

IES Report

ZipTwo® | 707 | Square 3536, Critical Edge | 90 CRI | HO

707-Z2-4-48-XX-XX-X-0-Z-HO-359-S5-X-BL-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	74	76	77	78
Total Lumens, 4' rail length (1219mm)	2889	2981	3041	3072
Lumens per foot (305mm)	722	745	760	768
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	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_S5_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L082011216 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 9/9/2020

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z2-48-Z-HO-359-S5-BL

[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,

[MORE] square 3536, critical edge black lens, high output

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3041
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	39.55
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)	0.11 ft
Luminous Width (90-270)	3.99 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	23841	23939	24028
55	23042	23101	23171
65	22117	22110	22080
75	21283	21050	20771
85	23012	22253	21384

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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	1049.685	1049.685	1049.685	1049.685	1049.685	1049.685	1049.685	1049.685	1049.685	1049.685
5	1046.250	1046.370	1046.370	1046.445	1046.370	1046.370	1046.445	1046.565	1046.505	1046.625
10	1031.790	1031.850	1032.165	1032.165	1032.045	1032.225	1032.420	1032.360	1032.360	1032.420
15	1007.775	1007.970	1008.090	1008.030	1008.150	1008.345	1008.600	1008.525	1008.600	1008.900
20	972.945	973.140	973.320	973.455	973.695	973.830	974.145	974.145	974.460	974.640
25	929.820	929.760	929.880	930.135	930.315	930.510	930.885	931.260	931.515	931.770
30	878.640	878.580	878.775	879.150	879.210	879.465	879.960	880.095	880.725	881.160
35	820.425	820.425	820.425	820.740	820.995	821.250	821.880	822.315	822.690	823.200
40	756.930	756.930	757.185	757.305	757.620	758.070	758.385	758.820	759.390	759.825
45	688.035	688.155	688.350	688.530	688.905	689.040	689.475	689.790	690.420	690.855
50	615.360	615.045	615.285	615.285	615.600	615.915	616.290	616.605	616.995	617.370
55	539.415	539.340	539.415	539.535	539.730	539.850	540.105	540.345	540.540	540.795
60	461.325	461.325	461.385	461.385	461.445	461.640	461.895	461.895	462.075	462.075
65	381.480	381.615	381.480	381.615	381.480	381.480	381.540	381.480	381.420	381.360
70	302.145	302.265	302.025	302.085	301.890	301.770	301.575	301.320	301.080	300.825
75	224.820	224.820	224.820	224.625	224.370	224.130	223.875	223.440	222.870	222.360
80	150.375	150.315	150.195	149.940	149.685	149.505	148.935	148.680	148.125	147.495
85	81.855	81.855	81.660	81.540	81.285	80.970	80.595	80.220	79.650	79.155
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	1049.685	1049.685	1049.685	1049.685	1049.685	1049.685	1049.685	1049.685	1049.685
5	1046.625	1046.565	1046.565	1046.625	1046.625	1046.685	1046.505	1046.685	1046.505
10	1032.675	1032.540	1032.795	1032.675	1032.735	1032.930	1032.930	1033.230	1033.050
15	1009.095	1009.095	1009.410	1009.215	1009.350	1009.605	1009.845	1009.725	1009.785
20	975.090	975.270	975.465	975.720	975.900	975.900	976.095	976.155	976.095
25	932.340	932.580	932.775	933.210	933.345	933.525	933.525	933.975	933.975
30	881.355	881.910	882.600	882.795	882.990	883.170	883.425	883.605	883.425
35	823.635	824.070	824.445	824.895	825.330	825.465	825.780	825.780	825.840
40	760.260	760.830	761.205	761.580	761.835	762.210	762.465	762.405	762.345
45	691.170	691.605	692.175	692.550	692.865	693.120	693.120	693.435	693.435
50	617.805	618.180	618.555	618.750	619.185	619.380	619.635	619.635	619.755
55	541.170	541.290	541.605	541.860	541.980	542.055	542.370	542.370	542.430
60	462.330	462.270	462.330	462.330	462.705	462.705	462.840	462.585	462.840
65	381.300	381.165	381.105	380.925	380.850	380.730	380.730	380.790	380.850
70	300.390	300.075	299.625	299.385	299.130	298.935	298.620	298.620	298.755
75	221.985	221.490	220.860	220.485	219.975	219.660	219.480	219.345	219.405
80	146.925	146.355	145.665	145.170	144.720	144.345	144.030	144.030	143.970
85	78.525	78.015	77.520	77.010	76.575	76.320	76.065	76.065	76.065
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	384.00	N.A.	12.60
0-30	813.39	N.A.	26.70
0-40	1328.45	N.A.	43.70
0-60	2345.04	N.A.	77.10
0-80	2958.22	N.A.	97.30
0-90	3041.34	N.A.	100.00
10-90	2941.91	N.A.	96.70
20-40	944.45	N.A.	31.10
20-50	1477.38	N.A.	48.60
40-70	1394.23	N.A.	45.80
60-80	613.18	N.A.	20.20
70-80	235.54	N.A.	7.70
80-90	83.12	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	3041.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	99.43
10-20	284.57
20-30	429.39
30-40	515.06
40-50	532.92
50-60	483.66
60-70	377.64
70-80	235.54
80-90	83.12
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

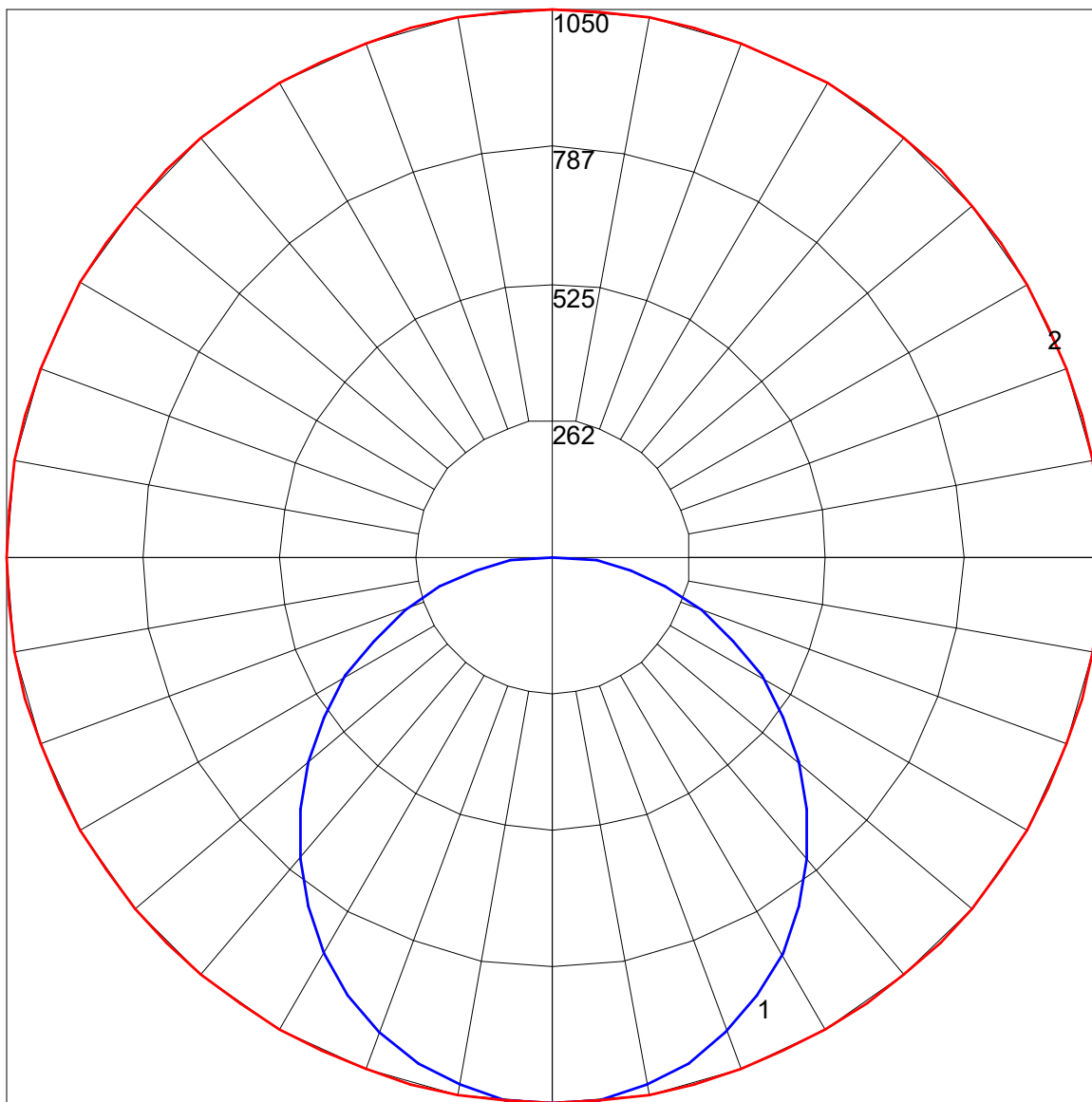
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	69	64	60	57
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

POLAR GRAPH



Maximum Candela = 1049.685 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.)