

IES Report

ZipTwo® | 707 | Square, Diffuse | 80 CRI | LO

707-Z2-4-48-XX-XX-X-0-Z-LO-35-S6-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	101	104	106	108
Total Lumens, 4' rail length (1219mm)	1634	1686	1721	1755
Lumens per foot (305mm)	409	422	430	439
Input Power (W), 4' rail length (1219mm)	16.3	16.3	16.3	16.3
Watts per foot (305mm)	4.1	4.1	4.1	4.1
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_707_Z2_LO_35_S6.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L071704233 (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-LO-35-S6
 [LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board
 [MORE] diffuse square lens, low output
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1716
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	16.25
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.70
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.64
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	4.02 ft
Luminous Height	0.10 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5163	4798	4915
55	5150	4653	4601
65	4989	4458	4294
75	4660	4272	3981
85	4288	4044	3603

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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	281.200	281.200	281.200	281.200	281.200
5	288.905	288.073	285.619	282.020	279.400
10	296.398	294.611	289.147	281.507	274.598
15	301.938	299.195	290.156	277.955	266.367
20	306.540	301.862	288.852	271.559	255.494
25	309.921	303.384	285.672	262.792	242.561
30	312.665	303.944	280.769	251.965	226.589
35	314.529	303.431	274.551	239.422	209.491
40	315.213	301.714	266.686	225.510	191.850
45	313.892	298.115	257.452	210.370	173.088
50	309.579	291.944	246.402	193.420	152.851
55	301.248	282.634	233.693	177.867	132.815
60	288.657	269.966	219.262	160.521	112.731
65	271.512	253.216	201.821	142.249	92.890
70	250.496	233.274	185.112	123.729	73.437
75	226.879	211.621	166.327	105.846	54.722
80	201.550	189.378	146.532	87.987	38.604
85	177.838	166.055	127.062	70.865	19.600
90	157.459	145.405	110.477	55.678	6.956
95	147.565	137.741	104.477	53.696	4.608
100	141.098	131.741	100.530	52.274	4.508
105	135.216	126.154	96.660	50.610	4.407
110	129.534	120.714	92.471	48.846	4.360
115	123.511	114.985	87.916	46.421	4.260
120	116.991	108.666	83.019	43.678	4.213
125	109.887	102.023	77.797	39.683	4.165
130	102.099	94.724	70.399	35.665	4.065
135	93.621	86.400	61.732	31.282	4.018
140	84.411	77.821	53.967	27.388	3.870
145	74.470	67.266	46.421	23.175	3.770
150	63.932	55.407	40.444	19.647	3.823
155	53.059	44.238	33.093	16.072	0.000
160	41.890	32.922	25.158	13.570	0.000
165	29.447	23.517	18.396	10.974	0.000
170	17.488	15.358	13.181	8.130	0.000
175	8.083	8.915	7.670	5.269	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	108.68	N.A.	6.30
0-30	238.92	N.A.	13.90
0-40	408.10	N.A.	23.80
0-60	806.63	N.A.	47.00
0-80	1164.6	N.A.	67.90
0-90	1291.61	N.A.	75.30
10-90	1264.35	N.A.	73.70
20-40	299.43	N.A.	17.50
20-50	494.28	N.A.	28.80
40-70	591.50	N.A.	34.50
60-80	357.96	N.A.	20.90
70-80	164.99	N.A.	9.60
80-90	127.01	N.A.	7.40
90-110	192.75	N.A.	11.20
90-120	270.43	N.A.	15.80
90-130	332.34	N.A.	19.40
90-150	404.47	N.A.	23.60
90-180	424.26	N.A.	24.70
110-180	231.50	N.A.	13.50
0-180	1715.86	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	27.25
10-20	81.42
20-30	130.25
30-40	169.18
40-50	194.85
50-60	203.68
60-70	192.97
70-80	164.99
80-90	127.01
90-100	101.96
100-110	90.79
110-120	77.67
120-130	61.91
130-140	44.33
140-150	27.80
150-160	14.09
160-170	4.98
170-180	0.72

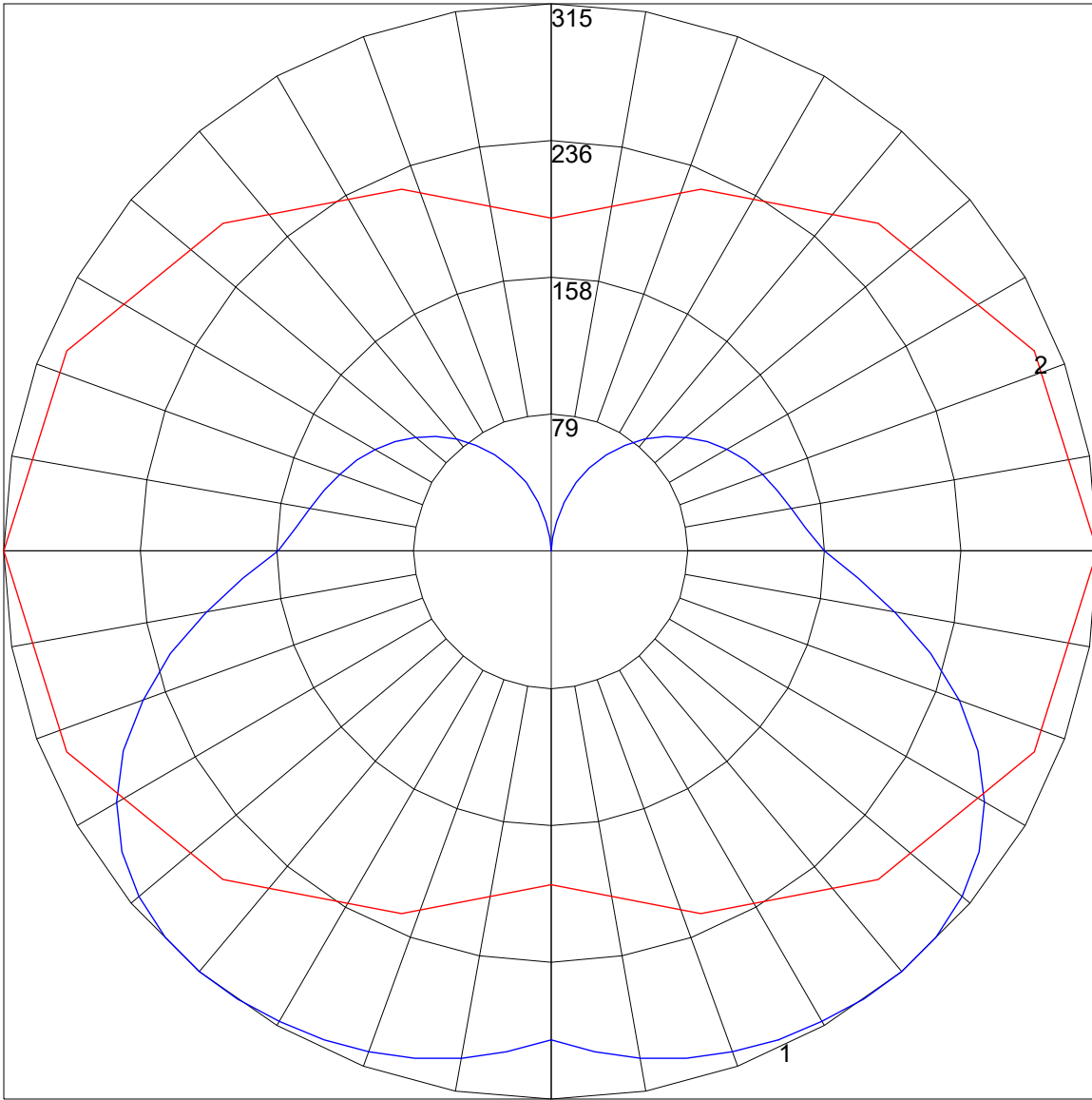
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75
1	100	94	88	84	94	89	84	80	80	76	73	72	69	66	65	62	60	56
2	89	80	72	65	84	76	69	63	68	62	57	61	56	52	55	51	48	44
3	81	69	60	53	76	66	57	51	59	52	47	53	47	43	47	43	39	36
4	73	60	51	44	69	57	49	42	52	44	39	46	40	36	41	37	33	29
5	67	53	44	37	63	51	42	35	46	38	33	41	35	30	37	32	28	25
6	62	48	38	32	58	45	37	30	41	34	28	37	31	26	33	28	24	21
7	57	43	34	27	54	41	32	26	37	30	25	33	27	23	30	25	21	18
8	53	39	30	24	50	37	29	23	34	27	22	31	24	20	28	22	19	16
9	49	35	27	21	46	34	26	21	31	24	19	28	22	18	25	20	17	14
10	46	32	24	19	43	31	24	18	28	22	17	26	20	16	23	18	15	13

POLAR GRAPH



Maximum Candela = 315.213 Located At Horizontal Angle = 0, Vertical Angle = 40
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (40) (Through Max. Cd.)