

IES Report

ZipTwo® | 707 | Round, Diffuse | 90 CRI | HO

707-Z2-4-48-XX-XX-X-0-Z-HO-359-S4-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	88	91	92	94
Total Lumens, 4' rail length (1219mm)	3438	3547	3619	3691
Lumens per foot (305mm)	860	887	905	923
Input Power (W), 4' rail length (1219mm)	39.4	39.4	39.4	39.4
Watts per foot (305mm)	9.9	9.9	9.9	9.9
CRI	95	95	95	95

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_359_S4.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L071704231 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
[ISSUEDATE] 11/1/2017
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z2-48-Z-HO-359-S4
[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,
[MORE] round diffuse lens, high output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3619
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	39.36
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.04 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17412	18151	21577
55	15918	16475	20589
65	14439	14592	19129
75	12994	12482	16284
85	12000	10634	10823

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1119.379	1119.379	1119.379	1119.379	1119.379
5	1114.574	1114.896	1113.947	1114.452	1114.574
10	1101.370	1101.172	1099.963	1099.519	1099.075
15	1078.237	1078.558	1076.080	1074.488	1073.922
20	1047.361	1046.673	1043.307	1039.941	1039.880
25	1008.362	1007.796	1002.012	997.759	996.550
30	960.978	959.264	952.333	945.540	944.591
35	906.479	904.505	894.086	886.344	884.753
40	845.233	841.622	830.499	819.896	818.045
45	778.540	774.792	760.058	748.690	745.125
50	708.283	701.612	684.201	669.145	665.978
55	635.485	625.632	603.539	585.623	579.197
60	561.418	550.739	524.637	497.770	494.725
65	489.768	475.784	441.864	410.422	399.299
70	417.858	400.891	362.212	320.413	302.236
75	349.375	332.806	287.181	234.656	211.400
80	285.727	266.358	218.331	157.406	123.991
85	228.429	208.095	159.885	93.820	50.827
90	178.123	159.319	115.867	49.924	6.487
95	135.558	123.165	75.720	23.822	1.912
100	99.863	85.190	48.975	11.184	0.000
105	72.537	59.655	31.059	5.845	0.000
110	50.566	40.652	19.186	4.192	0.000
115	34.180	26.744	12.010	4.009	0.000
120	22.353	17.411	8.063	4.192	0.000
125	14.734	11.506	6.487	4.315	0.000
130	10.037	8.446	5.906	4.513	0.000
135	7.879	7.176	5.783	4.575	0.000
140	7.114	6.732	5.722	4.835	0.000
145	6.732	6.411	5.722	0.000	0.000
150	6.349	6.227	5.722	0.000	0.000
155	6.227	5.906	5.661	0.000	0.000
160	5.967	5.722	0.000	0.000	0.000
165	5.845	5.783	0.000	0.000	0.000
170	5.722	5.722	0.000	0.000	0.000
175	5.584	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	409.73	N.A.	11.30
0-30	871.71	N.A.	24.10
0-40	1431.77	N.A.	39.60
0-60	2561.06	N.A.	70.80
0-80	3301.16	N.A.	91.20
0-90	3469.29	N.A.	95.90
10-90	3363.36	N.A.	92.90
20-40	1022.03	N.A.	28.20
20-50	1609.21	N.A.	44.50
40-70	1568.31	N.A.	43.30
60-80	740.10	N.A.	20.50
70-80	301.08	N.A.	8.30
80-90	168.13	N.A.	4.60
90-110	118.05	N.A.	3.30
90-120	133.61	N.A.	3.70
90-130	140.60	N.A.	3.90
90-150	147.49	N.A.	4.10
90-180	149.77	N.A.	4.10
110-180	31.72	N.A.	0.90
0-180	3619.07	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	105.93
10-20	303.80
20-30	461.98
30-40	560.05
40-50	587.18
50-60	542.11
60-70	439.02
70-80	301.08
80-90	168.13
90-100	81.59
100-110	36.46
110-120	15.56
120-130	6.99
130-140	4.25
140-150	2.64
150-160	1.56
160-170	0.62
170-180	0.11

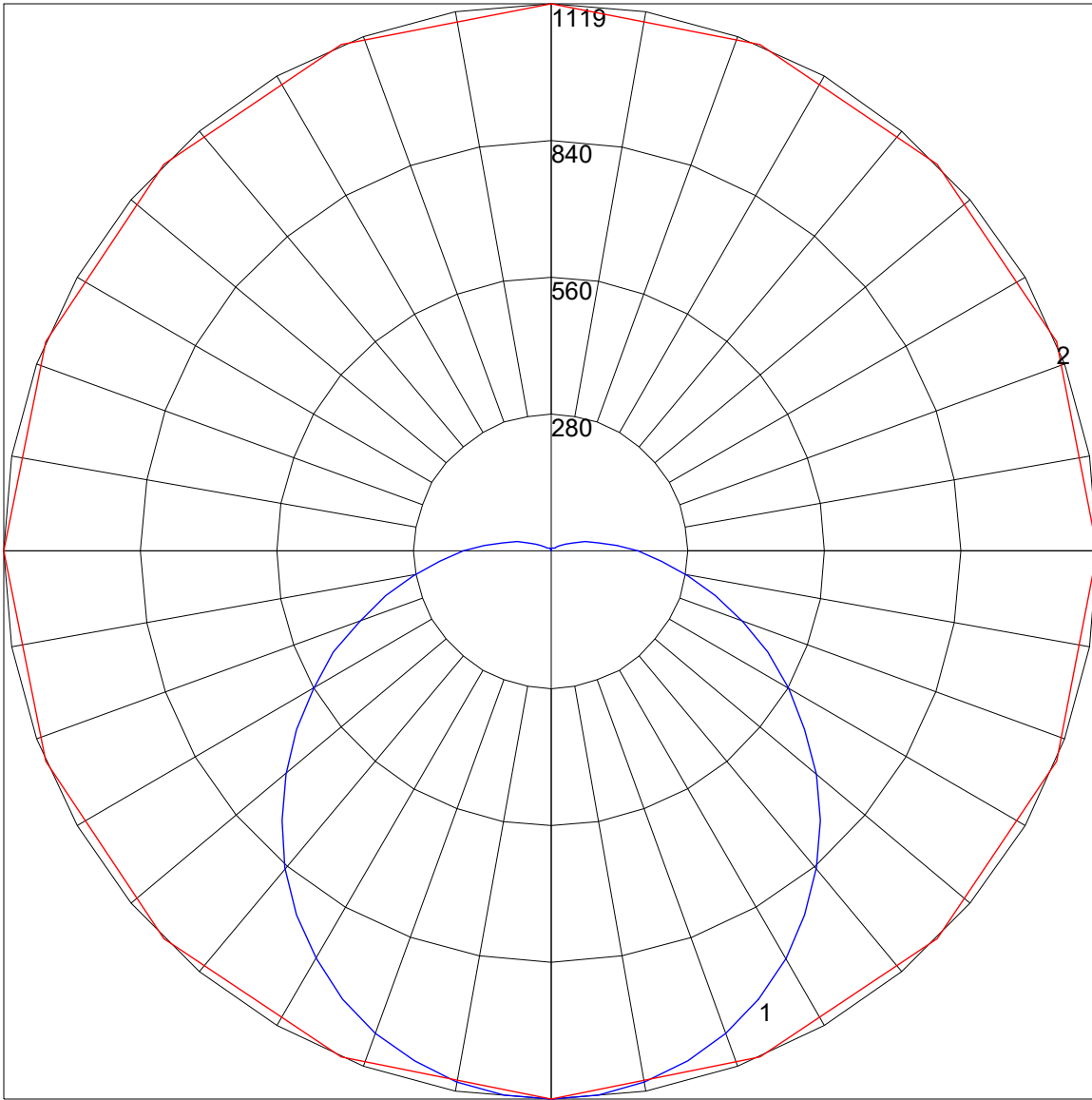
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	106	101	96	92	92	103	98	94	90	93	90	86	89	86	83	84	82	80	77
2	96	87	80	74	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61	61	85	74	66	60	71	64	58	67	62	57	64	59	55	53
4	80	67	58	51	51	77	66	57	51	63	55	49	60	53	48	57	52	47	45
5	73	60	51	44	44	71	59	50	43	56	48	43	54	47	42	51	46	41	39
6	68	54	45	38	38	65	53	44	38	51	43	37	48	42	36	46	40	36	34
7	63	49	40	34	34	61	48	39	33	46	38	33	44	37	32	42	36	32	30
8	58	45	36	30	30	56	44	35	30	42	35	29	40	34	29	39	33	28	26
9	54	41	32	27	27	53	40	32	27	39	31	26	37	31	26	36	30	26	24
10	51	38	30	24	24	50	37	29	24	36	29	24	34	28	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 1119.379 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.)