

IES Report

WingRail® | 107 | Diffuse | 80 CRI | LO

107-WG-XX-4-48-XX-XX-XX-XX-X-X-Z-LO-35-D1-X-XX-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	65	67	69	70
Total Lumens, 4' rail length (1219mm)	971	1001	1022	1042
Lumens per foot (305mm)	243	250	255	261
Input Power (W), 4' rail length (1219mm)	15.0	15.0	15.0	15.0
Watts per foot (305mm)	3.8	3.8	3.8	3.8
CRI	85	85	85	85

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_107_WG_LO_35_D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L091700110 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
[ISSUEDATE] 11/1/2017
[MANUFAC] Vode Lighting
[LUMCAT] 107-WG-48-Z-LO-35-D1
[LUMINAIRE] WingRail LED, 48", 3500K, 80 CRI, zipper board,
[MORE] diffuse lens, low output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1022
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	14.95
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)	0.13 ft
Luminous Width (90-270)	3.83 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7273	7268	7270
55	6975	6978	7004
65	6464	6505	6557
75	5506	5614	5723
85	4033	3771	4033

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CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0	359.902	359.902	359.902	359.902	359.902	359.902	359.902	359.902	359.902	359.902
5	358.127	358.220	358.173	358.220	358.220	358.127	358.278	358.080	358.278	358.278
10	353.220	353.220	353.266	353.406	353.313	353.359	353.406	353.313	353.510	353.452
15	345.506	345.320	345.123	345.367	345.413	345.367	345.413	345.274	345.170	345.367
20	333.952	334.092	333.860	333.952	334.138	334.138	334.382	334.242	334.045	333.999
25	320.276	320.079	319.789	319.893	320.125	319.940	319.893	319.835	319.789	319.789
30	303.224	303.178	302.980	303.085	303.131	303.027	303.131	302.980	303.085	302.934
35	283.574	283.724	283.574	283.574	283.666	283.527	283.527	283.434	283.434	283.434
40	261.998	261.951	261.858	261.858	261.800	261.858	261.754	261.800	261.800	261.661
45	238.113	238.160	238.009	238.113	238.009	237.962	238.009	238.206	238.009	237.962
50	212.396	212.292	212.338	212.338	212.442	212.489	212.442	212.489	212.535	212.535
55	185.229	185.136	184.985	185.090	185.136	185.182	185.229	185.368	185.322	185.322
60	156.426	156.380	156.182	156.287	156.333	156.472	156.577	156.623	156.762	156.809
65	126.475	126.475	126.428	126.521	126.475	126.718	126.765	126.904	127.055	127.287
70	96.222	96.176	96.083	96.222	96.222	96.419	96.663	96.802	97.046	97.138
75	65.981	66.027	65.981	66.074	66.178	66.364	66.514	66.746	66.944	67.280
80	37.851	37.909	37.804	37.909	37.909	38.048	38.094	38.292	38.535	38.814
85	16.275	16.136	15.985	15.938	15.846	15.799	15.648	15.509	15.358	15.219
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	50	55	60	65	70	75	80	85	90
0	359.902	359.902	359.902	359.902	359.902	359.902	359.902	359.902	359.902
5	358.173	358.463	358.127	358.417	358.324	358.278	358.220	358.324	358.220
10	353.452	353.359	353.313	353.220	353.452	353.406	353.452	353.452	353.313
15	345.274	345.170	345.216	345.216	345.170	344.984	344.984	345.216	345.216
20	333.860	333.999	333.802	333.999	333.999	333.755	333.755	333.802	333.662
25	319.650	319.650	319.545	319.696	319.650	319.650	319.650	319.545	319.603
30	302.795	302.841	302.690	302.795	302.795	302.551	302.888	302.795	302.737
35	283.284	283.376	283.284	283.237	283.098	283.098	283.144	283.191	283.376
40	261.522	261.615	261.754	261.615	261.800	261.615	261.522	261.708	261.800
45	237.962	237.916	238.009	238.067	237.916	237.916	238.113	238.009	238.009
50	212.489	212.582	212.628	212.582	212.628	212.535	212.686	212.732	212.779
55	185.472	185.565	185.612	185.612	185.762	185.809	185.762	185.902	185.994
60	157.052	157.203	157.296	157.250	157.389	157.540	157.679	157.679	157.586
65	127.438	127.728	127.774	127.867	128.064	128.157	128.203	128.308	128.308
70	97.382	97.718	97.869	98.008	98.148	98.298	98.391	98.438	98.438
75	67.477	67.663	67.999	68.196	68.347	68.486	68.533	68.579	68.579
80	39.011	39.254	39.637	39.927	40.020	40.217	40.264	40.310	40.356
85	15.173	15.173	15.312	15.509	15.753	15.985	16.136	16.228	16.275
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	131.46	N.A.	12.90
0-30	278.83	N.A.	27.30
0-40	456.12	N.A.	44.60
0-60	805.36	N.A.	78.80
0-80	1002.73	N.A.	98.10
0-90	1021.89	N.A.	100.00
10-90	987.85	N.A.	96.70
20-40	324.66	N.A.	31.80
20-50	508.24	N.A.	49.70
40-70	475.19	N.A.	46.50
60-80	197.37	N.A.	19.30
70-80	71.42	N.A.	7.00
80-90	19.16	N.A.	1.90
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	1021.89	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	34.04
10-20	97.42
20-30	147.37
30-40	177.29
40-50	183.57
50-60	165.66
60-70	125.95
70-80	71.42
80-90	19.16
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

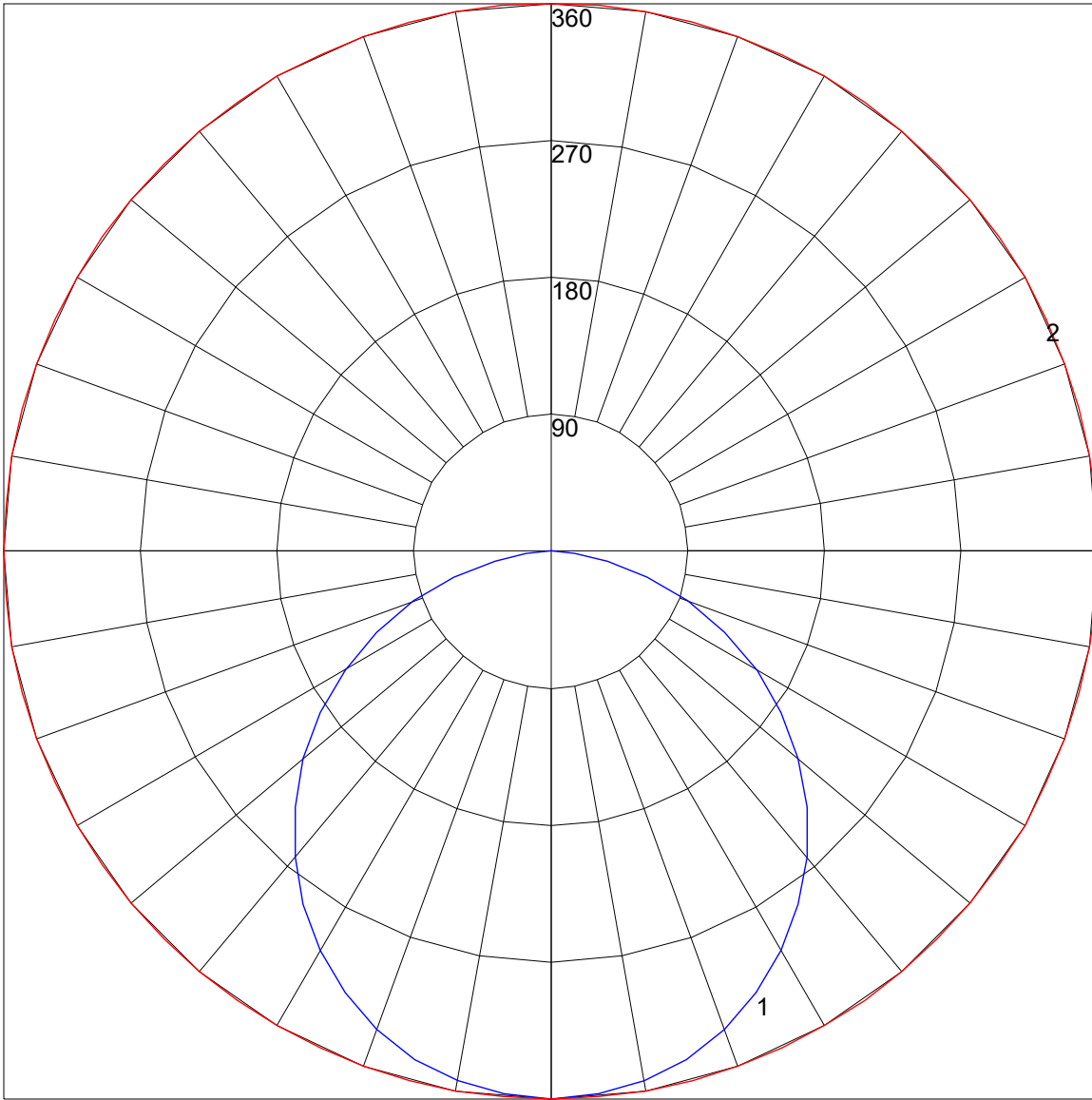
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	70	61	55	80	69	61	54	66	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43
6	70	56	47	41	68	56	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	36	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	28	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 359.902 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)