

IES Report

ZipTwo® | 707 | Square 3520, Critical Edge | 90 CRI | LO

707-Z2-4-48-XX-XX-X-0-Z-LO-359-F5-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	65	67	69	69
Total Lumens, 4' rail length (1219mm)	966	997	1017	1027
Lumens per foot (305mm)	242	249	254	257
Input Power (W), 4' rail length (1219mm)	14.9	14.9	14.9	14.9
Watts per foot (305mm)	3.8	3.8	3.8	3.8
CRI	94	94	94	94

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 : 707_Z2_LO_359_F5.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L102012301 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB
[ISSUE DATE] 2/8/2021
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z2-48-Z-LO-359-F5
[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,
[MORE] square 3520, critical edge, low output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1017
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	14.89
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
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)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6814	6736	6652
55	6595	6515	6422
65	6368	6278	6157
75	6226	6093	5901
85	7071	6728	6256

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_Z2_LO_359_F5.IES

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	345.965	345.965	345.965	345.965	345.965	345.965	345.965	345.965	345.965	345.965
5	345.105	345.040	345.020	345.040	345.000	344.955	344.980	345.000	344.955	344.980
10	341.080	341.120	341.100	341.060	341.060	341.060	340.955	340.915	340.830	340.810
15	334.250	334.230	334.230	334.185	334.100	334.040	333.890	333.555	333.410	333.390
20	324.105	324.125	324.065	324.000	323.895	323.685	323.475	323.245	322.955	322.765
25	311.195	311.115	310.965	310.925	310.755	310.545	310.210	309.875	309.690	309.205
30	295.310	295.145	295.145	295.040	294.810	294.350	294.225	293.655	293.445	292.945
35	276.705	276.685	276.600	276.345	276.075	275.675	275.425	274.965	274.610	274.125
40	255.830	255.810	255.665	255.435	255.160	254.845	254.510	254.070	253.650	253.150
45	232.990	232.905	232.845	232.695	232.400	232.150	231.755	231.315	230.955	230.305
50	208.385	208.470	208.385	208.175	207.925	207.715	207.380	207.005	206.565	206.125
55	182.905	182.820	182.780	182.630	182.445	182.130	181.815	181.460	181.080	180.705
60	156.750	156.750	156.710	156.520	156.355	156.100	155.785	155.495	155.115	154.740
65	130.135	130.115	130.075	129.905	129.780	129.615	129.320	129.025	128.690	128.295
70	103.775	103.650	103.630	103.500	103.335	103.145	102.875	102.600	102.285	101.950
75	77.915	77.955	77.850	77.790	77.620	77.435	77.200	76.890	76.615	76.260
80	53.020	53.000	52.935	52.830	52.685	52.495	52.245	52.015	51.740	51.470
85	29.800	29.800	29.735	29.655	29.505	29.320	29.150	28.900	28.605	28.355
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	345.965	345.965	345.965	345.965	345.965	345.965	345.965	345.965	345.965
5	344.895	344.895	344.850	344.935	344.895	344.915	344.915	344.895	344.895
10	340.575	340.725	340.745	340.620	340.555	340.535	340.535	340.515	340.450
15	333.115	333.140	332.990	332.845	332.720	332.595	332.530	332.570	332.365
20	322.515	322.325	322.030	321.820	321.635	321.530	321.425	321.275	321.300
25	308.830	308.515	308.285	308.010	307.695	307.490	307.360	307.280	307.300
30	292.525	292.170	291.770	291.395	291.100	290.850	290.620	290.535	290.495
35	273.730	273.225	272.825	272.410	272.010	271.735	271.525	271.360	271.295
40	252.665	252.250	251.850	251.410	251.030	250.760	250.530	250.340	250.425
45	229.910	229.450	229.050	228.650	228.275	227.980	227.685	227.540	227.455
50	205.705	205.180	204.740	204.425	203.985	203.715	203.505	203.315	203.355
55	180.245	179.760	179.405	179.050	178.715	178.400	178.230	178.105	178.125
60	154.385	153.920	153.525	153.190	152.875	152.580	152.330	152.185	152.140
65	127.935	127.540	127.100	126.720	126.345	126.195	125.945	125.860	125.820
70	101.555	101.155	100.820	100.420	100.045	99.750	99.585	99.435	99.415
75	75.945	75.545	75.150	74.770	74.480	74.165	73.975	73.890	73.850
80	51.135	50.775	50.460	50.085	49.835	49.520	49.330	49.205	49.205
85	28.060	27.745	27.475	27.180	26.930	26.720	26.530	26.405	26.365
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_Z2_LO_359_F5.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	126.86	N.A.	12.50
0-30	269.34	N.A.	26.50
0-40	440.80	N.A.	43.30
0-60	780.02	N.A.	76.70
0-80	987.51	N.A.	97.10
0-90	1016.84	N.A.	100.00
10-90	984.05	N.A.	96.80
20-40	313.94	N.A.	30.90
20-50	491.63	N.A.	48.30
40-70	466.16	N.A.	45.80
60-80	207.50	N.A.	20.40
70-80	80.55	N.A.	7.90
80-90	29.33	N.A.	2.90
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	1016.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	32.79
10-20	94.07
20-30	142.48
30-40	171.45
40-50	177.69
50-60	161.53
60-70	126.94
70-80	80.55
80-90	29.33
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

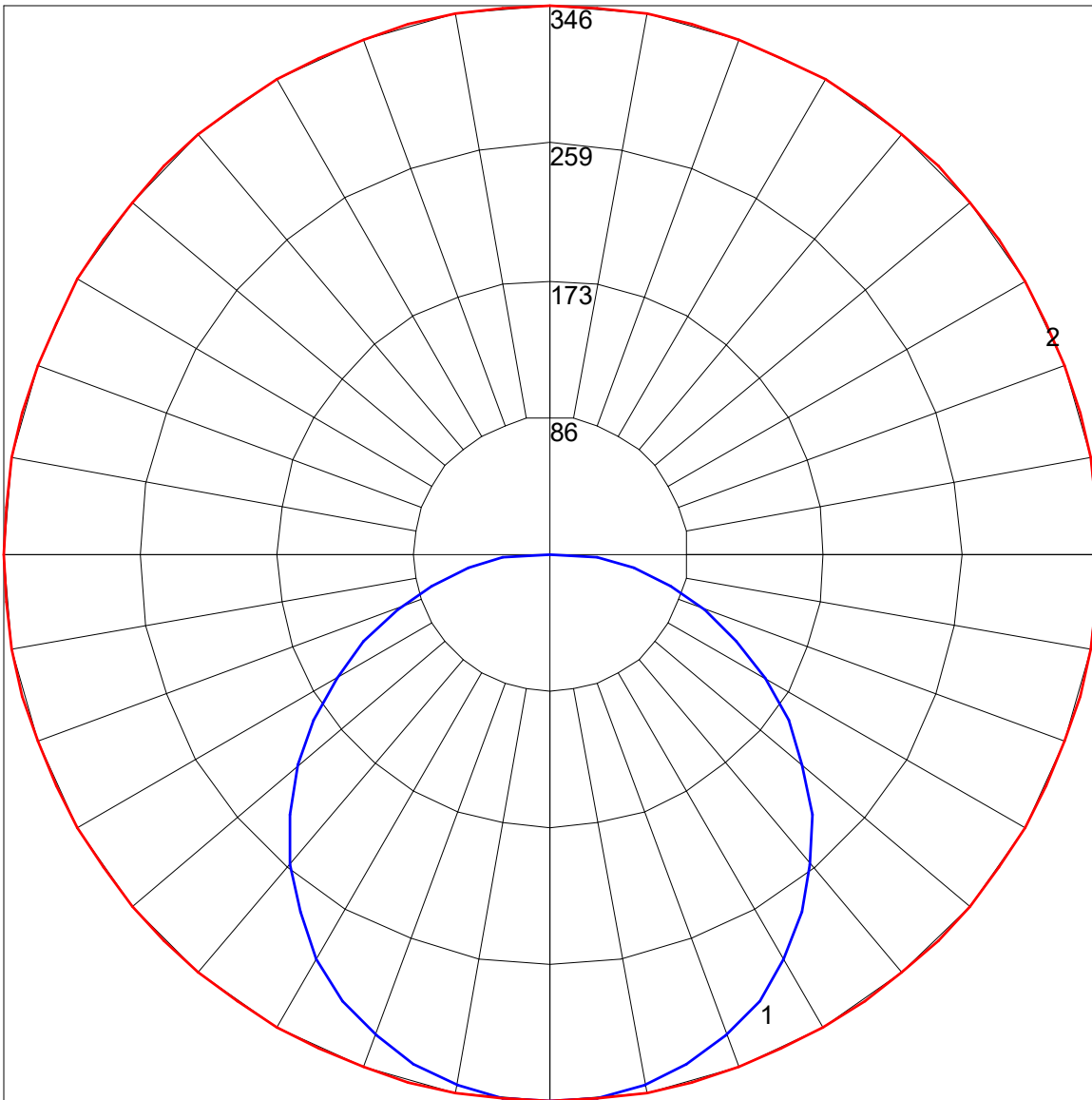
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_Z2_LO_359_F5.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
	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	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	60	68	64	59	57
4	82	69	60	53	79	68	60	53	65	58	52	63	57	52	61	55	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	39	51	44	39	50	43	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

POLAR GRAPH



Maximum Candela = 345.965 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.)