

IES Report

ZipTwo® | 707 | Square, Critical Edge | 90 CRI | LO

707-Z2-4-48-XX-XX-X-0-Z-LO-359-S5-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	55	57	58	58
Total Lumens, 4' rail length (1219mm)	812	838	855	863
Lumens per foot (305mm)	203	209	214	216
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	94	94	94	94

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_359_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-359-S5-AL

[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 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	855
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	57
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	6571	6654	6741
55	6268	6341	6417
65	5972	6020	6072
75	5743	5747	5766
85	6029	5959	5911

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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	309.960	309.960	309.960	309.960	309.960	309.960	309.960	309.960	309.960	309.960
5	308.600	308.475	308.475	308.535	308.515	308.580	308.580	308.680	308.515	308.640
10	303.150	303.150	303.085	303.190	303.190	303.275	303.380	303.400	303.465	303.525
15	294.140	294.075	294.180	294.200	294.350	294.410	294.515	294.685	294.810	295.000
20	281.900	281.860	281.880	282.045	282.130	282.340	282.570	282.760	283.030	283.220
25	266.730	266.835	266.915	267.065	267.210	267.545	267.775	268.070	268.320	268.675
30	249.710	249.815	249.920	250.070	250.280	250.590	250.930	251.285	251.705	252.100
35	230.935	230.955	231.080	231.270	231.545	231.860	232.195	232.610	233.050	233.470
40	210.945	210.965	211.050	211.280	211.550	211.885	212.220	212.685	213.080	213.520
45	190.115	190.155	190.220	190.385	190.615	190.930	191.285	191.665	192.105	192.500
50	168.820	168.800	168.885	169.030	169.240	169.535	169.830	170.140	170.455	170.835
55	147.110	147.090	147.175	147.320	147.490	147.700	147.930	148.245	148.535	148.810
60	125.150	125.190	125.210	125.340	125.445	125.630	125.800	125.990	126.195	126.470
65	103.270	103.270	103.315	103.355	103.460	103.585	103.690	103.815	103.965	104.090
70	81.855	81.855	81.915	81.940	81.940	82.065	82.085	82.105	82.210	82.275
75	60.815	60.815	60.795	60.815	60.815	60.855	60.835	60.875	60.855	60.855
80	40.950	40.925	40.925	40.905	40.925	40.905	40.865	40.845	40.825	40.780
85	21.500	21.520	21.500	21.500	21.460	21.440	21.415	21.355	21.335	21.250
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	309.960	309.960	309.960	309.960	309.960	309.960	309.960	309.960	309.960
5	308.620	308.660	308.660	308.660	308.660	308.680	308.680	308.725	308.680
10	303.610	303.695	303.695	303.820	303.905	303.885	303.965	303.925	303.990
15	295.145	295.290	295.415	295.545	295.650	295.755	295.795	295.835	295.855
20	283.450	283.705	283.910	284.165	284.310	284.480	284.560	284.665	284.625
25	269.075	269.370	269.640	270.000	270.205	270.375	270.540	270.605	270.670
30	252.520	252.875	253.275	253.590	253.925	254.155	254.280	254.425	254.450
35	233.930	234.350	234.790	235.150	235.485	235.735	235.900	236.050	236.050
40	214.005	214.420	214.885	215.200	215.555	215.825	216.015	216.100	216.225
45	192.920	193.360	193.760	194.115	194.430	194.705	194.890	195.040	195.015
50	171.230	171.545	171.860	172.195	172.470	172.655	172.845	172.990	173.015
55	149.145	149.460	149.730	150.025	150.215	150.380	150.525	150.610	150.590
60	126.680	126.950	127.140	127.370	127.520	127.665	127.770	127.830	127.875
65	104.275	104.405	104.570	104.715	104.800	104.905	104.970	105.030	104.990
70	82.315	82.400	82.485	82.525	82.610	82.670	82.715	82.735	82.735
75	60.920	60.900	60.940	60.900	60.940	60.940	61.005	61.045	61.065
80	40.760	40.720	40.675	40.695	40.675	40.675	40.695	40.720	40.740
85	21.210	21.210	21.165	21.105	21.080	21.105	21.105	21.080	21.080
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	112.45	N.A.	13.20
0-30	236.25	N.A.	27.60
0-40	382.34	N.A.	44.70
0-60	664.12	N.A.	77.70
0-80	832.02	N.A.	97.30
0-90	854.71	N.A.	100.00
10-90	825.42	N.A.	96.60
20-40	269.89	N.A.	31.60
20-50	418.51	N.A.	49.00
40-70	385.04	N.A.	45.00
60-80	167.90	N.A.	19.60
70-80	64.63	N.A.	7.60
80-90	22.70	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	854.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	29.29
10-20	83.16
20-30	123.80
30-40	146.09
40-50	148.62
50-60	133.16
60-70	103.26
70-80	64.63
80-90	22.70
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

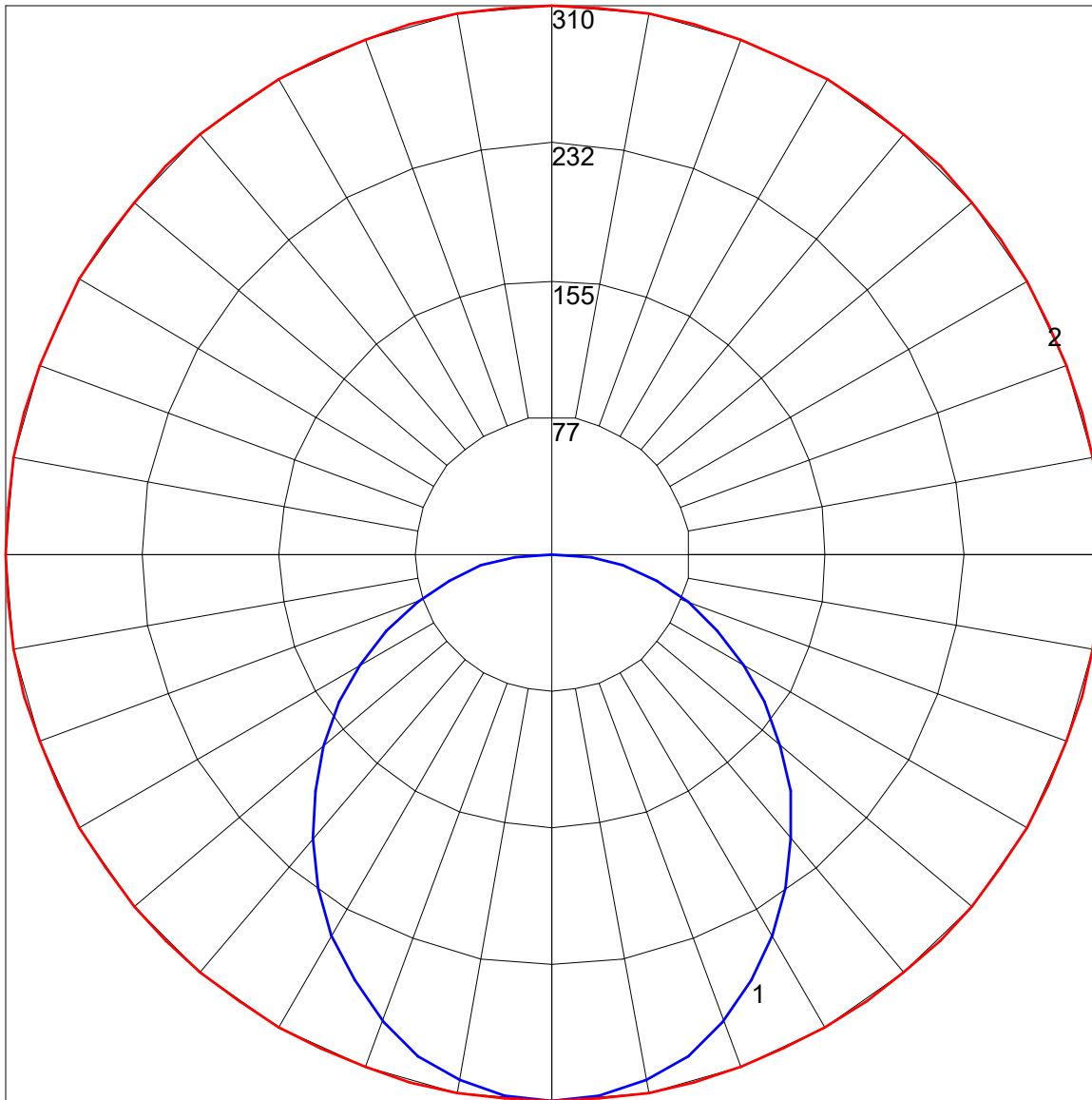
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	93	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	76	63	53	47	73	61	53	46	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	37
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 = 309.96 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.)