	178.402	178.402	178.425	178.501	178.599	178.599	178.669	178.669
65	147.506	147.558	147.506	147.558	147.506	147.506	147.529	147.506	147.482	147.459
70	116.829	116.876	116.783	116.806	116.731	116.684	116.609	116.510	116.418	116.319
75	86.930	86.930	86.930	86.855	86.756	86.664	86.565	86.397	86.176	85.979
80	58.145	58.122	58.075	57.977	57.878	57.809	57.588	57.490	57.275	57.031
85	31.651	31.651	31.575	31.529	31.430	31.308	31.163	31.018	30.798	30.607
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	405.878	405.878	405.878	405.878	405.878	405.878	405.878	405.878	405.878
5	404.695	404.672	404.672	404.695	404.695	404.718	404.649	404.718	404.649
10	399.301	399.249	399.347	399.301	399.324	399.400	399.400	399.516	399.446
15	390.183	390.183	390.305	390.230	390.282	390.381	390.473	390.427	390.450
20	377.035	377.104	377.180	377.278	377.348	377.348	377.423	377.447	377.423
25	360.505	360.598	360.673	360.841	360.893	360.963	360.963	361.137	361.137
30	340.791	341.005	341.272	341.347	341.423	341.492	341.591	341.661	341.591
35	318.472	318.640	318.785	318.959	319.128	319.180	319.302	319.302	319.325
40	293.967	294.188	294.333	294.478	294.576	294.721	294.820	294.797	294.773
45	267.252	267.421	267.641	267.786	267.908	268.006	268.006	268.128	268.128
50	238.885	239.030	239.175	239.250	239.418	239.494	239.592	239.592	239.639
55	209.252	209.299	209.421	209.519	209.566	209.595	209.716	209.716	209.740
60	178.768	178.744	178.768	178.768	178.913	178.913	178.965	178.866	178.965
65	147.436	147.384	147.361	147.291	147.262	147.216	147.216	147.239	147.262
70	116.151	116.029	115.855	115.762	115.664	115.588	115.466	115.466	115.519
75	85.834	85.643	85.399	85.254	85.057	84.935	84.866	84.813	84.837
80	56.811	56.591	56.324	56.132	55.958	55.813	55.692	55.692	55.668
85	30.363	30.166	29.974	29.777	29.609	29.510	29.412	29.412	29.412
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	148.48	N.A.	12.60
0-30	314.51	N.A.	26.70
0-40	513.67	N.A.	43.70
0-60	906.75	N.A.	77.10
0-80	1143.85	N.A.	97.30
0-90	1175.99	N.A.	100.00
10-90	1137.54	N.A.	96.70
20-40	365.19	N.A.	31.10
20-50	571.25	N.A.	48.60
40-70	539.10	N.A.	45.80
60-80	237.10	N.A.	20.20
70-80	91.08	N.A.	7.70
80-90	32.14	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	1175.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	38.45
10-20	110.03
20-30	166.03
30-40	199.16
40-50	206.06
50-60	187.02
60-70	146.02
70-80	91.08
80-90	32.14
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

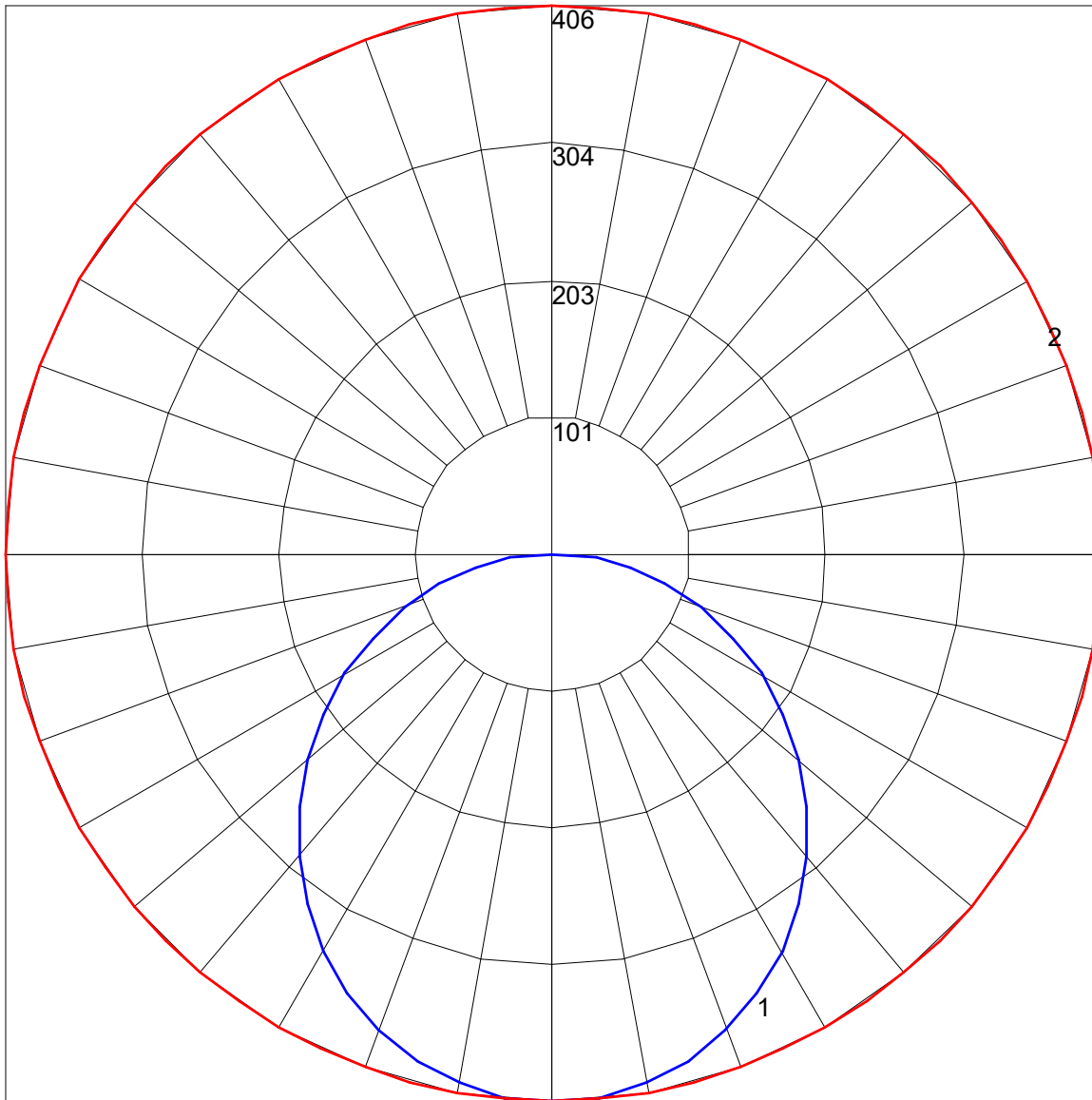
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	69	64	60	57
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

POLAR GRAPH



Maximum Candela = 405.878 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.)