

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	85	88	90	90
Total Lumens, 4' rail length (1219mm)	3362	3468	3539	3539
Lumens per foot (305mm)	840	867	885	885
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	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_HO_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-HO-35-F5
[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,
[MORE] square 3520, critical edge, high output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3539
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	39.55
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	23713	23440	23150
55	22950	22673	22350
65	22161	21847	21426
75	21665	21205	20535
85	24607	23414	21771

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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	1203.958	1203.958	1203.958	1203.958	1203.958	1203.958	1203.958	1203.958	1203.958	1203.958
5	1200.965	1200.739	1200.670	1200.739	1200.600	1200.443	1200.530	1200.600	1200.443	1200.530
10	1186.958	1187.098	1187.028	1186.889	1186.889	1186.889	1186.523	1186.384	1186.088	1186.019
15	1163.190	1163.120	1163.120	1162.964	1162.668	1162.459	1161.937	1160.771	1160.267	1160.197
20	1127.885	1127.955	1127.746	1127.520	1127.155	1126.424	1125.693	1124.893	1123.883	1123.222
25	1082.959	1082.680	1082.158	1082.019	1081.427	1080.697	1079.531	1078.365	1077.721	1076.033
30	1027.679	1027.105	1027.105	1026.739	1025.939	1024.338	1023.903	1021.919	1021.189	1019.449
35	962.933	962.864	962.568	961.681	960.741	959.349	958.479	956.878	955.643	953.955
40	890.288	890.219	889.714	888.914	887.957	886.861	885.695	884.164	882.702	880.962
45	810.805	810.509	810.301	809.779	808.752	807.882	806.507	804.976	803.723	801.461
50	725.180	725.476	725.180	724.449	723.579	722.848	721.682	720.377	718.846	717.315
55	636.509	636.214	636.074	635.552	634.909	633.812	632.716	631.481	630.158	628.853
60	545.490	545.490	545.351	544.690	544.115	543.228	542.132	541.123	539.800	538.495
65	452.870	452.800	452.661	452.069	451.634	451.060	450.034	449.007	447.841	446.467
70	361.137	360.702	360.632	360.180	359.606	358.945	358.005	357.048	355.952	354.786
75	271.144	271.283	270.918	270.709	270.118	269.474	268.656	267.577	266.620	265.385
80	184.510	184.440	184.214	183.848	183.344	182.683	181.813	181.012	180.055	179.116
85	103.704	103.704	103.478	103.199	102.677	102.034	101.442	100.572	99.545	98.675
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	1203.958	1203.958	1203.958	1203.958	1203.958	1203.958	1203.958	1203.958	1203.958
5	1200.235	1200.235	1200.078	1200.374	1200.235	1200.304	1200.304	1200.235	1200.235
10	1185.201	1185.723	1185.793	1185.358	1185.131	1185.062	1185.062	1184.992	1184.766
15	1159.240	1159.327	1158.805	1158.301	1157.866	1157.431	1157.204	1157.344	1156.630
20	1122.352	1121.691	1120.664	1119.934	1119.290	1118.924	1118.559	1118.037	1118.124
25	1074.728	1073.632	1072.832	1071.875	1070.779	1070.065	1069.613	1069.334	1069.404
30	1017.987	1016.752	1015.360	1014.055	1013.028	1012.158	1011.358	1011.062	1010.923
35	952.580	950.823	949.431	947.987	946.595	945.638	944.907	944.333	944.107
40	879.274	877.830	876.438	874.907	873.584	872.645	871.844	871.183	871.479
45	800.087	798.486	797.094	795.702	794.397	793.370	792.344	791.839	791.543
50	715.853	714.026	712.495	711.399	709.868	708.928	708.197	707.536	707.675
55	627.253	625.565	624.329	623.094	621.928	620.832	620.240	619.805	619.875
60	537.260	535.642	534.267	533.101	532.005	530.978	530.108	529.604	529.447
65	445.214	443.839	442.308	440.986	439.681	439.159	438.289	437.993	437.854
70	353.411	352.019	350.854	349.462	348.157	347.130	346.556	346.034	345.964
75	264.289	262.897	261.522	260.200	259.190	258.094	257.433	257.137	256.998
80	177.950	176.697	175.601	174.296	173.426	172.330	171.668	171.233	171.233
85	97.649	96.553	95.613	94.586	93.716	92.986	92.324	91.889	91.750
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	441.47	N.A.	12.50
0-30	937.31	N.A.	26.50
0-40	1533.97	N.A.	43.30
0-60	2714.45	N.A.	76.70
0-80	3436.54	N.A.	97.10
0-90	3538.62	N.A.	100.00
10-90	3424.5	N.A.	96.80
20-40	1092.5	N.A.	30.90
20-50	1710.86	N.A.	48.30
40-70	1622.25	N.A.	45.80
60-80	722.09	N.A.	20.40
70-80	280.33	N.A.	7.90
80-90	102.08	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	3538.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	114.11
10-20	327.35
20-30	495.84
30-40	596.66
40-50	618.35
50-60	562.13
60-70	441.76
70-80	280.33
80-90	102.08
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

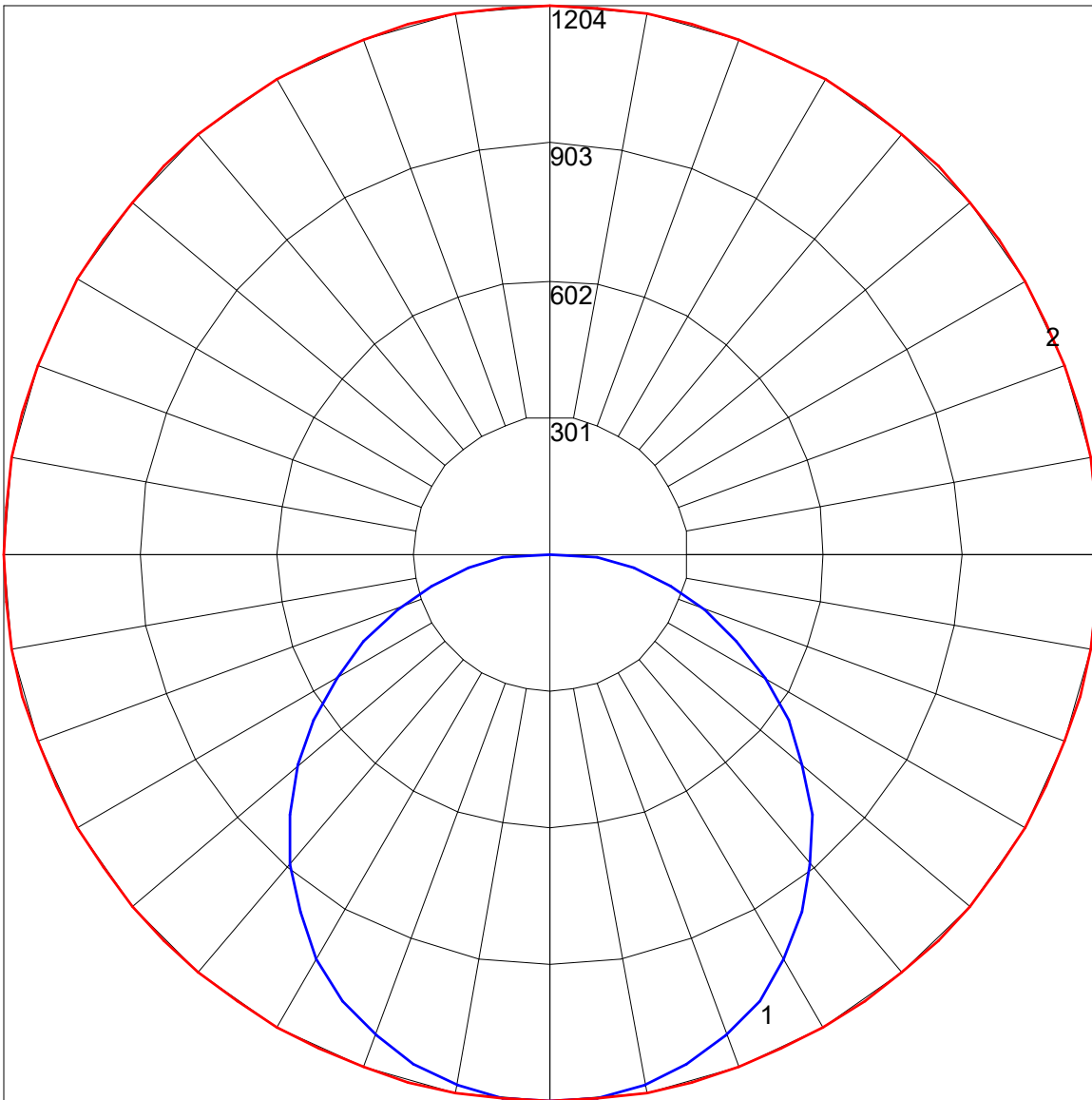
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 1203.958 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.)