

IES Report

ZipTwo® | 707 | Square 3536, Critical Edge | 80 CRI | SO

707-Z2-4-48-XX-XX-X-0-Z-SO-35-S5-X-BL-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	86	89	91	91
Total Lumens, 4' rail length (1219mm)	2234	2305	2352	2352
Lumens per foot (305mm)	559	576	588	588
Input Power (W), 4' rail length (1219mm)	26.1	26.1	26.1	26.1
Watts per foot (305mm)	6.6	6.6	6.6	6.6
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 : VODE_707_Z2_SO_35_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-SO-35-S5-BL

[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,

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

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2352
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	26.12
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	18437	18513	18582
55	17820	17865	17919
65	17104	17098	17075
75	16459	16279	16063
85	17796	17209	16537

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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	811.756	811.756	811.756	811.756	811.756	811.756	811.756	811.756	811.756	811.756
5	809.100	809.193	809.193	809.251	809.193	809.193	809.251	809.344	809.297	809.390
10	797.918	797.964	798.208	798.208	798.115	798.254	798.405	798.358	798.358	798.405
15	779.346	779.497	779.590	779.543	779.636	779.787	779.984	779.926	779.984	780.216
20	752.411	752.562	752.701	752.805	752.991	753.095	753.339	753.339	753.582	753.722
25	719.061	719.014	719.107	719.304	719.444	719.594	719.884	720.174	720.372	720.569
30	679.482	679.435	679.586	679.876	679.922	680.120	680.502	680.607	681.094	681.430
35	634.462	634.462	634.462	634.706	634.903	635.100	635.587	635.924	636.214	636.608
40	585.359	585.359	585.556	585.649	585.893	586.241	586.484	586.821	587.262	587.598
45	532.080	532.173	532.324	532.463	532.753	532.858	533.194	533.438	533.925	534.261
50	475.878	475.635	475.820	475.820	476.064	476.308	476.598	476.841	477.143	477.433
55	417.148	417.090	417.148	417.240	417.391	417.484	417.681	417.867	418.018	418.215
60	356.758	356.758	356.804	356.804	356.851	357.002	357.199	357.199	357.338	357.338
65	295.011	295.116	295.011	295.116	295.011	295.011	295.058	295.011	294.965	294.918
70	233.659	233.752	233.566	233.612	233.462	233.369	233.218	233.021	232.835	232.638
75	173.861	173.861	173.861	173.710	173.513	173.327	173.130	172.794	172.353	171.958
80	116.290	116.244	116.151	115.954	115.756	115.617	115.176	114.979	114.550	114.063
85	63.301	63.301	63.150	63.058	62.860	62.617	62.327	62.037	61.596	61.213
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	811.756	811.756	811.756	811.756	811.756	811.756	811.756	811.756	811.756
5	809.390	809.344	809.344	809.390	809.390	809.436	809.297	809.436	809.297
10	798.602	798.498	798.695	798.602	798.648	798.799	798.799	799.031	798.892
15	780.367	780.367	780.610	780.460	780.564	780.761	780.947	780.854	780.900
20	754.070	754.209	754.360	754.557	754.696	754.696	754.847	754.893	754.847
25	721.010	721.195	721.346	721.682	721.787	721.926	721.926	722.274	722.274
30	681.581	682.010	682.544	682.695	682.846	682.985	683.182	683.321	683.182
35	636.944	637.281	637.571	637.919	638.255	638.360	638.603	638.603	638.650
40	587.934	588.375	588.665	588.955	589.152	589.442	589.640	589.593	589.547
45	534.505	534.841	535.282	535.572	535.816	536.013	536.013	536.256	536.256
50	477.769	478.059	478.349	478.500	478.836	478.987	479.184	479.184	479.277
55	418.505	418.598	418.841	419.038	419.131	419.189	419.433	419.433	419.479
60	357.535	357.489	357.535	357.535	357.825	357.825	357.930	357.732	357.930
65	294.872	294.768	294.721	294.582	294.524	294.431	294.431	294.478	294.524
70	232.302	232.058	231.710	231.524	231.327	231.176	230.933	230.933	231.037
75	171.668	171.286	170.798	170.508	170.114	169.870	169.731	169.627	169.673
80	113.622	113.181	112.648	112.265	111.917	111.627	111.383	111.383	111.337
85	60.726	60.332	59.949	59.554	59.218	59.021	58.824	58.824	58.824
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	296.96	N.A.	12.60
0-30	629.02	N.A.	26.70
0-40	1027.34	N.A.	43.70
0-60	1813.5	N.A.	77.10
0-80	2287.69	N.A.	97.30
0-90	2351.97	N.A.	100.00
10-90	2275.08	N.A.	96.70
20-40	730.38	N.A.	31.10
20-50	1142.5	N.A.	48.60
40-70	1078.2	N.A.	45.80
60-80	474.20	N.A.	20.20
70-80	182.15	N.A.	7.70
80-90	64.28	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	2351.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	76.89
10-20	220.06
20-30	332.07
30-40	398.31
40-50	412.13
50-60	374.03
60-70	292.04
70-80	182.15
80-90	64.28
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

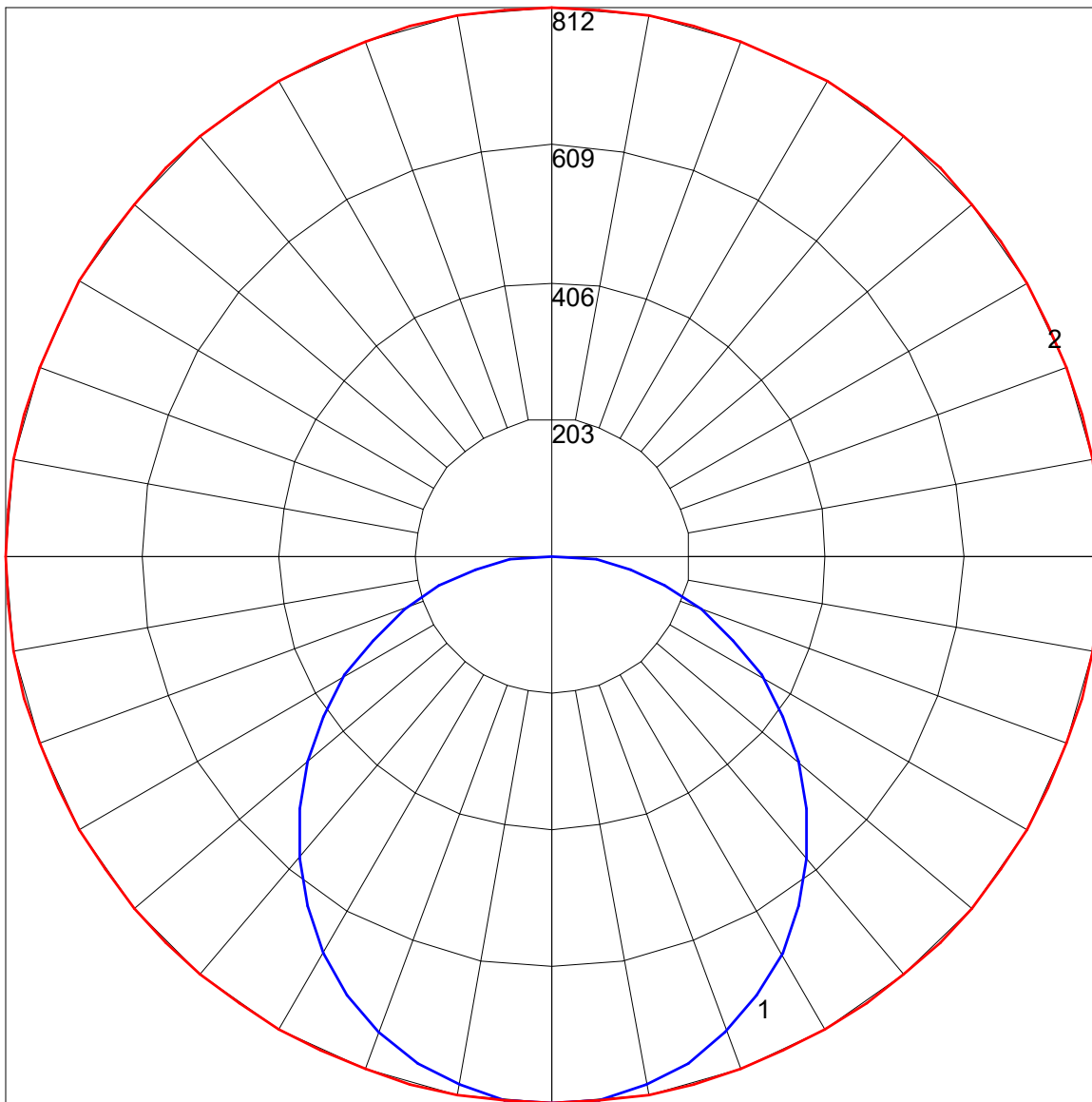
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	38	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 = 811.756 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.)