

IES REPORT

# ZipTwo | Square 3535 | Low Glare | 707

60° Symmetric Graphite Baffle | 80 CRI | Low Output

707-Z2-SL-4-48-XX-XX-XX-XX-X-X-Z-LO-XX-B2GB-X-WH-X

Reporting by Color Temperature	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	42	44	44	44
Total Lumens, 4' rail length (1219mm)	551	568	580	580
Lumens per foot (305mm)	138	142	145	145
Input Power (W), 4' rail length (1219mm)	13.2	13.2	13.2	13.2
Watts per foot (305mm)	3.3	3.3	3.3	3.3
CRI	80	80	80	80

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-Z2-48-Z-35-B2GB-WH-LO.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L072410602 ( SOURCE REPORT BASED FOR REFERENCE)  
 [TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB  
 [ISSUE DATE] 8/26/2024  
 [MANUFAC] Vode Lighting LLC  
 [LUMCAT] 707-Z2-48-Z-35-B2GB-WH-LO  
 [LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, Zipper Board, 60° Graphite Baffle, White Finish, Low Output  
 [MORE] 3535 Low Glare, Low Output, White  
 [TEST PROCEDURE] IESNA:LM-79-19

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	580
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	44
Total Luminaire Watts	13.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.82
Spacing Criterion (90-270)	0.90
Spacing Criterion (Diagonal)	0.88
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.13 ft
Luminous Height	0.00 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1521	1930	2837
55	451	667	2199
65	245	294	1248
75	200	200	439
85	0	119	119

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**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
<b>0</b>	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5
<b>5</b>	552.5	562.0	568.5	577.5	581.0	584.0	569.5	551.5	556.0
<b>10</b>	505.5	532.5	568.5	607.5	630.5	616.0	565.0	514.5	506.5
<b>15</b>	447.5	489.5	557.5	620.5	646.0	596.5	554.5	470.5	447.5
<b>20</b>	389.0	446.0	496.5	528.5	513.5	467.5	497.5	422.5	385.5
<b>25</b>	322.5	387.5	387.5	374.0	327.5	319.5	381.0	361.5	319.5
<b>30</b>	251.5	318.5	268.0	239.5	210.5	199.5	269.0	285.5	252.5
<b>35</b>	183.5	235.0	176.0	157.0	152.0	135.5	176.5	201.0	184.5
<b>40</b>	115.0	147.5	109.5	110.5	118.0	98.0	110.0	122.5	118.0
<b>45</b>	52.0	79.5	66.0	83.5	97.0	74.0	67.5	58.0	54.5
<b>50</b>	18.5	29.0	37.5	63.5	80.5	55.5	39.0	19.5	18.5
<b>55</b>	12.5	13.0	18.5	45.5	61.0	39.5	19.5	11.5	12.5
<b>60</b>	8.5	8.5	9.5	29.0	43.0	24.0	10.0	7.0	8.5
<b>65</b>	5.0	6.0	6.0	16.5	25.5	12.5	6.5	5.0	5.0
<b>70</b>	3.5	3.5	3.5	8.0	12.0	6.5	4.0	3.5	3.5
<b>75</b>	2.5	2.0	2.5	4.0	5.5	4.0	2.0	2.0	1.5
<b>80</b>	1.0	1.0	1.5	2.0	2.5	1.5	1.5	1.0	1.5
<b>85</b>	0.0	0.0	0.5	1.0	0.5	0.5	0.5	0.0	0.0
<b>90</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	204.33	N.A.	35.20
0-30	368.65	N.A.	63.50
0-40	481.33	N.A.	83.00
0-60	565.33	N.A.	97.40
0-80	579.58	N.A.	99.90
0-90	580.20	N.A.	100.00
10-90	525.91	N.A.	90.60
20-40	277.00	N.A.	47.70
20-50	335.26	N.A.	57.80
40-70	94.80	N.A.	16.30
60-80	14.25	N.A.	2.50
70-80	3.45	N.A.	0.60
80-90	0.62	N.A.	0.10
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	580.20	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	54.29
10-20	150.04
20-30	164.32
30-40	112.68
40-50	58.26
50-60	25.75
60-70	10.80
70-80	3.45
80-90	0.62
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	74	68	64	73	68	64	71	67	63	70	66	63	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57
8	76	66	60	55	75	66	59	55	64	59	55	63	58	55	62	58	54	53
9	72	62	56	52	71	62	56	52	61	55	51	60	55	51	59	54	51	50
10	69	59	52	48	68	58	52	48	57	52	48	57	52	48	56	51	48	47

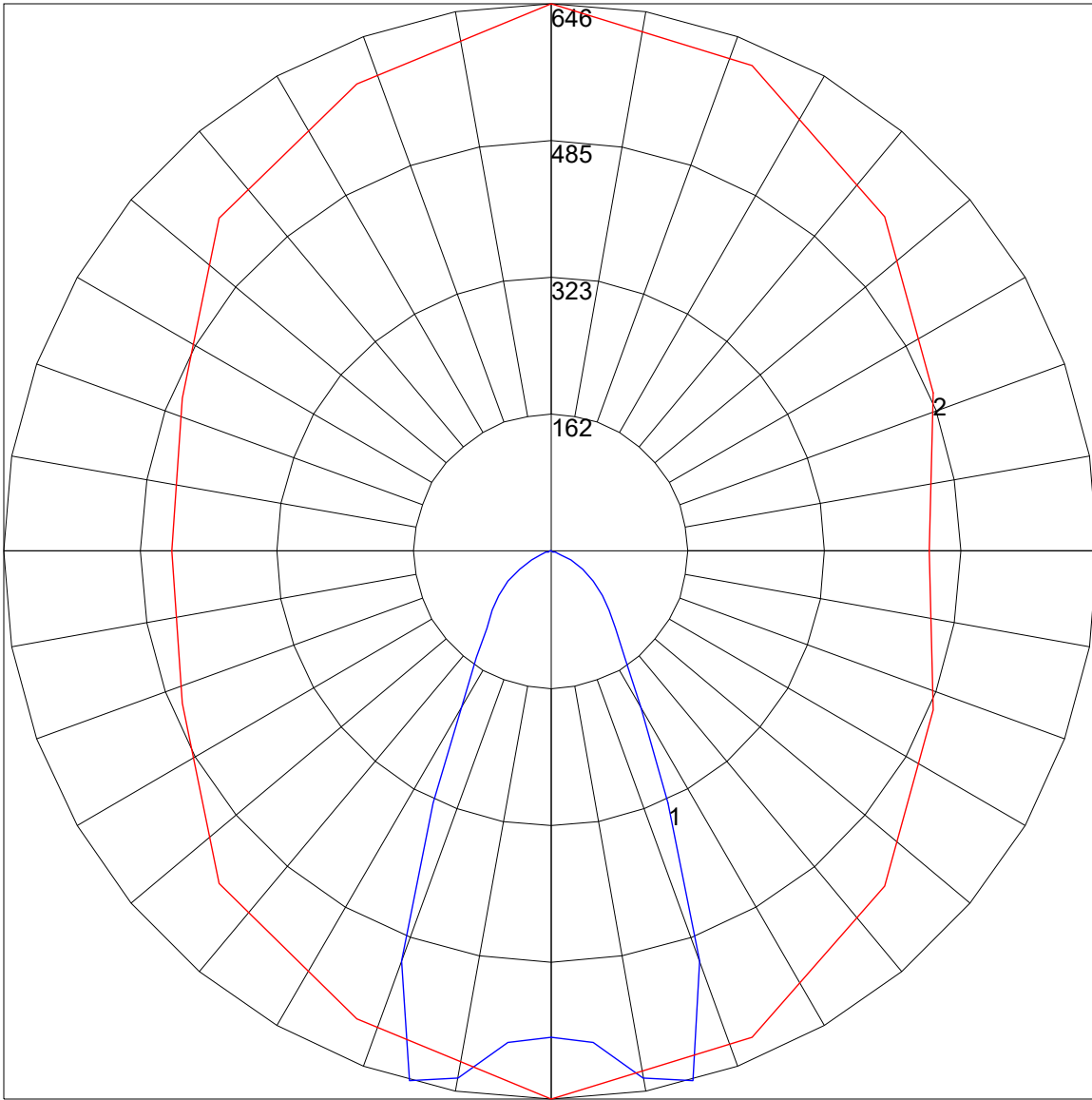
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**UGR TABLE - CORRECTED**

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	2.1	3.2	2.4	3.5	3.8	10.8	11.9	11.2	12.2	12.6
	3H	2.8	3.7	3.1	4.1	4.4	11.3	12.3	11.7	12.6	13.0
	4H	3.0	3.9	3.4	4.3	4.7	11.4	12.3	11.8	12.7	13.0
	6H	3.1	3.9	3.5	4.3	4.7	11.4	12.2	11.8	12.6	13.0
	8H	3.1	3.9	3.5	4.3	4.7	11.4	12.1	11.8	12.5	12.9
	12H	3.0	3.8	3.5	4.2	4.6	11.3	12.1	11.7	12.4	12.9
4H	2H	2.3	3.2	2.7	3.6	4.0	10.6	11.5	11.0	11.9	12.2
	3H	3.2	3.9	3.6	4.3	4.7	11.2	11.9	11.6	12.3	12.7
	4H	3.4	4.1	3.9	4.5	5.0	11.3	11.9	11.7	12.3	12.8
	6H	3.6	4.1	4.1	4.6	5.1	11.3	11.8	11.7	12.3	12.8
	8H	3.6	4.1	4.0	4.5	5.0	11.2	11.8	11.7	12.2	12.7
	12H	3.5	4.0	4.0	4.5	4.9	11.2	11.7	11.7	12.1	12.6
8H	4H	3.6	4.1	4.1	4.6	5.1	11.1	11.6	11.6	12.1	12.6
	6H	3.8	4.2	4.3	4.7	5.2	11.1	11.6	11.6	12.1	12.5
	8H	3.8	4.2	4.3	4.7	5.2	11.1	11.5	11.7	12.0	12.5
	12H	3.8	4.1	4.3	4.6	5.2	11.1	11.4	11.6	11.9	12.5
12H	4H	3.6	4.1	4.1	4.5	5.0	11.0	11.5	11.5	12.0	12.5
	6H	3.8	4.2	4.4	4.7	5.2	11.1	11.5	11.6	11.9	12.5
	8H	3.9	4.2	4.4	4.7	5.3	11.1	11.4	11.6	11.9	12.5

Maximum UGR = 13.0

POLAR GRAPH



Maximum Candela = 646 Located At Horizontal Angle = 90, Vertical Angle = 15  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)