

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 707-Z2-48-Z-35-BAWB-WH-HO.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L072413203 (SOURCE REPORT FOR REFERENCE)  
[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB  
[ISSUE DATE] 8/25/2024  
[MANUFAC] Vode Lighting LLC  
[LUMCAT] 707-Z2-48-Z-35-BAWB-WH-HO  
[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, Zipper Board, Asymmetric Wallwash White Baffle, White Finish High 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	3619
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	39.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.96
Spacing Criterion (90-270)	0.98
Spacing Criterion (Diagonal)	0.92
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	18060	19616	20394
55	17126	16236	14729
65	15248	13295	11808
75	9868	9109	7743
85	5861	4959	2254

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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>0.0</b>	2568.8	2568.8	2568.8	2568.8	2568.8	2568.8	2568.8	2568.8	2568.8
<b>2.5</b>	2707.5	2734.1	2791.1	2686.6	2760.7	2475.7	2405.4	2287.6	2259.1
<b>5.0</b>	3057.1	3057.1	3013.4	2770.2	2713.2	2348.4	2240.1	2122.3	2099.5
<b>7.5</b>	3494.1	3435.2	3243.3	2829.1	2633.4	2213.5	2082.4	1955.1	1934.2
<b>10.0</b>	3923.5	3811.4	3459.9	2865.2	2534.6	2076.7	1924.7	1776.5	1751.8
<b>12.5</b>	4159.1	4033.7	3602.4	2889.9	2433.9	1947.5	1755.6	1594.1	1571.3
<b>15.0</b>	4029.9	3986.2	3640.4	2899.4	2325.6	1818.3	1588.4	1421.2	1398.4
<b>17.5</b>	3541.6	3608.1	3547.3	2880.4	2200.2	1685.3	1432.6	1267.3	1255.9
<b>20.0</b>	2899.4	3047.6	3287.0	2823.4	2072.9	1552.3	1290.1	1151.4	1140.0
<b>22.5</b>	2283.8	2449.1	2899.4	2728.4	1951.3	1423.1	1166.6	1054.5	1048.8
<b>25.0</b>	1767.0	1930.4	2454.8	2597.3	1818.3	1303.4	1060.2	972.8	978.5
<b>27.5</b>	1392.7	1525.7	2029.2	2426.3	1677.7	1185.6	972.8	908.2	913.9
<b>30.0</b>	1134.3	1236.9	1670.1	2213.5	1537.1	1067.8	900.6	851.2	856.9
<b>32.5</b>	965.2	1037.4	1379.4	1970.3	1392.7	969.0	832.2	801.8	809.4
<b>35.0</b>	847.4	900.6	1157.1	1713.8	1252.1	874.0	773.3	752.4	761.9
<b>37.5</b>	771.4	805.6	982.3	1466.8	1105.8	792.3	718.2	704.9	714.4
<b>40.0</b>	710.6	735.3	851.2	1236.9	969.0	714.4	666.9	659.3	674.5
<b>42.5</b>	659.3	676.4	750.5	1031.7	830.3	647.9	617.5	619.4	636.5
<b>45.0</b>	617.5	627.0	670.7	849.3	697.3	585.2	570.0	579.5	602.3
<b>47.5</b>	583.3	585.2	604.2	695.4	583.3	520.6	522.5	535.8	560.5
<b>50.0</b>	551.0	547.2	547.2	573.8	507.3	469.3	476.9	488.3	499.7
<b>52.5</b>	513.0	507.3	497.8	490.2	456.0	419.9	431.3	438.9	438.9
<b>55.0</b>	475.0	467.4	450.3	433.2	408.5	380.0	385.7	385.7	385.7
<b>57.5</b>	437.0	427.5	404.7	387.6	366.7	336.3	340.1	338.2	338.2
<b>60.0</b>	400.9	385.7	359.1	343.9	323.0	296.4	296.4	290.7	290.7
<b>62.5</b>	362.9	345.8	313.5	300.2	281.2	256.5	252.7	247.0	241.3
<b>65.0</b>	311.6	300.2	271.7	258.4	241.3	218.5	210.9	203.3	193.8
<b>67.5</b>	260.3	252.7	228.0	220.4	201.4	180.5	172.9	163.4	152.0
<b>70.0</b>	210.9	207.1	186.2	180.5	165.3	144.4	133.0	125.4	117.8
<b>72.5</b>	165.3	163.4	148.2	142.5	131.1	112.1	102.6	91.2	85.5
<b>75.0</b>	123.5	123.5	114.0	110.2	96.9	77.9	74.1	64.6	64.6
<b>77.5</b>	89.3	91.2	81.7	79.8	68.4	53.2	49.4	43.7	41.8
<b>80.0</b>	64.6	64.6	55.1	53.2	43.7	34.2	30.4	24.7	24.7
<b>82.5</b>	41.8	41.8	36.1	32.3	24.7	15.2	15.2	13.3	13.3
<b>85.0</b>	24.7	24.7	20.9	15.2	9.5	5.7	5.7	5.7	3.8
<b>87.5</b>	13.3	13.3	9.5	5.7	1.9	0.0	0.0	0.0	0.0
<b>90.0</b>	3.8	1.9	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	950.10	N.A.	26.30
0-30	1728.1	N.A.	47.80
0-40	2376.11	N.A.	65.70
0-60	3255.29	N.A.	90.00
0-80	3601.01	N.A.	99.50
0-90	3618.75	N.A.	100.00
10-90	3368.15	N.A.	93.10
20-40	1426.01	N.A.	39.40
20-50	1930.1	N.A.	53.30
40-70	1121.78	N.A.	31.00
60-80	345.71	N.A.	9.60
70-80	103.11	N.A.	2.80
80-90	17.74	N.A.	0.50
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	3618.75	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	250.60
10-20	699.51
20-30	777.99
30-40	648.02
40-50	504.09
50-60	375.09
60-70	242.60
70-80	103.11
80-90	17.74
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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56
6	78	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43
9	66	54	47	42	64	53	47	42	52	46	42	51	46	41	50	45	41	40
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	38	37

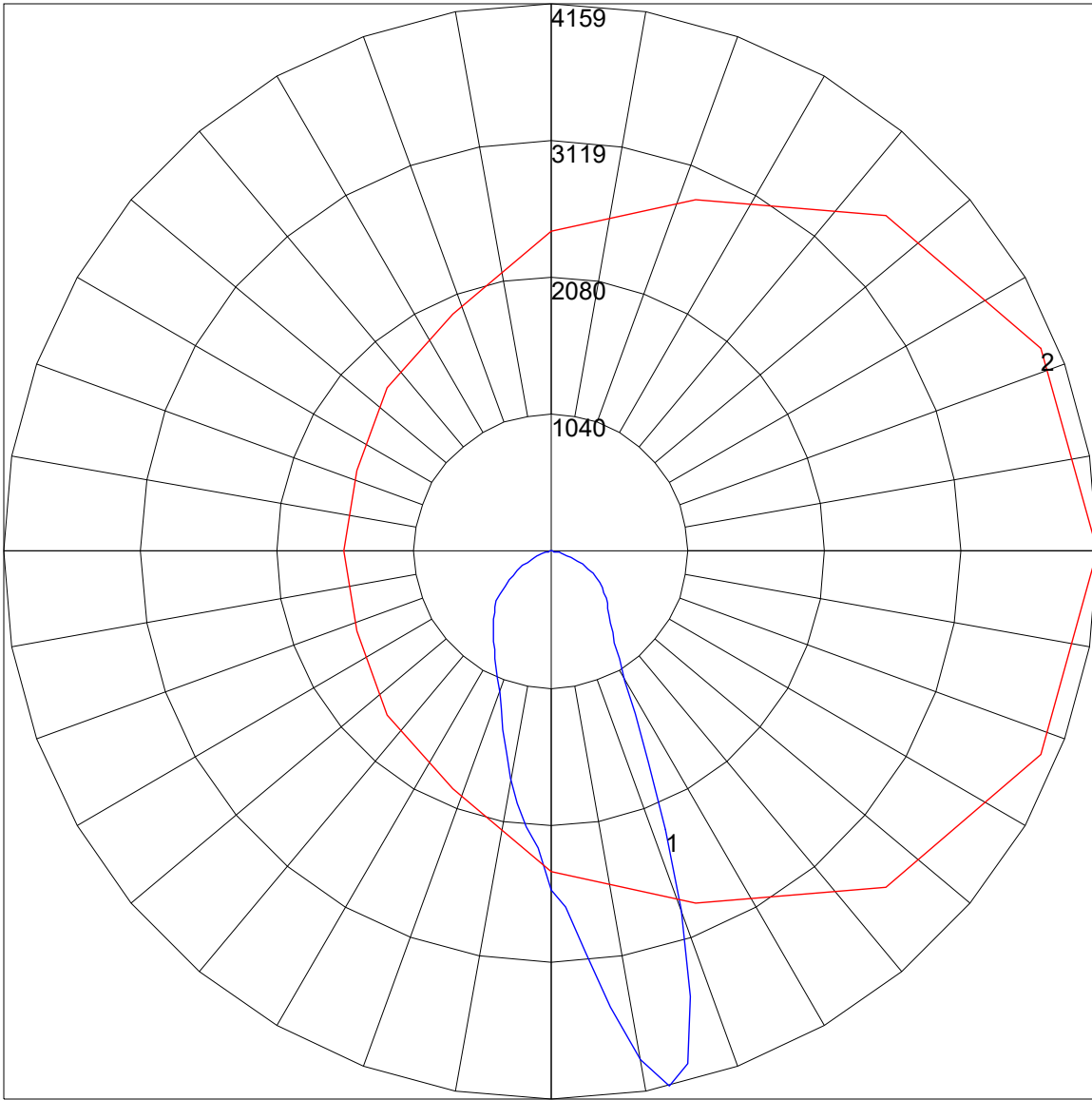
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**UGR TABLE - CORRECTED**

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	21.1	22.5	21.5	22.8	23.1	20.0	21.3	20.3	21.6	21.9
	3H	22.6	23.8	22.9	24.1	24.5	21.2	22.4	21.6	22.8	23.1
	4H	23.0	24.1	23.4	24.5	24.8	21.6	22.7	22.0	23.1	23.5
	6H	23.2	24.2	23.6	24.6	25.0	21.7	22.8	22.1	23.2	23.5
	8H	23.2	24.2	23.7	24.6	25.0	21.8	22.7	22.2	23.1	23.5
	12H	23.2	24.2	23.7	24.6	25.0	21.7	22.7	22.2	23.1	23.5
4H	2H	21.5	22.7	21.9	23.0	23.4	20.4	21.6	20.8	21.9	22.3
	3H	23.1	24.1	23.6	24.5	24.9	21.8	22.8	22.3	23.2	23.6
	4H	23.6	24.5	24.1	24.9	25.3	22.3	23.1	22.7	23.5	24.0
	6H	24.0	24.7	24.4	25.1	25.6	22.5	23.2	23.0	23.7	24.1
	8H	24.0	24.7	24.5	25.1	25.6	22.5	23.2	23.0	23.7	24.1
	12H	24.1	24.7	24.6	25.1	25.6	22.5	23.1	23.0	23.6	24.1
8H	4H	23.7	24.4	24.2	24.9	25.3	22.4	23.1	22.9	23.5	24.0
	6H	24.1	24.7	24.6	25.2	25.6	22.7	23.2	23.2	23.7	24.2
	8H	24.2	24.7	24.7	25.2	25.7	22.7	23.2	23.2	23.7	24.2
	12H	24.3	24.8	24.8	25.2	25.8	22.7	23.2	23.2	23.7	24.2
12H	4H	23.7	24.3	24.2	24.8	25.3	22.4	23.0	22.9	23.5	23.9
	6H	24.1	24.6	24.6	25.1	25.6	22.7	23.2	23.2	23.6	24.2
	8H	24.2	24.7	24.8	25.2	25.7	22.7	23.2	23.2	23.7	24.2

Maximum UGR = 25.8

POLAR GRAPH



Maximum Candela = 4159.1 Located At Horizontal Angle = 0, Vertical Angle = 12.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (12.5) (Through Max. Cd.)