

IES Report

ZipTwo® | 707 | Ceiling Cable | Square 3570, Diffuse | 80 CRI | SO

707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-SO-X-H6-WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	210	216	221	221
Total Lumens, 4' rail length (1219mm)	5464	5636	5751	5751
Lumens per foot (305mm)	1366	1409	1438	1438
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_CC_SO_35_H6_WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L082011201 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 5/12/2021

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z2-48-CC-Z-SO-35-H6-WH

[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 80 CRI, zipper board, square 3570,

[MORE] diffuse lens, standard output, white painted finish

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5751
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	220
Total Luminaire Watts	26.2
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	2.40
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	2.08
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.23 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10360	9472	9432
55	10277	9304	8982
65	9846	8959	8560
75	9131	8516	8761
85	8371	8067	8603

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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	526.176	526.176	526.176	526.176	526.176	526.176	526.176	526.176	526.176	526.176
5	552.160	552.160	550.536	550.536	548.912	547.288	544.040	542.416	539.168	535.920
10	610.624	610.624	609.000	607.376	602.504	599.256	592.760	587.888	581.392	573.272
15	672.336	672.336	669.088	665.840	659.344	652.848	643.104	633.360	621.992	610.624
20	734.048	732.424	729.176	722.680	714.560	704.816	691.824	677.208	660.968	643.104
25	794.136	792.512	787.640	779.520	768.152	755.160	737.296	717.808	696.696	672.336
30	850.976	849.352	842.856	833.112	818.496	800.632	779.520	755.160	727.552	698.320
35	902.944	901.320	893.200	880.208	863.968	841.232	815.248	787.640	753.536	719.432
40	946.792	945.168	935.424	920.808	901.320	875.336	846.104	812.000	774.648	734.048
45	980.896	977.648	967.904	951.664	928.928	899.696	867.216	828.240	786.016	742.168
50	1000.384	997.136	987.392	969.528	945.168	912.688	876.960	836.360	790.888	742.168
55	1005.256	1000.384	990.640	972.776	946.792	914.312	875.336	833.112	784.392	734.048
60	992.264	989.016	977.648	959.784	933.800	901.320	862.344	818.496	768.152	716.184
65	964.656	961.408	950.040	932.176	907.816	875.336	837.984	792.512	743.792	690.200
70	922.432	919.184	909.440	893.200	868.840	837.984	802.256	758.408	709.688	657.720
75	868.840	867.216	857.472	841.232	820.120	790.888	756.784	716.184	670.712	620.368
80	810.376	808.752	800.632	786.016	766.528	738.920	708.064	669.088	625.240	578.144
85	748.664	747.040	740.544	727.552	709.688	685.328	656.096	620.368	578.144	535.920
90	691.824	688.576	682.080	670.712	654.472	631.736	605.752	571.648	535.920	493.696
95	647.976	646.352	639.856	630.112	615.496	594.384	570.024	540.792	506.688	466.088
100	613.872	610.624	605.752	596.008	583.016	563.528	544.040	514.808	480.704	444.976
105	579.768	578.144	573.272	565.152	550.536	535.920	514.808	488.824	457.968	422.240
110	548.912	547.288	542.416	535.920	522.928	506.688	485.576	461.216	433.608	401.128
115	519.680	518.056	513.184	505.064	493.696	479.080	459.592	435.232	407.624	378.392
120	487.200	485.576	480.704	474.208	462.840	448.224	430.360	407.624	381.640	354.032
125	453.096	453.096	448.224	441.728	430.360	417.368	399.504	378.392	354.032	328.048
130	418.992	417.368	414.120	407.624	396.256	383.264	368.648	349.160	326.424	298.816
135	383.264	381.640	378.392	371.896	362.152	350.784	334.544	315.056	289.072	263.088
140	344.288	342.664	339.416	334.544	324.800	313.432	297.192	274.456	250.096	227.360
145	305.312	303.688	300.440	295.568	287.448	272.832	251.720	232.232	212.744	194.880
150	263.088	261.464	259.840	254.968	243.600	224.112	209.496	193.256	180.264	167.272
155	220.864	219.240	217.616	209.496	193.256	180.264	167.272	159.152	151.032	139.664
160	175.392	175.392	172.144	157.528	146.160	136.416	131.544	125.048	116.928	105.560
165	126.672	126.672	115.304	107.184	100.688	97.440	95.816	90.944	81.200	74.704
170	79.576	74.704	64.960	60.088	61.712	61.712	60.088	56.840	53.592	48.720
175	35.728	29.232	27.608	30.856	32.480	30.856	30.856	30.856	29.232	27.608
180	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	526.176	526.176	526.176	526.176	526.176	526.176	526.176	526.176	526.176
5	532.672	529.424	526.176	524.552	522.928	522.928	524.552	524.552	524.552
10	565.152	557.032	547.288	539.168	529.424	519.680	514.808	514.808	514.808
15	596.008	583.016	568.400	553.784	539.168	524.552	508.312	501.816	503.440
20	625.240	605.752	584.640	563.528	544.040	522.928	501.816	485.576	485.576
25	647.976	621.992	596.008	568.400	542.416	516.432	490.448	464.464	462.840
30	667.464	636.608	604.128	570.024	537.544	505.064	474.208	443.352	435.232
35	682.080	644.728	605.752	566.776	529.424	490.448	454.720	420.616	406.000
40	691.824	647.976	604.128	558.656	514.808	472.584	431.984	393.008	375.144
45	695.072	644.728	596.008	545.664	498.568	451.472	406.000	365.400	341.040
50	690.200	636.608	583.016	529.424	477.456	427.112	378.392	334.544	305.312
55	678.832	621.992	565.152	508.312	453.096	399.504	347.536	302.064	269.584
60	659.344	600.880	542.416	482.328	425.488	370.272	316.680	267.960	233.856

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CANDELA TABULATION - (Cont.)

65	633.360	573.272	514.808	454.720	396.256	337.792	284.200	235.480	196.504
70	600.880	542.416	483.952	422.240	363.776	305.312	250.096	199.752	159.152
75	557.032	509.936	451.472	389.760	331.296	272.832	217.616	165.648	133.168
80	526.176	470.960	414.120	354.032	297.192	240.352	185.136	134.792	90.944
85	483.952	430.360	376.768	319.928	263.088	206.248	154.280	107.184	60.088
90	444.976	394.632	341.040	284.200	230.608	173.768	126.672	73.080	30.856
95	422.240	373.520	323.176	269.584	217.616	165.648	121.800	66.584	25.984
100	402.752	357.280	310.184	259.840	211.120	160.776	120.176	64.960	24.360
105	384.888	341.040	297.192	248.472	201.376	152.656	108.808	60.088	22.736
110	363.776	324.800	280.952	235.480	191.632	146.160	103.936	53.592	22.736
115	342.664	305.312	266.336	224.112	181.888	139.664	95.816	48.720	21.112
120	321.552	285.824	248.472	209.496	170.520	129.920	86.072	42.224	19.488
125	298.816	264.712	228.984	191.632	154.280	116.928	74.704	37.352	19.488
130	267.960	235.480	203.000	170.520	136.416	100.688	63.336	32.480	17.864
135	235.480	207.872	178.640	149.408	118.552	86.072	53.592	29.232	17.864
140	203.000	180.264	155.904	128.296	100.688	73.080	43.848	25.984	17.864
145	177.016	157.528	133.168	107.184	82.824	58.464	37.352	22.736	16.240
150	152.656	131.544	110.432	89.320	68.208	48.720	32.480	21.112	16.240
155	121.800	105.560	89.320	71.456	56.840	42.224	29.232	19.488	16.240
160	92.568	81.200	68.208	56.840	45.472	35.728	25.984	17.864	16.240
165	66.584	58.464	51.968	43.848	35.728	27.608	21.112	16.240	16.240
170	45.472	40.600	35.728	30.856	25.984	21.112	17.864	16.240	16.240
175	25.984	24.360	21.112	19.488	17.864	16.240	16.240	14.616	14.616
180	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	222.66	N.A.	3.90
0-30	525.81	N.A.	9.10
0-40	961.62	N.A.	16.70
0-60	2135.56	N.A.	37.10
0-80	3385.23	N.A.	58.90
0-90	3915.72	N.A.	68.10
10-90	3863.52	N.A.	67.20
20-40	738.96	N.A.	12.80
20-50	1288.79	N.A.	22.40
40-70	1817.1	N.A.	31.60
60-80	1249.66	N.A.	21.70
70-80	606.51	N.A.	10.50
80-90	530.49	N.A.	9.20
90-110	855.47	N.A.	14.90
90-120	1189.66	N.A.	20.70
90-130	1451.31	N.A.	25.20
90-150	1752.15	N.A.	30.50
90-180	1835.45	N.A.	31.90
110-180	979.98	N.A.	17.00
0-180	5751.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	52.20
10-20	170.46
20-30	303.15
30-40	435.81
40-50	549.83
50-60	624.12
60-70	643.15
70-80	606.51
80-90	530.49
90-100	456.60
100-110	398.87
110-120	334.19
120-130	261.65
130-140	185.45
140-150	115.38
150-160	59.48
160-170	21.00
170-180	2.83

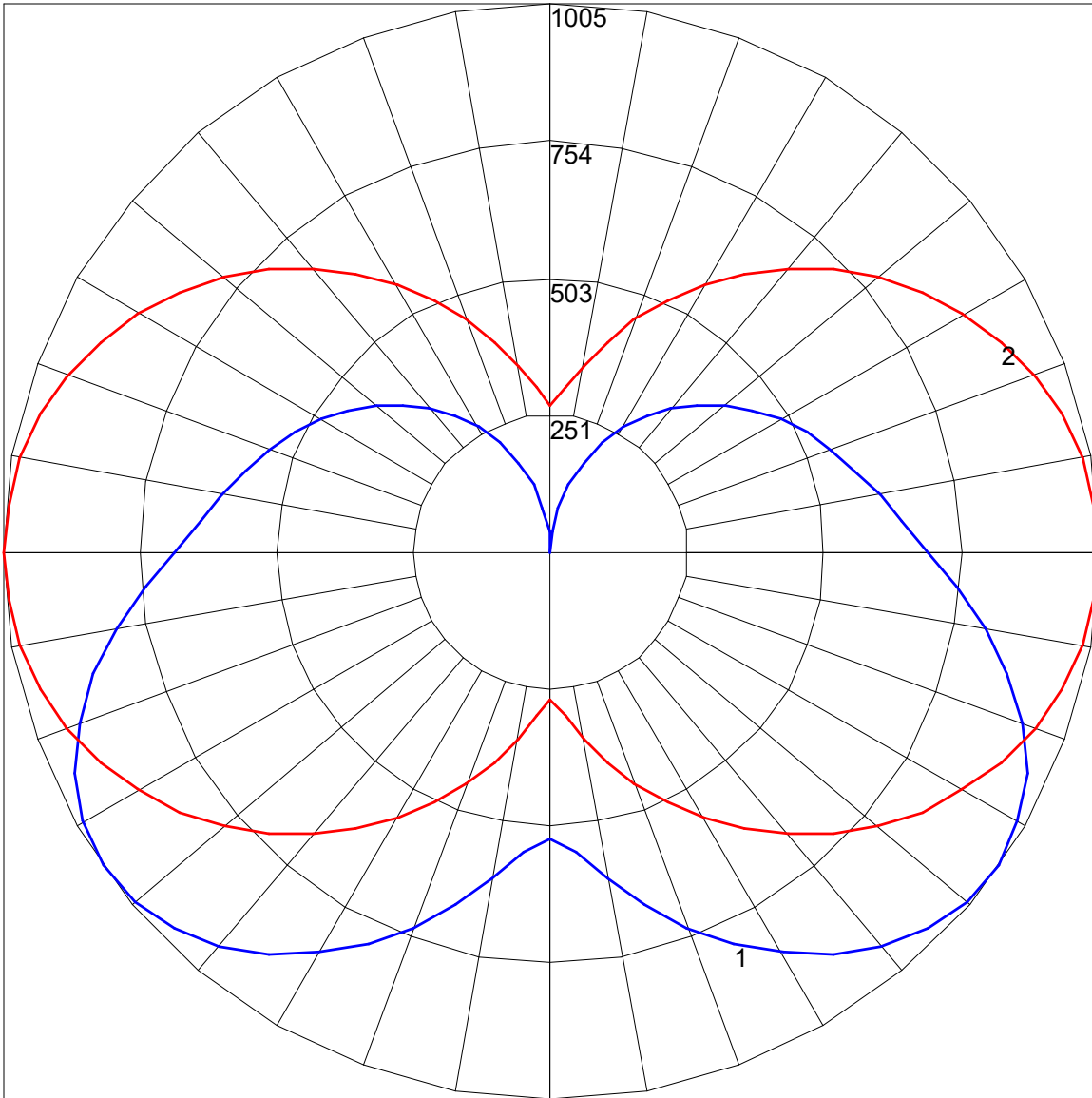
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	111	111	111	111	105	105	105	105	93	93	93	83	83	83	73	73	73	68
1	97	91	85	80	80	91	85	80	75	75	71	67	66	62	59	57	54	52	48
2	86	76	68	61	61	81	72	64	58	63	57	52	55	50	46	47	44	40	36
3	78	66	56	49	49	72	62	53	46	54	47	41	47	41	37	40	36	32	28
4	70	57	47	40	40	65	54	45	38	47	40	34	41	35	30	35	30	26	23
5	64	50	40	33	33	60	47	38	32	41	34	28	36	30	25	31	26	22	19
6	59	45	35	28	28	55	42	33	27	37	29	24	32	26	21	28	23	19	16
7	54	40	31	24	24	50	38	29	23	33	26	21	29	23	18	25	20	16	14
8	50	36	27	21	21	47	34	26	20	30	23	18	26	20	16	23	18	14	12
9	47	33	24	19	19	43	31	23	18	27	21	16	24	18	14	21	16	12	10
10	43	30	22	16	16	41	28	21	16	25	19	14	22	17	13	19	15	11	9

POLAR GRAPH



Maximum Candela = 1005.256 Located At Horizontal Angle = 0, Vertical Angle = 55
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (55) (Through Max. Cd.)