

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707-Z2-48-Z-359-B2GB-WH-SO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L072410602 (SOURCE REPORT BASED FOR REFERENCE)
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUE DATE] 8/26/2024
[MANUFAC] Vode Lighting LLC
[LUMCAT] 707-Z2-48-Z-359-B2GB-WH-SO
[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, Zipper Board, 60° Graphite 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	975
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	37
Total Luminaire Watts	26.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.82
Spacing Criterion (90-270)	0.90
Spacing Criterion (Diagonal)	0.88
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.13 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2555	3243	4766
55	757	1121	3695
65	411	493	2096
75	336	336	738
85	0	199	199

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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	963.48	963.48	963.48	963.48	963.48	963.48	963.48	963.48	963.48
5	928.20	944.16	955.08	970.20	976.08	981.12	956.76	926.52	934.08
10	849.24	894.60	955.08	1020.60	1059.24	1034.88	949.20	864.36	850.92
15	751.80	822.36	936.60	1042.44	1085.28	1002.12	931.56	790.44	751.80
20	653.52	749.28	834.12	887.88	862.68	785.40	835.80	709.80	647.64
25	541.80	651.00	651.00	628.32	550.20	536.76	640.08	607.32	536.76
30	422.52	535.08	450.24	402.36	353.64	335.16	451.92	479.64	424.20
35	308.28	394.80	295.68	263.76	255.36	227.64	296.52	337.68	309.96
40	193.20	247.80	183.96	185.64	198.24	164.64	184.80	205.80	198.24
45	87.36	133.56	110.88	140.28	162.96	124.32	113.40	97.44	91.56
50	31.08	48.72	63.00	106.68	135.24	93.24	65.52	32.76	31.08
55	21.00	21.84	31.08	76.44	102.48	66.36	32.76	19.32	21.00
60	14.28	14.28	15.96	48.72	72.24	40.32	16.80	11.76	14.28
65	8.40	10.08	10.08	27.72	42.84	21.00	10.92	8.40	8.40
70	5.88	5.88	5.88	13.44	20.16	10.92	6.72	5.88	5.88
75	4.20	3.36	4.20	6.72	9.24	6.72	3.36	3.36	2.52
80	1.68	1.68	2.52	3.36	4.20	2.52	2.52	1.68	2.52
85	0.00	0.00	0.84	1.68	0.84	0.84	0.84	0.00	0.00
90	0.00	0.00	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	343.28	N.A.	35.20
0-30	619.33	N.A.	63.50
0-40	808.63	N.A.	83.00
0-60	949.76	N.A.	97.40
0-80	973.69	N.A.	99.90
0-90	974.74	N.A.	100.00
10-90	883.52	N.A.	90.60
20-40	465.35	N.A.	47.70
20-50	563.23	N.A.	57.80
40-70	159.27	N.A.	16.30
60-80	23.94	N.A.	2.50
70-80	5.80	N.A.	0.60
80-90	1.04	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	974.74	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	91.21
10-20	252.06
20-30	276.05
30-40	189.30
40-50	97.88
50-60	43.25
60-70	18.14
70-80	5.80
80-90	1.04
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92	0
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	90	88	86	85	0
3	101	94	88	84	99	92	87	83	90	85	82	87	83	81	85	82	79	78	0
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71	0
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66	0
6	85	75	69	64	83	74	68	64	73	68	64	71	67	63	70	66	63	61	0
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	0
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53	0
9	72	62	56	52	71	62	56	52	61	55	51	60	55	51	59	54	51	50	0
10	69	59	52	48	68	58	52	48	57	52	48	57	52	48	56	51	48	47	0

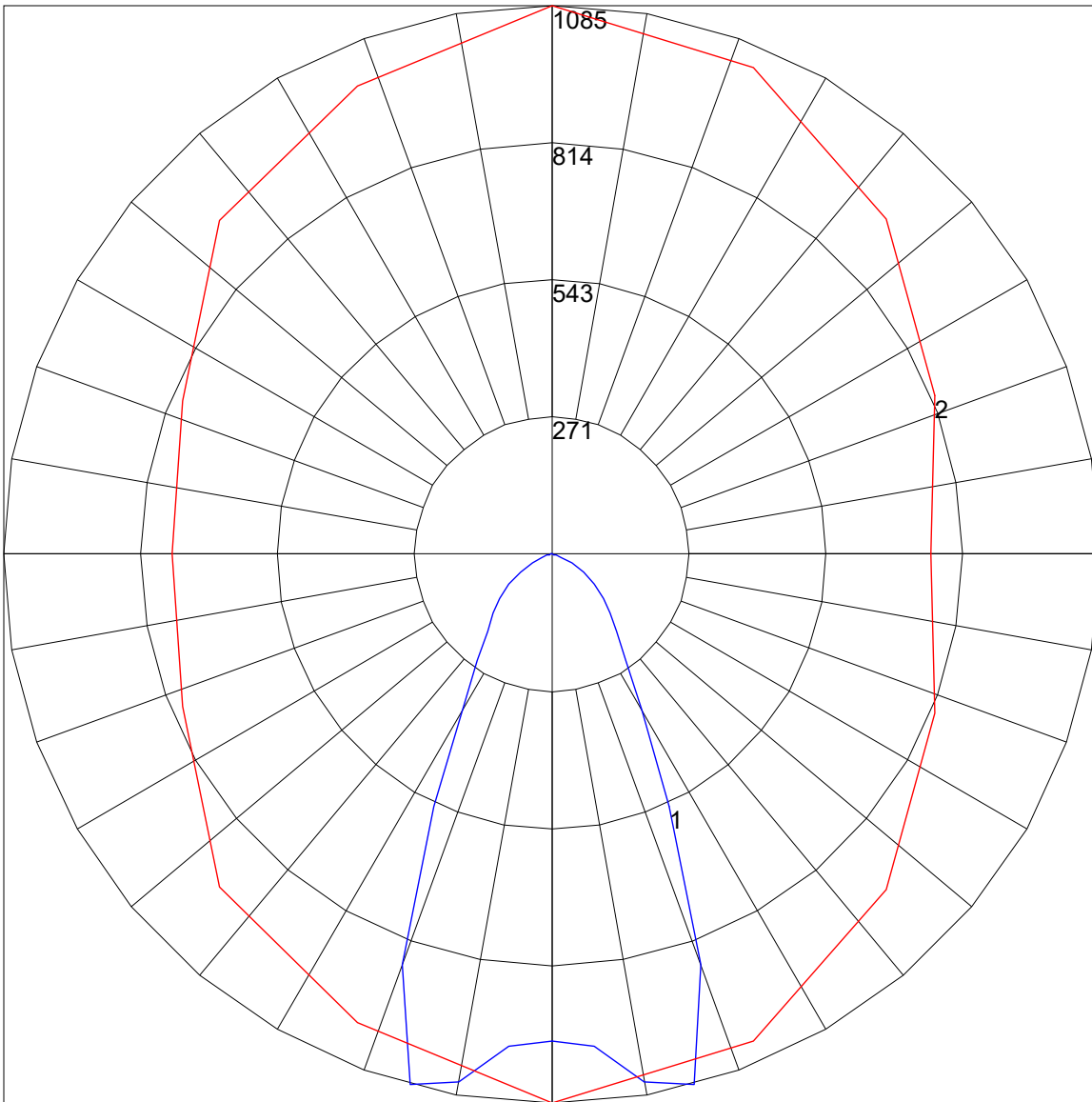
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UGR TABLE - CORRECTED

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	3.9	5.0	4.2	5.3	5.6	12.6	13.7	13.0	14.0	14.4
	3H	4.6	5.6	4.9	5.9	6.2	13.1	14.1	13.5	14.4	14.8
	4H	4.8	5.7	5.2	6.1	6.5	13.2	14.1	13.6	14.5	14.8
	6H	4.9	5.7	5.3	6.1	6.5	13.2	14.0	13.6	14.4	14.8
	8H	4.9	5.7	5.3	6.1	6.5	13.2	13.9	13.6	14.3	14.7
	12H	4.8	5.6	5.3	6.0	6.4	13.1	13.9	13.6	14.2	14.7
4H	2H	4.1	5.0	4.5	5.4	5.8	12.4	13.3	12.8	13.7	14.0
	3H	5.0	5.7	5.4	6.1	6.5	13.0	13.7	13.4	14.1	14.5
	4H	5.2	5.9	5.7	6.3	6.8	13.1	13.7	13.5	14.1	14.6
	6H	5.4	6.0	5.9	6.4	6.9	13.1	13.6	13.5	14.1	14.6
	8H	5.4	5.9	5.8	6.3	6.8	13.0	13.6	13.5	14.0	14.5
	12H	5.3	5.8	5.8	6.3	6.7	13.0	13.5	13.5	13.9	14.4
8H	4H	5.4	5.9	5.9	6.4	6.9	12.9	13.4	13.4	13.9	14.4
	6H	5.6	6.0	6.1	6.5	7.0	12.9	13.4	13.4	13.9	14.3
	8H	5.6	6.0	6.1	6.5	7.0	12.9	13.3	13.5	13.8	14.3
	12H	5.6	5.9	6.1	6.4	7.0	12.9	13.2	13.4	13.7	14.3
12H	4H	5.4	5.9	5.9	6.4	6.8	12.9	13.3	13.3	13.8	14.3
	6H	5.6	6.0	6.2	6.5	7.0	12.9	13.3	13.4	13.7	14.3
	8H	5.7	6.0	6.2	6.5	7.1	12.9	13.2	13.4	13.7	14.3

Maximum UGR = 14.8

POLAR GRAPH



Maximum Candela = 1085.28 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.)