

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	73	75	76	76
Total Lumens, 4' rail length (1219mm)	1884	1943	1983	1983
Lumens per foot (305mm)	471	486	496	496
Input Power (W), 4' rail length (1219mm)	26.1	26.1	26.1	26.1
Watts per foot (305mm)	6.6	6.6	6.6	6.6
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_SO_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-SO-35-S5-AL

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

[MORE] standard 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	1983
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	26.11
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	15245	15436	15638
55	14543	14711	14887
65	13856	13966	14086
75	13323	13332	13378
85	13988	13825	13714

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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	719.107	719.107	719.107	719.107	719.107	719.107	719.107	719.107	719.107	719.107
5	715.952	715.662	715.662	715.801	715.755	715.906	715.906	716.138	715.755	716.045
10	703.308	703.308	703.157	703.401	703.401	703.598	703.842	703.888	704.039	704.178
15	682.405	682.254	682.498	682.544	682.892	683.031	683.275	683.669	683.959	684.400
20	654.008	653.915	653.962	654.344	654.542	655.029	655.562	656.003	656.630	657.070
25	618.814	619.057	619.243	619.591	619.927	620.704	621.238	621.922	622.502	623.326
30	579.327	579.571	579.814	580.162	580.650	581.369	582.158	582.981	583.956	584.872
35	535.769	535.816	536.106	536.546	537.184	537.915	538.692	539.655	540.676	541.650
40	489.392	489.439	489.636	490.170	490.796	491.573	492.350	493.429	494.346	495.366
45	441.067	441.160	441.310	441.693	442.227	442.958	443.781	444.663	445.684	446.600
50	391.662	391.616	391.813	392.150	392.637	393.321	394.006	394.725	395.456	396.337
55	341.295	341.249	341.446	341.782	342.177	342.664	343.198	343.928	344.601	345.239
60	290.348	290.441	290.487	290.789	291.032	291.462	291.856	292.297	292.772	293.410
65	239.586	239.586	239.691	239.784	240.027	240.317	240.561	240.851	241.199	241.489
70	189.904	189.904	190.043	190.101	190.101	190.391	190.437	190.484	190.727	190.878
75	141.091	141.091	141.044	141.091	141.091	141.184	141.137	141.230	141.184	141.184
80	95.004	94.946	94.946	94.900	94.946	94.900	94.807	94.760	94.714	94.610
85	49.880	49.926	49.880	49.880	49.787	49.741	49.683	49.544	49.497	49.300
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	719.107	719.107	719.107	719.107	719.107	719.107	719.107	719.107	719.107
5	715.998	716.091	716.091	716.091	716.091	716.138	716.138	716.242	716.138
10	704.375	704.572	704.572	704.862	705.060	705.013	705.199	705.106	705.257
15	684.736	685.073	685.363	685.664	685.908	686.152	686.244	686.337	686.384
20	657.604	658.196	658.671	659.263	659.599	659.994	660.179	660.423	660.330
25	624.254	624.938	625.565	626.400	626.876	627.270	627.653	627.804	627.954
30	585.846	586.670	587.598	588.329	589.106	589.640	589.930	590.266	590.324
35	542.718	543.692	544.713	545.548	546.325	546.905	547.288	547.636	547.636
40	496.492	497.454	498.533	499.264	500.088	500.714	501.155	501.352	501.642
45	447.574	448.595	449.523	450.347	451.078	451.716	452.145	452.493	452.435
50	397.254	397.984	398.715	399.492	400.130	400.560	401.000	401.337	401.395
55	346.016	346.747	347.374	348.058	348.499	348.882	349.218	349.415	349.369
60	293.898	294.524	294.965	295.498	295.846	296.183	296.426	296.566	296.670
65	241.918	242.220	242.602	242.939	243.136	243.380	243.530	243.670	243.577
70	190.971	191.168	191.365	191.458	191.655	191.794	191.899	191.945	191.945
75	141.334	141.288	141.381	141.288	141.381	141.381	141.532	141.624	141.671
80	94.563	94.470	94.366	94.412	94.366	94.366	94.412	94.470	94.517
85	49.207	49.207	49.103	48.964	48.906	48.964	48.964	48.906	48.906
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	260.89	N.A.	13.20
0-30	548.10	N.A.	27.60
0-40	887.04	N.A.	44.70
0-60	1540.76	N.A.	77.70
0-80	1930.28	N.A.	97.30
0-90	1982.94	N.A.	100.00
10-90	1914.98	N.A.	96.60
20-40	626.15	N.A.	31.60
20-50	970.95	N.A.	49.00
40-70	893.29	N.A.	45.00
60-80	389.52	N.A.	19.60
70-80	149.95	N.A.	7.60
80-90	52.66	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	1982.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	67.96
10-20	192.93
20-30	287.22
30-40	338.94
40-50	344.80
50-60	308.92
60-70	239.57
70-80	149.95
80-90	52.66
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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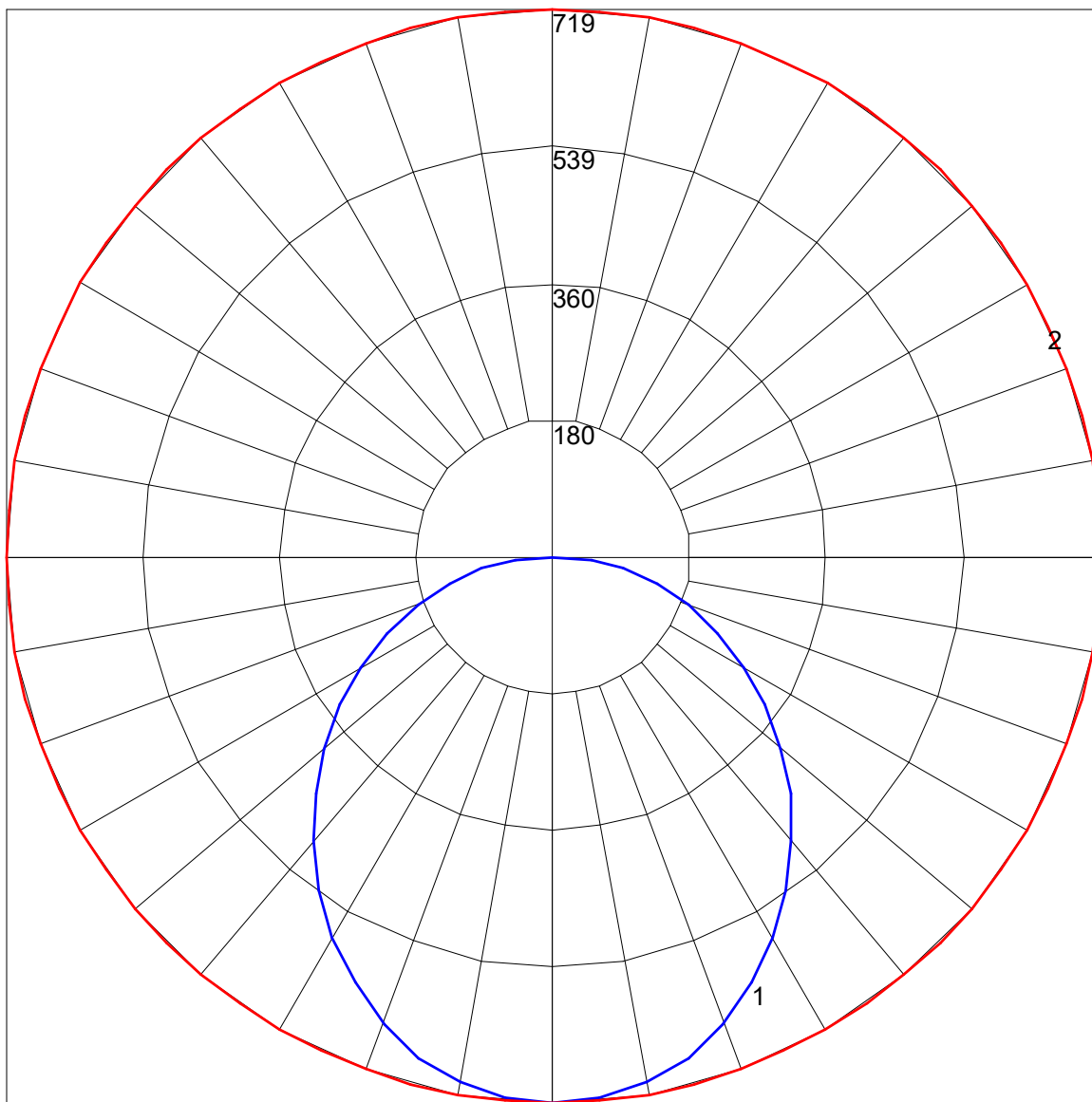
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	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	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 = 719.107 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.)