

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	72	74	76	76
Total Lumens, 4' rail length (1219mm)	2826	2915	2974	2974
Lumens per foot (305mm)	706	729	744	744
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_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-HO-35-S5-AL

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

[MORE] high 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	2974
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	39.55
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	22868	23155	23457
55	21814	22066	22330
65	20783	20948	21130
75	19985	19998	20067
85	20981	20737	20571

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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	1078.661	1078.661	1078.661	1078.661	1078.661	1078.661	1078.661	1078.661	1078.661	1078.661
5	1073.928	1073.493	1073.493	1073.702	1073.632	1073.858	1073.858	1074.206	1073.632	1074.067
10	1054.962	1054.962	1054.736	1055.101	1055.101	1055.397	1055.762	1055.832	1056.058	1056.267
15	1023.607	1023.381	1023.746	1023.816	1024.338	1024.547	1024.912	1025.504	1025.939	1026.600
20	981.012	980.873	980.942	981.517	981.812	982.543	983.344	984.005	984.944	985.606
25	928.220	928.586	928.864	929.386	929.891	931.057	931.857	932.884	933.754	934.989
30	868.991	869.356	869.722	870.244	870.974	872.053	873.236	874.472	875.933	877.308
35	803.654	803.723	804.158	804.820	805.777	806.873	808.039	809.483	811.014	812.476
40	734.089	734.158	734.454	735.254	736.194	737.360	738.526	740.144	741.518	743.050
45	661.600	661.739	661.966	662.540	663.340	664.436	665.672	666.994	668.525	669.900
50	587.494	587.424	587.720	588.224	588.955	589.982	591.008	592.087	593.183	594.506
55	511.943	511.873	512.169	512.674	513.265	513.996	514.796	515.893	516.902	517.859
60	435.522	435.661	435.731	436.183	436.549	437.192	437.784	438.445	439.159	440.116
65	359.380	359.380	359.536	359.675	360.041	360.476	360.841	361.276	361.798	362.233
70	284.855	284.855	285.064	285.151	285.151	285.586	285.656	285.725	286.091	286.317
75	211.636	211.636	211.567	211.636	211.636	211.775	211.706	211.845	211.775	211.775
80	142.506	142.419	142.419	142.349	142.419	142.349	142.210	142.141	142.071	141.914
85	74.820	74.890	74.820	74.820	74.681	74.611	74.524	74.315	74.246	73.950
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	1078.661	1078.661	1078.661	1078.661	1078.661	1078.661	1078.661	1078.661	1078.661
5	1073.998	1074.137	1074.137	1074.137	1074.137	1074.206	1074.206	1074.363	1074.206
10	1056.563	1056.859	1056.859	1057.294	1057.589	1057.520	1057.798	1057.659	1057.885
15	1027.105	1027.609	1028.044	1028.497	1028.862	1029.227	1029.367	1029.506	1029.575
20	986.406	987.293	988.007	988.894	989.399	989.990	990.269	990.634	990.495
25	936.381	937.408	938.347	939.600	940.313	940.905	941.479	941.705	941.932
30	878.770	880.005	881.397	882.493	883.659	884.459	884.894	885.399	885.486
35	814.076	815.538	817.069	818.322	819.488	820.358	820.932	821.454	821.454
40	744.737	746.182	747.800	748.896	750.131	751.071	751.732	752.028	752.463
45	671.362	672.893	674.285	675.520	676.616	677.573	678.217	678.739	678.652
50	595.880	596.977	598.073	599.239	600.196	600.839	601.501	602.005	602.092
55	519.025	520.121	521.060	522.087	522.748	523.322	523.827	524.123	524.053
60	440.846	441.786	442.447	443.248	443.770	444.274	444.640	444.848	445.005
65	362.877	363.329	363.904	364.408	364.704	365.069	365.296	365.504	365.365
70	286.456	286.752	287.048	287.187	287.483	287.692	287.848	287.918	287.918
75	212.002	211.932	212.071	211.932	212.071	212.071	212.297	212.437	212.506
80	141.845	141.706	141.549	141.619	141.549	141.549	141.619	141.706	141.775
85	73.811	73.811	73.654	73.445	73.358	73.445	73.445	73.358	73.358
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	391.33	N.A.	13.20
0-30	822.15	N.A.	27.60
0-40	1330.56	N.A.	44.70
0-60	2311.13	N.A.	77.70
0-80	2895.42	N.A.	97.30
0-90	2974.4	N.A.	100.00
10-90	2872.46	N.A.	96.60
20-40	939.23	N.A.	31.60
20-50	1456.42	N.A.	49.00
40-70	1339.94	N.A.	45.00
60-80	584.28	N.A.	19.60
70-80	224.92	N.A.	7.60
80-90	78.99	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	2974.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	101.94
10-20	289.39
20-30	430.83
30-40	508.40
40-50	517.19
50-60	463.38
60-70	359.36
70-80	224.92
80-90	78.99
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

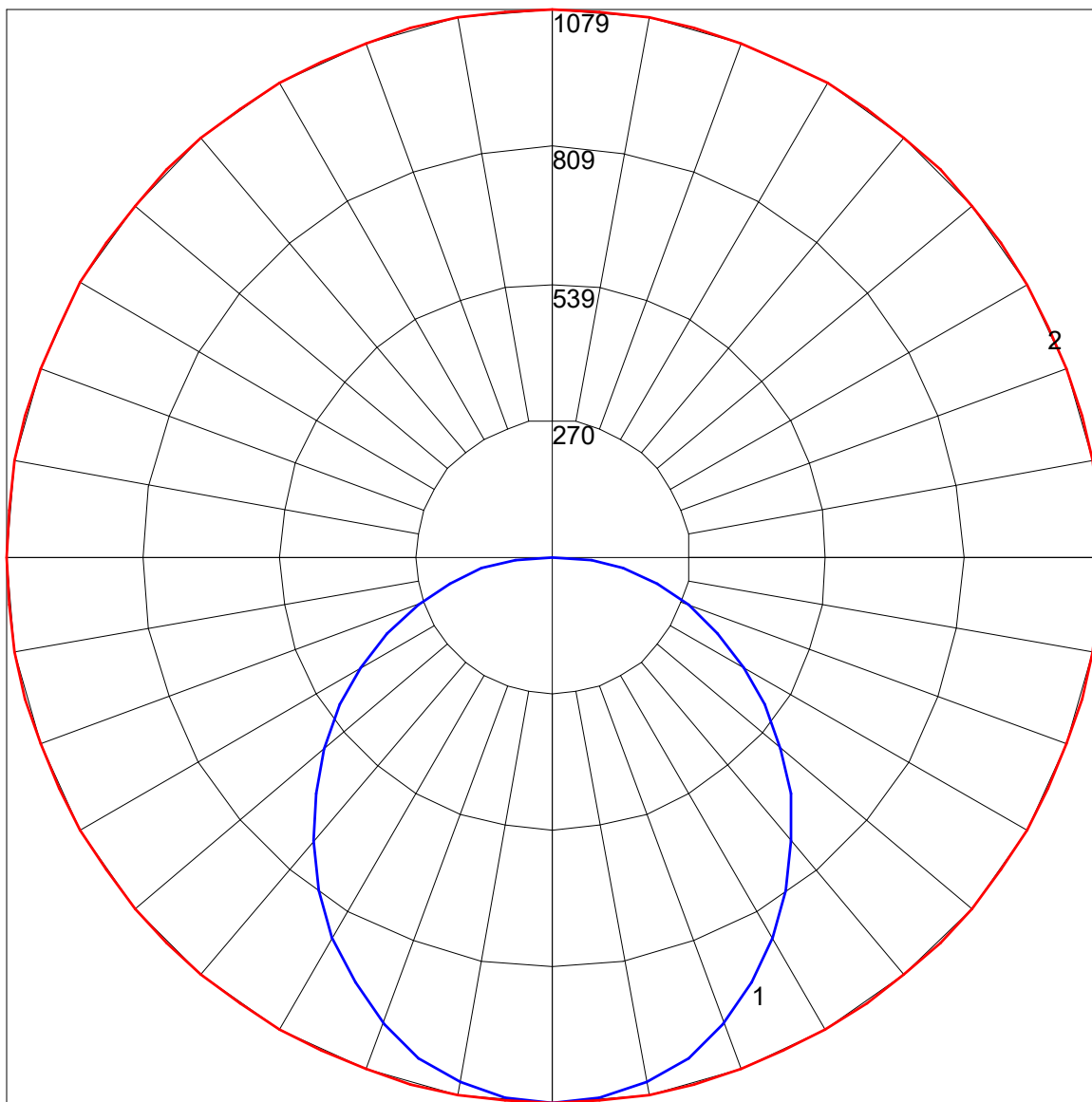
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	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 = 1078.661 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.)