

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707-Z2-48-Z-35-B4GB-WH-HO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L072413213 (SOURCE REPORT BASED FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB
[ISSUE DATE] 8/16/2024
[MANUFAC] Vode Lighting LLC
[LUMCAT] 707-Z2-48-Z-35-B4GB-WH-HO
[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, Zipper Board, Bisymmetric, Graphite Baffle, White Finish, High Output
[MORE] 3535 Low Glare, High Output, White
[TEST PROCEDURE] IESNA:LM-79-19

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2199
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	39.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.86
Spacing Criterion (90-270)	0.94
Spacing Criterion (Diagonal)	0.94
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.13 ft
Luminous Height	0.13 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5220	3983	5390
55	1506	1241	3442
65	869	399	1449
75	406	122	321
85	0	0	36

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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	1732.8	1732.8	1732.8	1732.8	1732.8	1732.8	1732.8	1732.8	1732.8
5	1672.0	1727.1	1863.9	1922.8	2027.3	2000.7	1816.4	1706.2	1666.3
10	1540.9	1717.6	2131.8	2422.5	2568.8	2475.7	2052.0	1698.6	1535.2
15	1392.7	1719.5	2321.8	2724.6	2762.6	2593.5	2255.3	1677.7	1385.1
20	1225.5	1673.9	2221.1	2295.2	2033.0	1977.9	2175.5	1599.8	1214.1
25	1039.3	1550.4	1681.5	1366.1	1162.8	1145.7	1658.7	1442.1	1029.8
30	843.6	1316.7	1029.8	818.9	756.2	701.1	1058.3	1176.1	834.1
35	636.5	989.9	619.4	560.5	556.7	484.5	625.1	834.1	630.8
40	418.0	627.0	383.8	404.7	438.9	361.0	381.9	495.9	400.9
45	184.3	319.2	235.6	311.6	368.6	279.3	233.7	228.0	201.4
50	70.3	108.3	138.7	241.3	309.7	210.9	140.6	72.2	70.3
55	43.7	47.5	70.3	176.7	231.8	146.3	70.3	41.8	43.7
60	28.5	30.4	34.2	108.3	159.6	85.5	34.2	24.7	28.5
65	19.0	17.1	20.9	57.0	93.1	43.7	19.0	15.2	19.0
70	9.5	11.4	11.4	28.5	43.7	20.9	15.2	7.6	9.5
75	5.7	5.7	5.7	13.3	19.0	9.5	5.7	5.7	3.8
80	3.8	3.8	1.9	5.7	7.6	5.7	3.8	1.9	3.8
85	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0
90	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	771.59	N.A.	35.10
0-30	1411.98	N.A.	64.20
0-40	1834.94	N.A.	83.40
0-60	2149.78	N.A.	97.70
0-80	2198.08	N.A.	99.90
0-90	2199.38	N.A.	100.00
10-90	2016.51	N.A.	91.70
20-40	1063.35	N.A.	48.30
20-50	1282.03	N.A.	58.30
40-70	352.58	N.A.	16.00
60-80	48.30	N.A.	2.20
70-80	10.57	N.A.	0.50
80-90	1.29	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	2199.38	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	182.87
10-20	588.72
20-30	640.40
30-40	422.95
40-50	218.68
50-60	96.17
60-70	37.73
70-80	10.57
80-90	1.29
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	97	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	84	79	75	81	77	74	80	76	73	72
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	75	68	64	73	68	64	72	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	65	59	55	64	59	55	63	58	55	62	58	54	53
9	72	62	56	52	71	62	56	51	61	55	51	60	55	51	59	54	51	49
10	69	59	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46

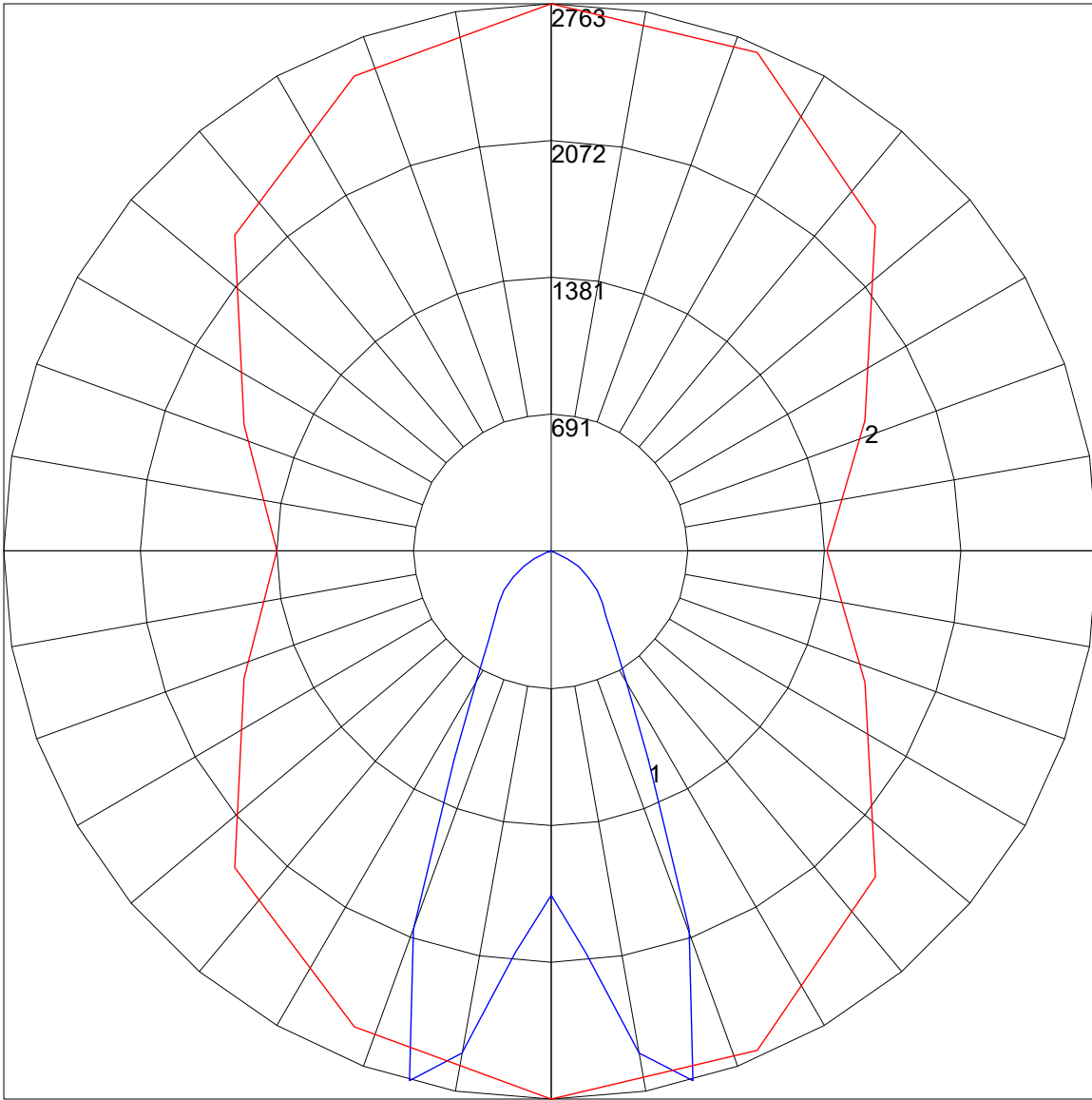
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UGR TABLE - CORRECTED

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	3.1	4.2	3.5	4.5	4.8	13.8	14.9	14.2	15.3	15.6
	3H	3.4	4.4	3.8	4.7	5.1	14.3	15.3	14.7	15.6	16.0
	4H	3.4	4.3	3.8	4.7	5.1	14.3	15.2	14.7	15.6	16.0
	6H	3.4	4.2	3.8	4.6	5.0	14.3	15.1	14.7	15.5	15.9
	8H	3.4	4.1	3.8	4.5	4.9	14.2	15.0	14.7	15.4	15.8
	12H	3.3	4.1	3.8	4.4	4.9	14.2	14.9	14.6	15.3	15.7
4H	2H	3.3	4.2	3.7	4.6	5.0	13.6	14.5	14.0	14.8	15.2
	3H	3.7	4.5	4.1	4.9	5.3	14.1	14.8	14.5	15.2	15.6
	4H	3.8	4.4	4.2	4.8	5.3	14.1	14.7	14.5	15.2	15.6
	6H	3.8	4.3	4.2	4.8	5.2	14.1	14.6	14.5	15.1	15.5
	8H	3.7	4.2	4.2	4.7	5.2	14.0	14.5	14.5	15.0	15.5
	12H	3.7	4.1	4.1	4.6	5.1	14.0	14.4	14.4	14.9	15.4
8H	4H	3.8	4.3	4.3	4.8	5.3	13.9	14.4	14.4	14.9	15.4
	6H	3.8	4.2	4.3	4.7	5.2	13.9	14.3	14.4	14.8	15.3
	8H	3.8	4.2	4.3	4.7	5.2	13.8	14.2	14.4	14.7	15.2
	12H	3.7	4.1	4.3	4.6	5.1	13.8	14.1	14.3	14.6	15.2
12H	4H	3.8	4.2	4.3	4.7	5.2	13.9	14.3	14.3	14.8	15.3
	6H	3.8	4.2	4.3	4.6	5.2	13.8	14.2	14.4	14.7	15.2
	8H	3.8	4.1	4.3	4.6	5.2	13.8	14.1	14.3	14.6	15.2

Maximum UGR = 16.0

POLAR GRAPH



Maximum Candela = 2762.6 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.)