

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L072413214 (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-35-B4GB-BL-HO
 [LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, Zipper Board, Bisymmetric, 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	907
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	35
Total Luminaire Watts	26.12
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.86
Spacing Criterion (90-270)	0.92
Spacing Criterion (Diagonal)	0.92
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	2436	1268	1053
55	586	335	564
65	229	95	156
75	143	43	34
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	777	777	777	777	777	777	777	777	777
5	753	780	842	853	914	930	827	772	749
10	694	782	978	1100	1207	1173	957	777	697
15	624	780	1074	1259	1306	1217	1050	771	625
20	547	765	1016	1060	921	878	1006	742	547
25	464	709	754	604	470	475	744	671	459
30	374	604	450	314	258	251	452	540	371
35	280	446	246	179	154	147	247	381	282
40	183	278	137	107	99	91	136	225	179
45	86	138	75	72	72	60	75	94	82
50	27	45	41	50	57	44	41	28	27
55	17	18	19	35	38	27	19	14	15
60	12	11	9	18	18	14	10	8	10
65	5	7	5	10	10	7	5	5	5
70	3	3	3	4	4	3	2	3	3
75	2	2	2	2	2	2	1	1	2
80	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	354.86	N.A.	39.10
0-30	638.48	N.A.	70.40
0-40	806.00	N.A.	88.90
0-60	898.20	N.A.	99.00
0-80	907.10	N.A.	100.00
0-90	907.10	N.A.	100.00
10-90	823.73	N.A.	90.80
20-40	451.14	N.A.	49.70
20-50	521.00	N.A.	57.40
40-70	99.35	N.A.	11.00
60-80	8.89	N.A.	1.00
70-80	1.74	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	907.10	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	83.37
10-20	271.49
20-30	283.62
30-40	167.52
40-50	69.86
50-60	22.34
60-70	7.15
70-80	1.74
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
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74
5	92	83	77	73	90	82	77	72	80	76	72	79	75	71	77	74	71	69
6	87	78	72	67	86	77	71	67	76	71	67	74	70	66	73	69	66	64
7	83	73	67	63	81	73	67	63	71	66	62	70	65	62	69	65	62	60
8	79	69	63	59	77	68	63	58	67	62	58	66	61	58	65	61	58	56
9	75	65	59	55	74	64	59	55	64	58	55	63	58	54	62	57	54	53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50

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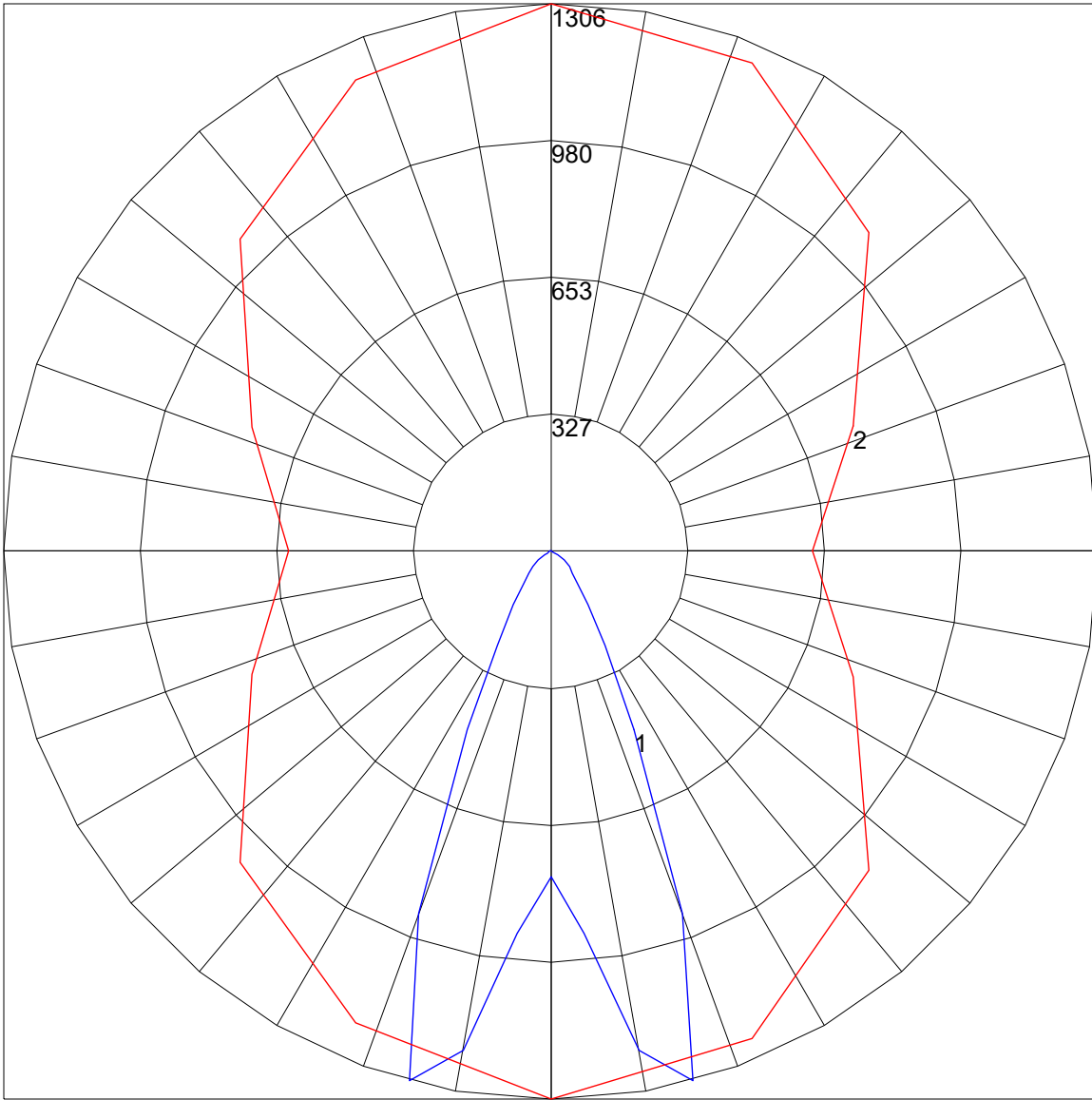
UGR TABLE - CORRECTED

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	0.0	0.5	0.0	0.8	1.1	4.7	5.8	5.1	6.1	6.4
	3H	0.0	0.5	0.0	0.9	1.2	4.9	5.8	5.3	6.1	6.5
	4H	0.0	0.5	0.0	0.8	1.2	4.8	5.7	5.2	6.0	6.4
	6H	0.0	0.3	0.0	0.7	1.1	4.7	5.5	5.2	5.9	6.3
	8H	0.0	0.2	0.0	0.6	1.0	4.7	5.4	5.1	5.8	6.2
	12H	0.0	0.1	0.0	0.5	0.9	4.6	5.3	5.1	5.7	6.1
4H	2H	0.0	0.2	0.0	0.6	1.0	4.5	5.3	4.9	5.7	6.1
	3H	0.0	0.3	0.0	0.7	1.1	4.7	5.3	5.1	5.7	6.1
	4H	0.0	0.2	0.1	0.6	1.1	4.6	5.2	5.0	5.6	6.1
	6H	0.0	0.0	0.0	0.5	1.0	4.5	5.0	5.0	5.5	5.9
	8H	0.0	0.0	0.0	0.4	0.9	4.4	4.9	4.9	5.4	5.8
	12H	0.0	0.0	0.0	0.3	0.8	4.4	4.8	4.9	5.3	5.8
8H	4H	0.0	0.0	0.0	0.4	0.9	4.4	4.9	4.9	5.4	5.8
	6H	0.0	0.0	0.0	0.3	0.8	4.3	4.7	4.8	5.2	5.7
	8H	0.0	0.0	0.0	0.2	0.7	4.2	4.6	4.8	5.1	5.6
	12H	0.0	0.0	0.0	0.1	0.7	4.2	4.5	4.7	5.0	5.6
12H	4H	0.0	0.0	0.0	0.4	0.8	4.4	4.8	4.9	5.3	5.7
	6H	0.0	0.0	0.0	0.2	0.7	4.3	4.6	4.8	5.1	5.6
	8H	0.0	0.0	0.0	0.1	0.7	4.2	4.5	4.7	5.0	5.6

Maximum UGR = 6.5

POLAR GRAPH



Maximum Candela = 1306 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.)