

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	85	88	90	90
Total Lumens, 4' rail length (1219mm)	3352	3457	3528	3528
Lumens per foot (305mm)	838	864	882	882
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 : VODE_707_Z2_HO_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-HO-35-S5-BL

[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 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	3528
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)	1.26
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	27655	27769	27873
55	26729	26798	26879
65	25655	25647	25613
75	24688	24418	24094
85	26694	25813	24805

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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	1217.635	1217.635	1217.635	1217.635	1217.635	1217.635	1217.635	1217.635	1217.635	1217.635
5	1213.650	1213.789	1213.789	1213.876	1213.789	1213.789	1213.876	1214.015	1213.946	1214.085
10	1196.876	1196.946	1197.311	1197.311	1197.172	1197.381	1197.607	1197.538	1197.538	1197.607
15	1169.019	1169.245	1169.384	1169.315	1169.454	1169.680	1169.976	1169.889	1169.976	1170.324
20	1128.616	1128.842	1129.051	1129.208	1129.486	1129.643	1130.008	1130.008	1130.374	1130.582
25	1078.591	1078.522	1078.661	1078.957	1079.165	1079.392	1079.827	1080.262	1080.557	1080.853
30	1019.222	1019.153	1019.379	1019.814	1019.884	1020.179	1020.754	1020.910	1021.641	1022.146
35	951.693	951.693	951.693	952.058	952.354	952.650	953.381	953.885	954.320	954.912
40	878.039	878.039	878.335	878.474	878.839	879.361	879.727	880.231	880.892	881.397
45	798.121	798.260	798.486	798.695	799.130	799.286	799.791	800.156	800.887	801.392
50	713.818	713.452	713.731	713.731	714.096	714.461	714.896	715.262	715.714	716.149
55	625.721	625.634	625.721	625.861	626.087	626.226	626.522	626.800	627.026	627.322
60	535.137	535.137	535.207	535.207	535.276	535.502	535.798	535.798	536.007	536.007
65	442.517	442.673	442.517	442.673	442.517	442.517	442.586	442.517	442.447	442.378
70	350.488	350.627	350.349	350.419	350.192	350.053	349.827	349.531	349.253	348.957
75	260.791	260.791	260.791	260.565	260.269	259.991	259.695	259.190	258.529	257.938
80	174.435	174.365	174.226	173.930	173.635	173.426	172.765	172.469	171.825	171.094
85	94.952	94.952	94.726	94.586	94.291	93.925	93.490	93.055	92.394	91.820
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	1217.635	1217.635	1217.635	1217.635	1217.635	1217.635	1217.635	1217.635	1217.635
5	1214.085	1214.015	1214.015	1214.085	1214.085	1214.155	1213.946	1214.155	1213.946
10	1197.903	1197.746	1198.042	1197.903	1197.973	1198.199	1198.199	1198.547	1198.338
15	1170.550	1170.550	1170.916	1170.689	1170.846	1171.142	1171.420	1171.281	1171.351
20	1131.104	1131.313	1131.539	1131.835	1132.044	1132.044	1132.270	1132.340	1132.270
25	1081.514	1081.793	1082.019	1082.524	1082.680	1082.889	1082.889	1083.411	1083.411
30	1022.372	1023.016	1023.816	1024.042	1024.268	1024.477	1024.773	1024.982	1024.773
35	955.417	955.921	956.356	956.878	957.383	957.539	957.905	957.905	957.974
40	881.902	882.563	882.998	883.433	883.729	884.164	884.459	884.390	884.320
45	801.757	802.262	802.923	803.358	803.723	804.019	804.019	804.385	804.385
50	716.654	717.089	717.524	717.750	718.255	718.481	718.777	718.777	718.916
55	627.757	627.896	628.262	628.558	628.697	628.784	629.149	629.149	629.219
60	536.303	536.233	536.303	536.303	536.738	536.738	536.894	536.599	536.894
65	442.308	442.151	442.082	441.873	441.786	441.647	441.647	441.716	441.786
70	348.452	348.087	347.565	347.287	346.991	346.765	346.399	346.399	346.556
75	257.503	256.928	256.198	255.763	255.171	254.806	254.597	254.440	254.510
80	170.433	169.772	168.971	168.397	167.875	167.440	167.075	167.075	167.005
85	91.089	90.497	89.923	89.332	88.827	88.531	88.235	88.235	88.235
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	445.44	N.A.	12.60
0-30	943.54	N.A.	26.70
0-40	1541.00	N.A.	43.70
0-60	2720.24	N.A.	77.10
0-80	3431.54	N.A.	97.30
0-90	3527.96	N.A.	100.00
10-90	3412.61	N.A.	96.70
20-40	1095.57	N.A.	31.10
20-50	1713.76	N.A.	48.60
40-70	1617.31	N.A.	45.80
60-80	711.29	N.A.	20.20
70-80	273.23	N.A.	7.70
80-90	96.42	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	3527.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	115.34
10-20	330.10
20-30	498.10
30-40	597.47
40-50	618.19
50-60	561.05
60-70	438.07
70-80	273.23
80-90	96.42
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

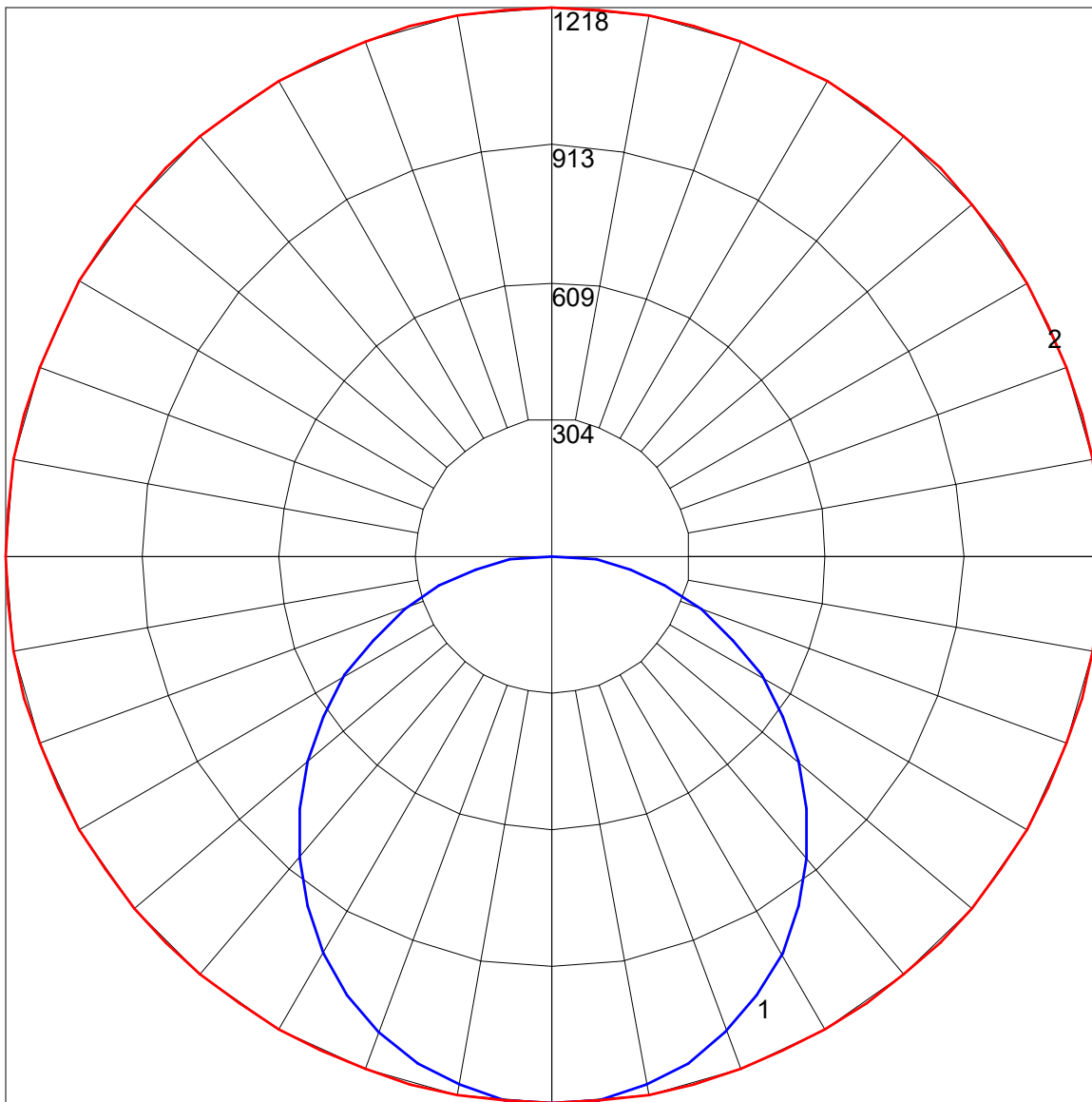
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1217.635 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.)