

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707-Z2-48-Z-359-B3GB-WH-HO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L072413210 (SOURCE REPORT BASED FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB
[ISSUE DATE] 8/27/2024
[MANUFAC] Vode Lighting LLC
[LUMCAT] 707-Z2-48-Z-359-B3GB-WH-HO
[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, Zipper Board, 120° 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	1497
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	38
Total Luminaire Watts	39.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.02
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	2946	4219	5849
55	992	1186	3255
65	512	305	1245
75	228	103	270
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	1246.4	1246.4	1246.4	1246.4	1246.4	1246.4	1246.4	1246.4	1246.4
5	1188.8	1203.2	1203.2	1228.8	1243.2	1243.2	1230.4	1182.4	1196.8
10	1057.6	1110.4	1147.2	1206.4	1248.0	1214.4	1136.0	1086.4	1089.6
15	947.2	992.0	1052.8	1214.4	1284.8	1188.8	1076.8	955.2	955.2
20	792.0	864.0	1000.0	1206.4	1315.2	1171.2	992.0	825.6	816.0
25	646.4	723.2	900.8	1129.6	1216.0	1094.4	899.2	680.0	659.2
30	492.8	588.8	782.4	910.4	896.0	800.0	782.4	548.8	520.0
35	360.0	456.0	587.2	667.2	704.0	579.2	584.0	411.2	372.8
40	233.6	315.2	387.2	502.4	542.4	432.0	369.6	280.0	241.6
45	104.0	182.4	249.6	363.2	400.0	302.4	232.0	147.2	118.4
50	40.0	70.4	145.6	252.8	299.2	209.6	131.2	46.4	43.2
55	28.8	33.6	67.2	164.8	219.2	137.6	59.2	28.8	28.8
60	16.0	20.8	28.8	99.2	145.6	78.4	28.8	16.0	20.8
65	11.2	12.8	16.0	52.8	80.0	36.8	16.0	9.6	11.2
70	8.0	8.0	8.0	22.4	36.8	17.6	9.6	4.8	4.8
75	3.2	4.8	4.8	9.6	16.0	8.0	4.8	3.2	3.2
80	0.0	1.6	3.2	4.8	4.8	3.2	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
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	421.23	N.A.	28.10
0-30	831.50	N.A.	55.50
0-40	1173.49	N.A.	78.40
0-60	1457.49	N.A.	97.30
0-80	1496.82	N.A.	100.00
0-90	1497.42	N.A.	100.00
10-90	1383.25	N.A.	92.40
20-40	752.26	N.A.	50.20
20-50	949.69	N.A.	63.40
40-70	315.44	N.A.	21.10
60-80	39.33	N.A.	2.60
70-80	7.90	N.A.	0.50
80-90	0.60	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	1497.42	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	114.17
10-20	307.05
20-30	410.28
30-40	341.99
40-50	197.42
50-60	86.57
60-70	31.44
70-80	7.90
80-90	0.60
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	99	92	86	82	97	91	85	81	88	83	80	85	82	78	83	80	77	75
4	93	85	78	73	91	84	78	73	81	76	72	79	75	71	77	73	70	69
5	88	78	71	67	86	77	71	66	75	70	66	74	69	65	72	68	64	63
6	83	72	66	61	81	72	65	60	70	64	60	68	63	60	67	63	59	58
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	54	53
8	73	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	50	49
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45
10	66	55	48	44	65	54	48	44	54	48	44	53	47	44	52	47	44	42

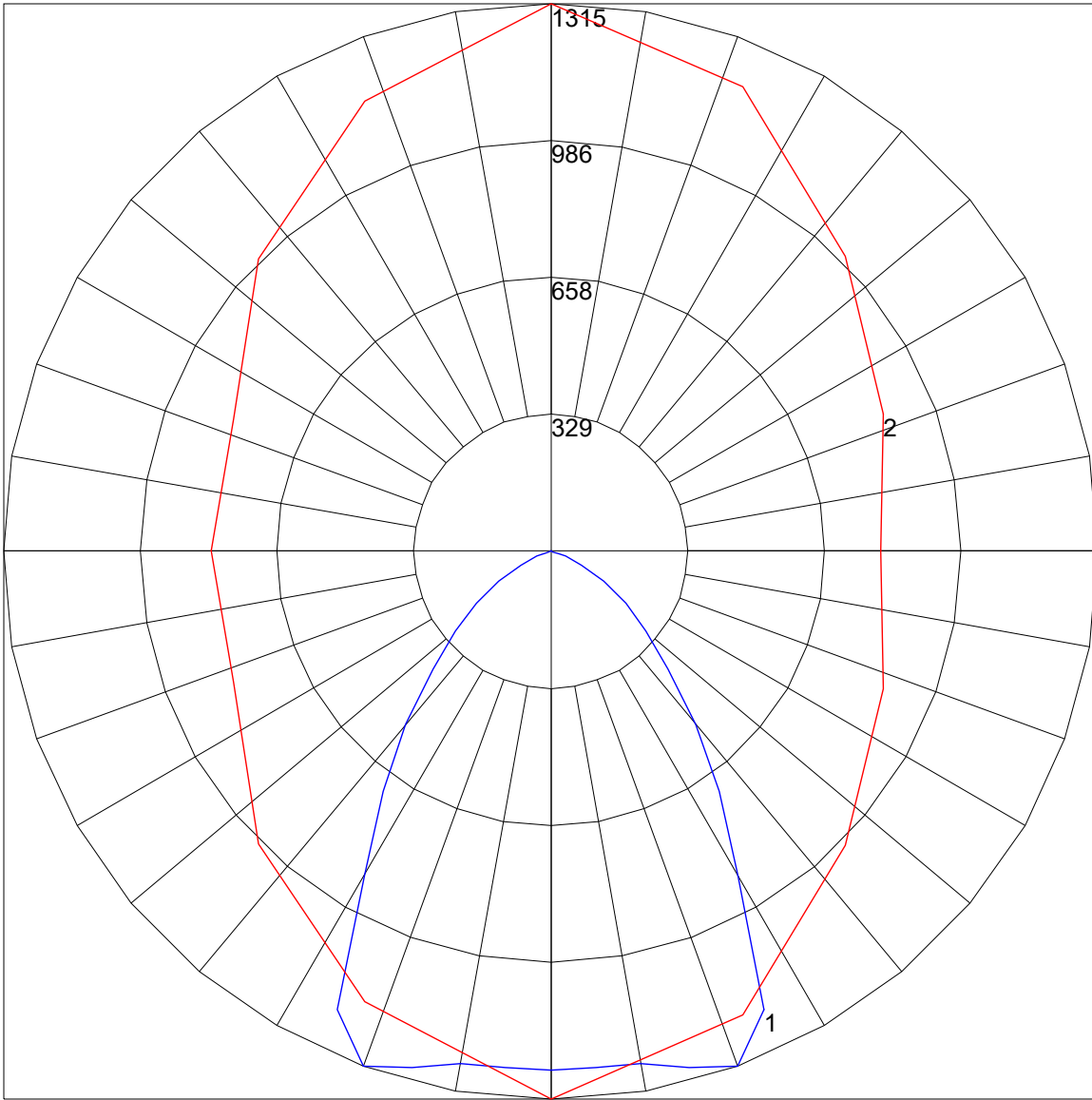
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UGR TABLE - CORRECTED

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	1.7	2.9	2.1	3.2	3.5	14.6	15.8	15.0	16.1	16.4
	3H	2.1	3.1	2.5	3.5	3.8	15.0	16.0	15.3	16.3	16.7
	4H	2.1	3.1	2.5	3.4	3.8	15.0	15.9	15.4	16.3	16.7
	6H	2.1	2.9	2.5	3.3	3.7	14.9	15.8	15.3	16.2	16.6
	8H	2.0	2.8	2.4	3.2	3.6	14.9	15.7	15.3	16.1	16.5
	12H	2.0	2.7	2.4	3.1	3.6	14.8	15.6	15.3	16.0	16.4
4H	2H	2.1	3.0	2.5	3.4	3.8	14.4	15.3	14.8	15.7	16.1
	3H	2.5	3.3	3.0	3.7	4.1	14.7	15.5	15.1	15.9	16.3
	4H	2.6	3.3	3.0	3.7	4.2	14.7	15.4	15.2	15.8	16.3
	6H	2.5	3.1	3.0	3.6	4.1	14.7	15.3	15.2	15.7	16.2
	8H	2.5	3.0	3.0	3.5	4.0	14.6	15.2	15.1	15.6	16.1
	12H	2.4	2.9	2.9	3.4	3.9	14.6	15.1	15.1	15.6	16.0
8H	4H	2.7	3.3	3.2	3.7	4.2	14.6	15.1	15.1	15.6	16.1
	6H	2.7	3.1	3.2	3.6	4.1	14.5	15.0	15.0	15.5	15.9
	8H	2.6	3.0	3.1	3.5	4.0	14.4	14.9	15.0	15.4	15.9
	12H	2.6	2.9	3.1	3.4	4.0	14.4	14.8	14.9	15.3	15.8
12H	4H	2.7	3.2	3.2	3.7	4.2	14.5	15.0	15.0	15.5	16.0
	6H	2.6	3.1	3.2	3.5	4.1	14.4	14.9	15.0	15.3	15.9
	8H	2.6	3.0	3.1	3.5	4.0	14.4	14.8	14.9	15.3	15.8

Maximum UGR = 16.7

POLAR GRAPH



Maximum Candela = 1315.2 Located At Horizontal Angle = 90, Vertical Angle = 20
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)