

IES Report

ZipTwo[®] | 707 | Square, Diffuse | 80 CRI | HO

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	125	129	132	134
Total Lumens, 4' rail length (1219mm)	4903	5058	5162	5265
Lumens per foot (305mm)	1226	1265	1290	1316
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	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_HO_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-HO-35-S6
 [LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,
 [MORE] diffuse square lens, high output
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5148
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	39.36
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	15489	14394	14744
55	15450	13958	13804
65	14968	13375	12881
75	13980	12815	11943
85	12863	12132	10809

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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	843.600	843.600	843.600	843.600	843.600
5	866.716	864.220	856.857	846.060	838.201
10	889.195	883.832	867.442	844.520	823.793
15	905.815	897.585	870.468	833.865	799.102
20	919.621	905.585	866.557	814.678	766.481
25	929.763	910.152	857.016	788.376	727.682
30	937.994	911.833	842.308	755.896	679.768
35	943.587	910.293	823.652	718.266	628.474
40	945.640	905.143	800.058	676.529	575.551
45	941.675	894.346	772.357	631.111	519.265
50	928.737	875.831	739.205	580.259	458.554
55	903.744	847.901	701.079	533.602	398.445
60	865.972	809.899	657.785	481.564	338.194
65	814.536	759.649	605.464	426.747	278.669
70	751.489	699.823	555.337	371.187	220.312
75	680.636	634.864	498.981	317.538	164.167
80	604.650	568.135	439.597	263.960	115.811
85	533.513	498.166	381.187	212.595	58.799
90	472.378	436.216	331.432	167.035	20.868
95	442.695	413.224	313.432	161.088	13.824
100	423.295	395.223	301.590	156.822	13.523
105	405.649	378.461	289.979	151.831	13.222
110	388.603	362.142	277.412	146.538	13.080
115	370.532	344.955	263.748	139.264	12.779
120	350.973	325.999	249.057	131.033	12.638
125	329.662	306.068	233.392	119.050	12.496
130	306.298	284.173	211.196	106.996	12.195
135	280.864	259.199	185.195	93.845	12.054
140	253.234	233.463	161.902	82.163	11.611
145	223.409	201.798	139.264	69.526	11.310
150	191.797	166.221	121.333	58.941	11.470
155	159.176	132.715	99.279	48.215	0.000
160	125.670	98.766	75.473	40.710	0.000
165	88.341	70.552	55.189	32.922	0.000
170	52.463	46.073	39.542	24.391	0.000
175	24.249	26.745	23.010	15.806	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	326.03	N.A.	6.30
0-30	716.77	N.A.	13.90
0-40	1224.3	N.A.	23.80
0-60	2419.89	N.A.	47.00
0-80	3493.79	N.A.	67.90
0-90	3874.82	N.A.	75.30
10-90	3793.06	N.A.	73.70
20-40	898.28	N.A.	17.50
20-50	1482.83	N.A.	28.80
40-70	1774.51	N.A.	34.50
60-80	1073.9	N.A.	20.90
70-80	494.98	N.A.	9.60
80-90	381.03	N.A.	7.40
90-110	578.26	N.A.	11.20
90-120	811.29	N.A.	15.80
90-130	997.03	N.A.	19.40
90-150	1213.42	N.A.	23.60
90-180	1272.77	N.A.	24.70
110-180	694.51	N.A.	13.50
0-180	5147.59	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	81.76
10-20	244.26
20-30	390.74
30-40	507.53
40-50	584.55
50-60	611.04
60-70	578.92
70-80	494.98
80-90	381.03
90-100	305.89
100-110	272.37
110-120	233.02
120-130	185.74
130-140	132.99
140-150	83.40
150-160	42.28
160-170	14.93
170-180	2.15

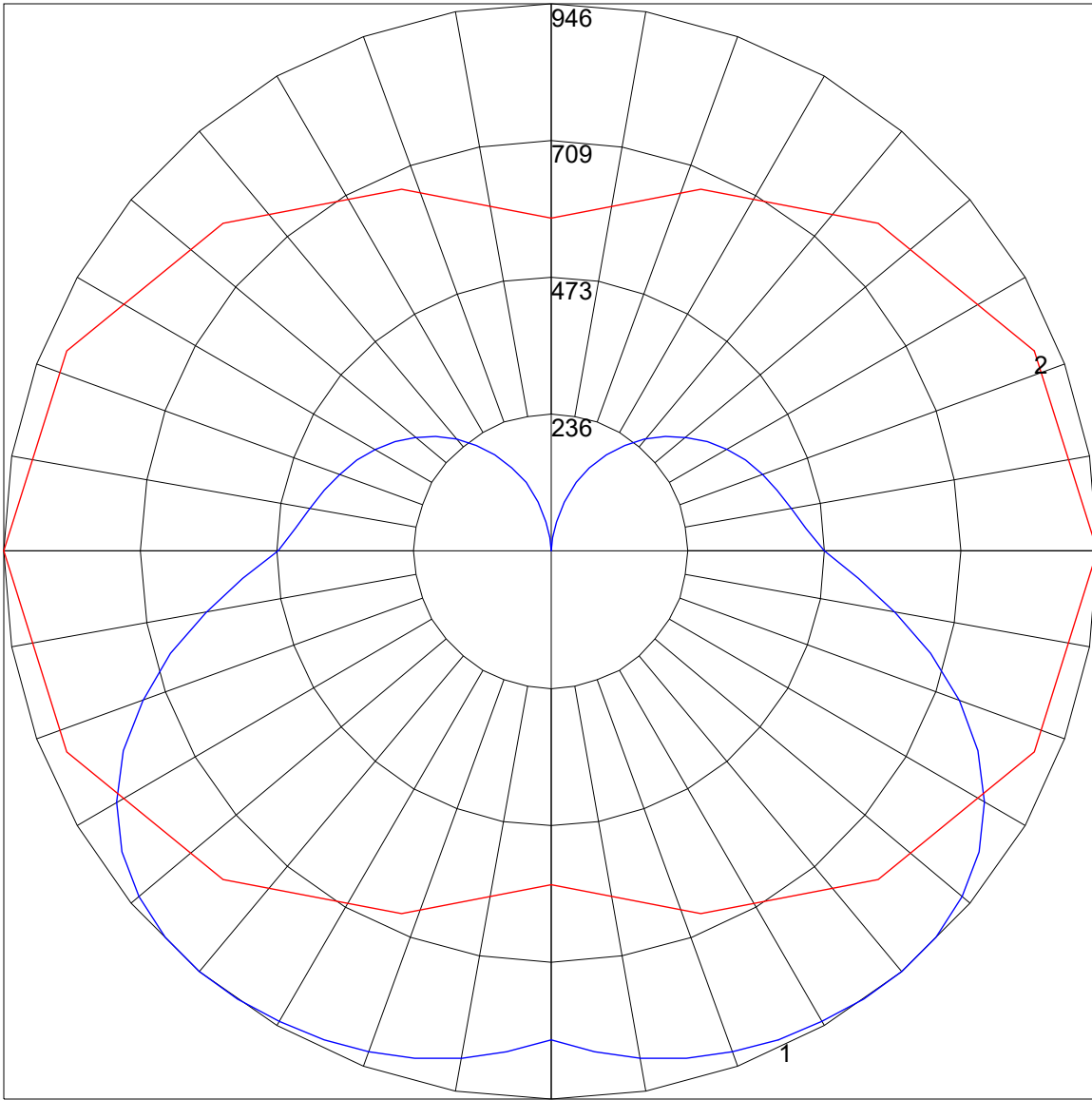
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 945.64 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.)