

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707-Z2-48-Z-359-BAWB-WH-SO.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-359-BAWB-WH-SO
[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, Zipper Board, Asymmetric Wallwash White Baffle, White Finish, Standard Output
[MORE] 3535 Low Glare, Standard Output, white
[TEST PROCEDURE] IESNA:LM-79-19

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1600
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	26.2
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	7984	8672	9016
55	7572	7178	6512
65	6741	5878	5220
75	4363	4027	3423
85	2591	2192	997

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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>
0.0	1135.68	1135.68	1135.68	1135.68	1135.68	1135.68	1135.68	1135.68	1135.68
2.5	1197.00	1208.76	1233.96	1187.76	1220.52	1094.52	1063.44	1011.36	998.76
5.0	1351.56	1351.56	1332.24	1224.72	1199.52	1038.24	990.36	938.28	928.20
7.5	1544.76	1518.72	1433.88	1250.76	1164.24	978.60	920.64	864.36	855.12
10.0	1734.60	1685.04	1529.64	1266.72	1120.56	918.12	850.92	785.40	774.48
12.5	1838.76	1783.32	1592.64	1277.64	1076.04	861.00	776.16	704.76	694.68
15.0	1781.64	1762.32	1609.44	1281.84	1028.16	803.88	702.24	628.32	618.24
17.5	1565.76	1595.16	1568.28	1273.44	972.72	745.08	633.36	560.28	555.24
20.0	1281.84	1347.36	1453.20	1248.24	916.44	686.28	570.36	509.04	504.00
22.5	1009.68	1082.76	1281.84	1206.24	862.68	629.16	515.76	466.20	463.68
25.0	781.20	853.44	1085.28	1148.28	803.88	576.24	468.72	430.08	432.60
27.5	615.72	674.52	897.12	1072.68	741.72	524.16	430.08	401.52	404.04
30.0	501.48	546.84	738.36	978.60	679.56	472.08	398.16	376.32	378.84
32.5	426.72	458.64	609.84	871.08	615.72	428.40	367.92	354.48	357.84
35.0	374.64	398.16	511.56	757.68	553.56	386.40	341.88	332.64	336.84
37.5	341.04	356.16	434.28	648.48	488.88	350.28	317.52	311.64	315.84
40.0	314.16	325.08	376.32	546.84	428.40	315.84	294.84	291.48	298.20
42.5	291.48	299.04	331.80	456.12	367.08	286.44	273.00	273.84	281.40
45.0	273.00	277.20	296.52	375.48	308.28	258.72	252.00	256.20	266.28
47.5	257.88	258.72	267.12	307.44	257.88	230.16	231.00	236.88	247.80
50.0	243.60	241.92	241.92	253.68	224.28	207.48	210.84	215.88	220.92
52.5	226.80	224.28	220.08	216.72	201.60	185.64	190.68	194.04	194.04
55.0	210.00	206.64	199.08	191.52	180.60	168.00	170.52	170.52	170.52
57.5	193.20	189.00	178.92	171.36	162.12	148.68	150.36	149.52	149.52
60.0	177.24	170.52	158.76	152.04	142.80	131.04	131.04	128.52	128.52
62.5	160.44	152.88	138.60	132.72	124.32	113.40	111.72	109.20	106.68
65.0	137.76	132.72	120.12	114.24	106.68	96.60	93.24	89.88	85.68
67.5	115.08	111.72	100.80	97.44	89.04	79.80	76.44	72.24	67.20
70.0	93.24	91.56	82.32	79.80	73.08	63.84	58.80	55.44	52.08
72.5	73.08	72.24	65.52	63.00	57.96	49.56	45.36	40.32	37.80
75.0	54.60	54.60	50.40	48.72	42.84	34.44	32.76	28.56	28.56
77.5	39.48	40.32	36.12	35.28	30.24	23.52	21.84	19.32	18.48
80.0	28.56	28.56	24.36	23.52	19.32	15.12	13.44	10.92	10.92
82.5	18.48	18.48	15.96	14.28	10.92	6.72	6.72	5.88	5.88
85.0	10.92	10.92	9.24	6.72	4.20	2.52	2.52	2.52	1.68
87.5	5.88	5.88	4.20	2.52	0.84	0.00	0.00	0.00	0.00
90.0	1.68	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	420.05	N.A.	26.30
0-30	764.00	N.A.	47.80
0-40	1050.49	N.A.	65.70
0-60	1439.18	N.A.	90.00
0-80	1592.02	N.A.	99.50
0-90	1599.87	N.A.	100.00
10-90	1489.08	N.A.	93.10
20-40	630.45	N.A.	39.40
20-50	853.31	N.A.	53.30
40-70	495.95	N.A.	31.00
60-80	152.84	N.A.	9.60
70-80	45.59	N.A.	2.80
80-90	7.84	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	1599.87	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	110.79
10-20	309.26
20-30	343.96
30-40	286.49
40-50	222.86
50-60	165.83
60-70	107.26
70-80	45.59
80-90	7.84
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	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	103	97	91	87	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78
3	96	88	81	76	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56
6	78	67	60	54	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	74	62	55	49	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47
8	69	58	50	45	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43
9	66	54	47	42	42	64	53	47	42	52	46	42	51	46	41	50	45	41	40
10	62	50	44	39	39	61	50	43	39	49	43	39	48	43	39	47	42	38	37

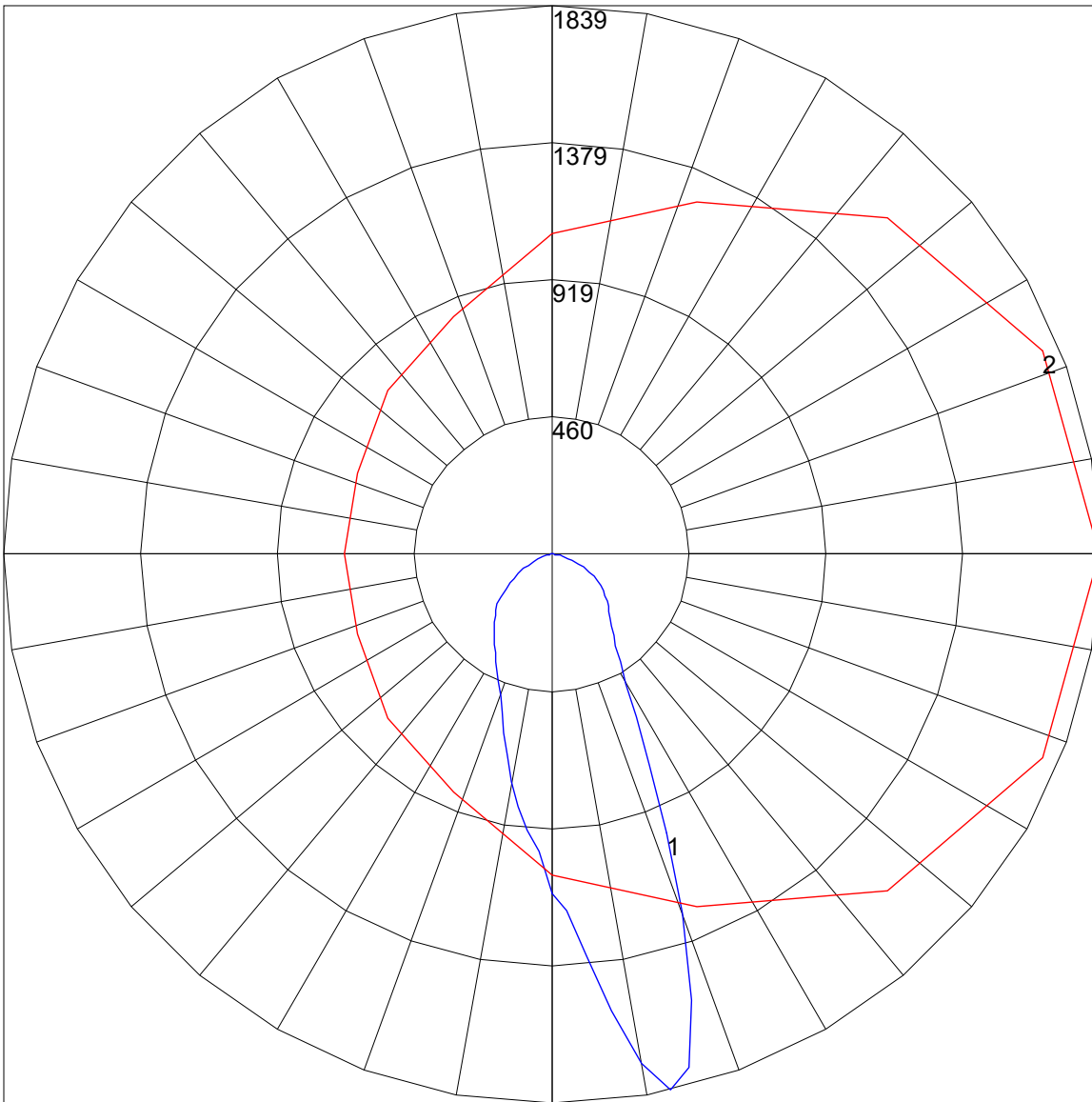
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UGR TABLE - CORRECTED

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	18.2	19.6	18.6	19.9	20.2	17.1	18.4	17.4	18.7	19.0
	3H	19.7	20.9	20.0	21.2	21.6	18.3	19.5	18.7	19.9	20.2
	4H	20.1	21.2	20.5	21.6	21.9	18.7	19.8	19.1	20.2	20.6
	6H	20.3	21.3	20.7	21.7	22.1	18.8	19.9	19.2	20.3	20.6
	8H	20.3	21.3	20.8	21.7	22.1	18.9	19.8	19.3	20.2	20.6
	12H	20.3	21.3	20.8	21.7	22.1	18.8	19.8	19.3	20.2	20.6
4H	2H	18.6	19.8	19.0	20.1	20.5	17.5	18.7	17.9	19.0	19.4
	3H	20.2	21.2	20.7	21.6	22.0	18.9	19.9	19.4	20.3	20.7
	4H	20.7	21.6	21.2	22.0	22.4	19.4	20.2	19.8	20.6	21.1
	6H	21.1	21.8	21.5	22.2	22.7	19.6	20.3	20.1	20.8	21.2
	8H	21.1	21.8	21.6	22.2	22.7	19.6	20.3	20.1	20.8	21.2
	12H	21.2	21.8	21.7	22.2	22.7	19.6	20.2	20.1	20.7	21.2
8H	4H	20.8	21.5	21.3	22.0	22.4	19.5	20.2	20.0	20.6	21.1
	6H	21.2	21.8	21.7	22.3	22.7	19.8	20.3	20.3	20.8	21.3
	8H	21.3	21.8	21.8	22.3	22.8	19.8	20.3	20.3	20.8	21.3
	12H	21.4	21.9	21.9	22.3	22.9	19.8	20.3	20.3	20.8	21.3
12H	4H	20.8	21.4	21.3	21.9	22.4	19.5	20.1	20.0	20.6	21.0
	6H	21.2	21.7	21.7	22.2	22.7	19.8	20.3	20.3	20.7	21.3
	8H	21.3	21.8	21.9	22.3	22.8	19.8	20.3	20.3	20.8	21.3

Maximum UGR = 22.9

POLAR GRAPH



Maximum Candela = 1838.76 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.)