

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707-Z2-48-Z-359-B1GB-BL-HO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L072413205 (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-359-B1GB-BL-HO
[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, Zipper Board, 25° Graphite Baffle, Black Finish, High Output
[MORE] 3535 Low Glare, High Output, Black
[TEST PROCEDURE] IESNA:LM-79-19

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1259
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	32
Total Luminaire Watts	39.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.74
Spacing Criterion (90-270)	0.34
Spacing Criterion (Diagonal)	0.48
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	4577	1677	1825
55	827	480	713
65	366	153	274
75	0	34	54
85	0	0	0

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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	2990.4	2990.4	2990.4	2990.4	2990.4	2990.4	2990.4	2990.4	2990.4
2.5	2929.6	2931.2	2899.2	2897.6	2889.6	2803.2	2860.8	2888.0	2907.2
5.0	2816.0	2782.4	2624.0	2524.8	2395.2	2380.8	2582.4	2740.8	2824.0
7.5	2680.0	2563.2	2248.0	2040.0	1851.2	1899.2	2211.2	2510.4	2681.6
10.0	2532.8	2318.4	1843.2	1584.0	1404.8	1470.4	1811.2	2243.2	2510.4
12.5	2371.2	2067.2	1496.0	1224.0	1083.2	1140.8	1452.8	1977.6	2339.2
15.0	2177.6	1798.4	1208.0	953.6	841.6	884.8	1166.4	1720.0	2156.8
17.5	1969.6	1534.4	968.0	748.8	672.0	696.0	937.6	1480.0	1966.4
20.0	1784.0	1307.2	772.8	608.0	563.2	571.2	755.2	1257.6	1768.0
22.5	1598.4	1113.6	620.8	502.4	467.2	468.8	611.2	1060.8	1563.2
25.0	1395.2	932.8	510.4	419.2	412.8	396.8	502.4	889.6	1372.8
27.5	1201.6	776.0	420.8	363.2	347.2	340.8	411.2	739.2	1190.4
30.0	1022.4	638.4	344.0	300.8	299.2	284.8	336.0	604.8	1008.0
32.5	852.8	520.0	286.4	254.4	267.2	244.8	283.2	492.8	840.0
35.0	689.6	419.2	240.0	222.4	227.2	209.6	236.8	395.2	678.4
37.5	536.0	331.2	193.6	187.2	195.2	176.0	188.8	310.4	528.0
40.0	400.0	256.0	156.8	160.0	168.0	148.8	153.6	236.8	388.8
42.5	273.6	187.2	128.0	132.8	145.6	126.4	126.4	172.8	265.6
45.0	161.6	128.0	99.2	112.0	124.8	104.0	97.6	116.8	155.2
47.5	75.2	81.6	78.4	92.8	104.0	86.4	76.8	70.4	72.0
50.0	43.2	46.4	57.6	75.2	83.2	67.2	57.6	36.8	43.2
52.5	32.0	28.8	41.6	56.0	64.0	52.8	40.0	25.6	32.0
55.0	24.0	22.4	27.2	41.6	48.0	38.4	28.8	20.8	24.0
57.5	19.2	17.6	17.6	30.4	40.0	28.8	17.6	16.0	19.2
60.0	12.8	12.8	12.8	24.0	32.0	20.8	12.8	12.8	12.8
62.5	11.2	12.8	11.2	17.6	24.0	16.0	9.6	9.6	11.2
65.0	8.0	6.4	8.0	12.8	17.6	12.8	8.0	6.4	8.0
67.5	8.0	4.8	6.4	8.0	12.8	6.4	4.8	4.8	4.8
70.0	3.2	3.2	3.2	6.4	8.0	4.8	4.8	3.2	3.2
72.5	3.2	3.2	3.2	4.8	4.8	3.2	1.6	3.2	3.2
75.0	0.0	1.6	1.6	3.2	3.2	1.6	0.0	1.6	0.0
77.5	0.0	0.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0
80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5	0.0	0.0	0.0	0.0	0.0	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	0.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	601.41	N.A.	47.80
0-30	915.98	N.A.	72.70
0-40	1122.59	N.A.	89.10
0-60	1246.94	N.A.	99.00
0-80	1259.27	N.A.	100.00
0-90	1259.27	N.A.	100.00
10-90	1033.46	N.A.	82.10
20-40	521.18	N.A.	41.40
20-50	615.51	N.A.	48.90
40-70	134.66	N.A.	10.70
60-80	12.33	N.A.	1.00
70-80	2.02	N.A.	0.20
80-90	0.00	N.A.	0.00
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	1259.27	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	225.81
10-20	375.60
20-30	314.57
30-40	206.62
40-50	94.32
50-60	30.03
60-70	10.31
70-80	2.02
80-90	0.00
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	0
1	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94	0
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88	0
3	103	97	92	88	101	96	91	88	93	89	86	91	87	85	88	86	84	82	0
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	77	0
5	94	86	80	76	92	85	79	76	83	78	75	81	77	74	80	76	74	72	0
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68	0
7	85	77	71	67	84	76	70	67	75	70	66	73	69	66	72	69	66	64	0
8	82	73	67	63	80	72	67	63	71	66	63	70	66	62	69	65	62	61	0
9	78	69	64	60	77	69	63	60	68	63	59	67	62	59	66	62	59	58	0
10	75	66	60	57	74	65	60	57	65	60	57	64	60	56	63	59	56	55	0

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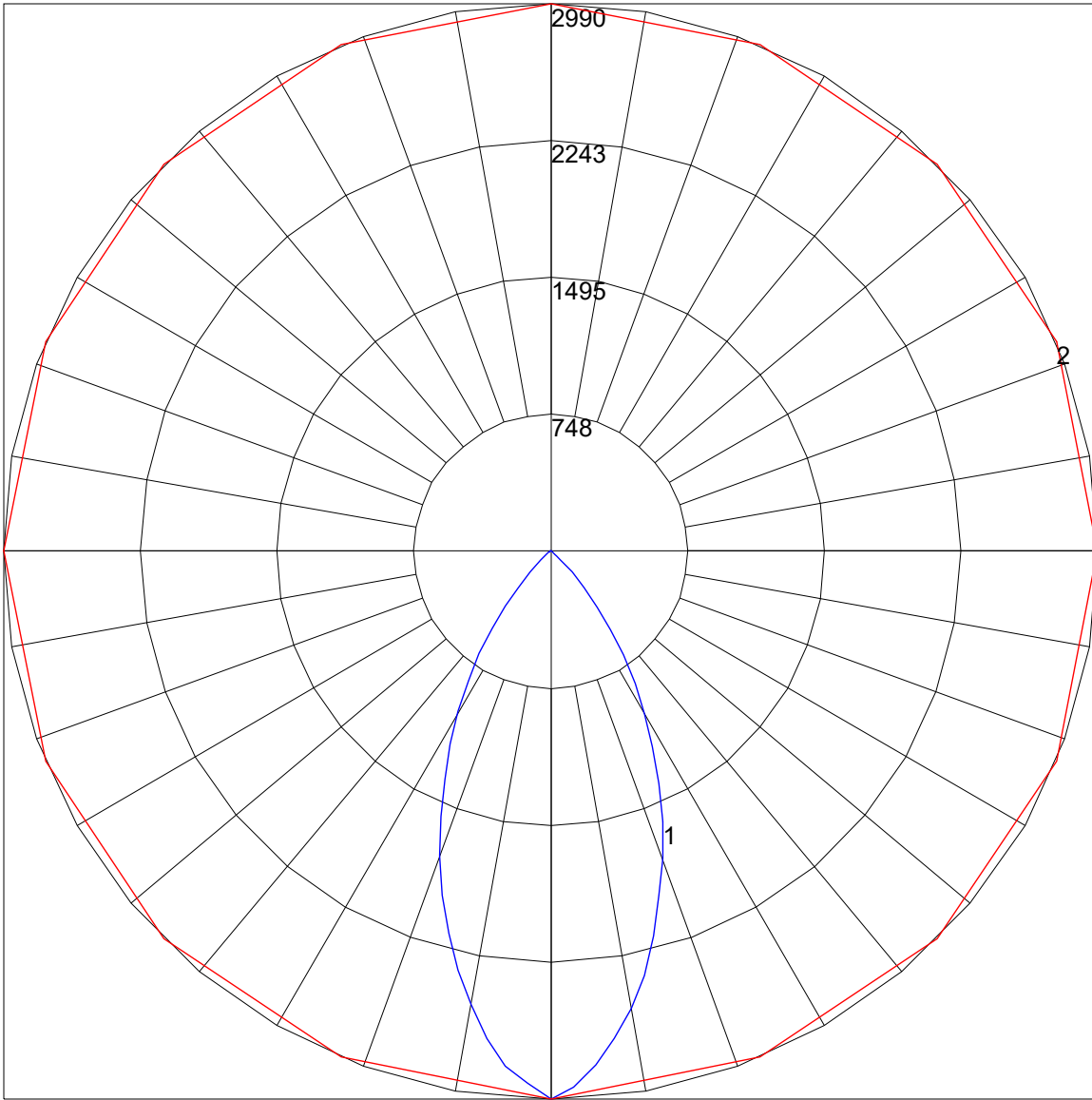
UGR TABLE - CORRECTED

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	0.9	0.9	0.9	1.2	1.5	5.5	6.5	5.8	6.8	7.1
	3H	0.9	0.9	0.9	1.3	1.6	5.8	6.7	6.2	7.0	7.4
	4H	0.9	0.9	0.9	1.1	1.5	5.7	6.6	6.1	6.9	7.3
	6H	0.9	0.9	0.9	1.0	1.4	5.6	6.4	6.1	6.8	7.2
	8H	0.9	0.9	0.9	0.9	1.3	5.6	6.3	6.0	6.7	7.1
	12H	0.9	0.9	0.9	0.9	1.2	5.5	6.2	6.0	6.6	7.0
4H	2H	0.9	0.9	0.9	1.1	1.5	5.2	6.1	5.7	6.4	6.8
	3H	0.9	0.9	0.9	1.2	1.6	5.6	6.2	6.0	6.7	7.1
	4H	0.9	0.9	0.9	1.1	1.5	5.5	6.1	6.0	6.6	7.0
	6H	0.9	0.9	0.9	0.9	1.4	5.4	6.0	5.9	6.4	6.9
	8H	0.9	0.9	0.9	0.9	1.3	5.4	5.9	5.8	6.3	6.8
	12H	0.9	0.9	0.9	0.9	1.2	5.3	5.7	5.8	6.2	6.7
8H	4H	0.9	0.9	0.9	0.9	1.3	5.4	5.8	5.8	6.3	6.8
	6H	0.9	0.9	0.9	0.9	1.2	5.3	5.6	5.8	6.1	6.6
	8H	0.9	0.9	0.9	0.9	1.1	5.2	5.5	5.7	6.0	6.5
	12H	0.9	0.9	0.9	0.9	1.0	5.1	5.4	5.6	5.9	6.5
12H	4H	0.9	0.9	0.9	0.9	1.2	5.3	5.7	5.8	6.2	6.7
	6H	0.9	0.9	0.9	0.9	1.1	5.2	5.5	5.7	6.0	6.5
	8H	0.9	0.9	0.9	0.9	1.0	5.1	5.4	5.6	5.9	6.5

Maximum UGR = 7.4

POLAR GRAPH



Maximum Candela = 2990.4 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)