

IES Report

ZipTwo[®] | 707 | Square 3520, Critical Edge | 80 CRI | LO

707-Z2-4-48-XX-XX-X-0-Z-LO-35-F5-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	76	78	80	80
Total Lumens, 4' rail length (1219mm)	1121	1156	1180	1180
Lumens per foot (305mm)	280	289	295	295
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	82	82	82	82

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_35_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-35-F5
[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 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	1180
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
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	7904	7813	7717
55	7650	7558	7450
65	7387	7282	7142
75	7222	7068	6845
85	8202	7805	7257

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_Z2_LO_35_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	401.319	401.319	401.319	401.319	401.319	401.319	401.319	401.319	401.319	401.319
5	400.322	400.246	400.223	400.246	400.200	400.148	400.177	400.200	400.148	400.177
10	395.653	395.699	395.676	395.630	395.630	395.630	395.508	395.461	395.363	395.340
15	387.730	387.707	387.707	387.655	387.556	387.486	387.312	386.924	386.756	386.732
20	375.962	375.985	375.915	375.840	375.718	375.475	375.231	374.964	374.628	374.407
25	360.986	360.893	360.719	360.673	360.476	360.232	359.844	359.455	359.240	358.678
30	342.560	342.368	342.368	342.246	341.980	341.446	341.301	340.640	340.396	339.816
35	320.978	320.955	320.856	320.560	320.247	319.783	319.493	318.959	318.548	317.985
40	296.763	296.740	296.571	296.305	295.986	295.620	295.232	294.721	294.234	293.654
45	270.268	270.170	270.100	269.926	269.584	269.294	268.836	268.325	267.908	267.154
50	241.727	241.825	241.727	241.483	241.193	240.949	240.561	240.126	239.615	239.105
55	212.170	212.071	212.025	211.851	211.636	211.271	210.905	210.494	210.053	209.618
60	181.830	181.830	181.784	181.563	181.372	181.076	180.711	180.374	179.933	179.498
65	150.957	150.933	150.887	150.690	150.545	150.353	150.011	149.669	149.280	148.822
70	120.379	120.234	120.211	120.060	119.869	119.648	119.335	119.016	118.651	118.262
75	90.381	90.428	90.306	90.236	90.039	89.825	89.552	89.192	88.873	88.462
80	61.503	61.480	61.405	61.283	61.115	60.894	60.604	60.337	60.018	59.705
85	34.568	34.568	34.493	34.400	34.226	34.011	33.814	33.524	33.182	32.892
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	401.319	401.319	401.319	401.319	401.319	401.319	401.319	401.319	401.319
5	400.078	400.078	400.026	400.125	400.078	400.101	400.101	400.078	400.078
10	395.067	395.241	395.264	395.119	395.044	395.021	395.021	394.997	394.922
15	386.413	386.442	386.268	386.100	385.955	385.810	385.735	385.781	385.543
20	374.117	373.897	373.555	373.311	373.097	372.975	372.853	372.679	372.708
25	358.243	357.877	357.611	357.292	356.926	356.688	356.538	356.445	356.468
30	339.329	338.917	338.453	338.018	337.676	337.386	337.119	337.021	336.974
35	317.527	316.941	316.477	315.996	315.532	315.213	314.969	314.778	314.702
40	293.091	292.610	292.146	291.636	291.195	290.882	290.615	290.394	290.493
45	266.696	266.162	265.698	265.234	264.799	264.457	264.115	263.946	263.848
50	238.618	238.009	237.498	237.133	236.623	236.309	236.066	235.845	235.892
55	209.084	208.522	208.110	207.698	207.309	206.944	206.747	206.602	206.625
60	179.087	178.547	178.089	177.700	177.335	176.993	176.703	176.535	176.482
65	148.405	147.946	147.436	146.995	146.560	146.386	146.096	145.998	145.951
70	117.804	117.340	116.951	116.487	116.052	115.710	115.519	115.345	115.321
75	88.096	87.632	87.174	86.733	86.397	86.031	85.811	85.712	85.666
80	59.317	58.899	58.534	58.099	57.809	57.443	57.223	57.078	57.078
85	32.550	32.184	31.871	31.529	31.239	30.995	30.775	30.630	30.583
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_35_F5.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	147.16	N.A.	12.50
0-30	312.44	N.A.	26.50
0-40	511.32	N.A.	43.30
0-60	904.82	N.A.	76.70
0-80	1145.51	N.A.	97.10
0-90	1179.54	N.A.	100.00
10-90	1141.5	N.A.	96.80
20-40	364.17	N.A.	30.90
20-50	570.29	N.A.	48.30
40-70	540.75	N.A.	45.80
60-80	240.70	N.A.	20.40
70-80	93.44	N.A.	7.90
80-90	34.03	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	1179.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	38.04
10-20	109.12
20-30	165.28
30-40	198.89
40-50	206.12
50-60	187.38
60-70	147.25
70-80	93.44
80-90	34.03
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

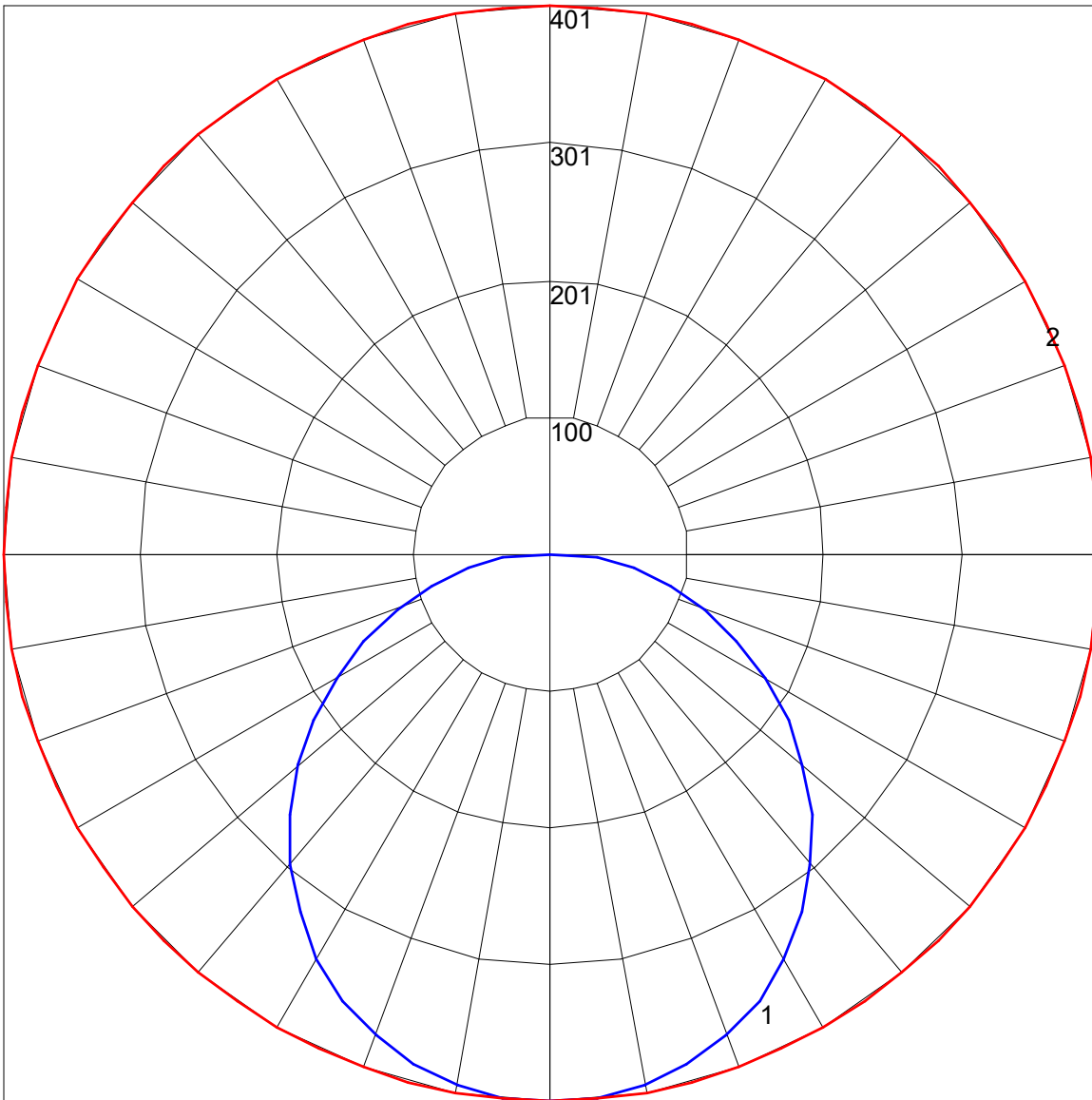
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707_Z2_LO_35_F5.IES

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	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	61	71	65	60	68	63	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	41	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 = 401.319 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.)