

IES INDOOR REPORT
PHOTOMETRIC FILENAME : REV502-AB.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TESTLAB] GLLLED
[ISSUE DATE] November 26, 2025
[TEST DATE] November 26, 2025
[TEST] 1
[MANUFAC] GARDEN LIGHT LED
[LUMINAIRE] REV502-AB
[LAMP] JR55
[LAMPCAT] DIRECTIONAL LIGHT

CHARACTERISTICS

Lumens Per Lamp	689.997 (1 lamp)
Total Lamp Lumens	689.997
Luminaire Lumens	665
Total Luminaire Efficiency	96 %
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.30
Spacing Criterion (90-270)	0.30
Spacing Criterion (Diagonal)	0.32
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.20 ft (Diameter)
Luminous Width (90-270)	0.20 ft (Diameter)
Luminous Height	0.51 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3	10	3029
55	0	4	284
65	0	0	15
75	0	0	10
85	0	0	4

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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	4537.25	4537.25	4537.25	4537.25	4537.25	4537.25	4537.25	4537.25	4537.25
5	3554.69	3538.51	3491.97	3483.23	3485.32	3483.42	3451.05	3418.70	3433.26
10	1808.50	1810.04	1801.42	1785.78	1791.72	1791.36	1743.16	1703.94	1697.55
15	772.05	760.30	760.00	749.38	757.15	759.02	748.30	739.08	734.69
20	317.16	320.37	319.24	327.04	323.47	325.55	322.18	323.90	326.67
25	152.72	151.79	152.89	158.15	156.76	157.80	159.03	160.70	161.41
30	76.55	81.58	88.31	90.15	89.82	91.33	91.78	93.50	94.04
35	15.03	21.83	41.12	57.99	60.88	59.17	62.08	62.35	63.18
40	0.02	0.42	7.35	29.51	43.72	42.83	44.11	44.72	44.65
45	0.03	0.03	0.09	6.77	26.27	31.80	31.31	31.65	32.39
50	0.02	0.02	0.05	0.32	11.01	23.95	23.95	23.78	22.62
55	0.00	0.01	0.04	0.09	2.65	16.21	18.85	18.17	18.49
60	0.00	0.00	0.02	0.09	0.22	7.58	15.09	14.02	13.95
65	0.00	0.00	0.00	0.06	0.15	1.80	10.01	11.07	11.11
70	0.00	0.00	0.00	0.03	0.13	0.29	5.05	8.42	9.25
75	0.00	0.00	0.00	0.01	0.10	0.23	1.00	5.78	6.95
80	0.00	0.00	0.00	0.00	0.08	0.19	0.29	1.24	2.16
85	0.00	0.00	0.00	0.00	0.04	0.15	0.25	0.34	0.35
90	0.00	0.00	0.00	0.00	0.02	0.14	0.24	0.31	0.33

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	522.32	75.70	78.50
0-30	603.73	87.50	90.80
0-40	637.61	92.40	95.90
0-60	659.91	95.60	99.20
0-80	665.01	96.40	100.00
0-90	665.21	96.40	100.00
10-90	381.43	55.30	57.30
20-40	115.30	16.70	17.30
20-50	130.10	18.90	19.60
40-70	26.00	3.80	3.90
60-80	5.10	0.70	0.80
70-80	1.40	0.20	0.20
80-90	0.19	0.00	0.00
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	665.21	96.40	100.00

Total Luminaire Efficiency = 96.40%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	283.78
10-20	238.53
20-30	81.41
30-40	33.89
40-50	14.80
50-60	7.50
60-70	3.70
70-80	1.40
80-90	0.19
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	115	115	115	115	112	112	112	112	107	107	107	103	103	103	98	98	98	96
1	111	109	107	105	109	107	105	104	103	102	100	99	98	97	96	95	95	93
2	107	104	101	98	105	102	99	97	99	97	95	96	95	93	94	92	91	90
3	104	99	96	93	102	98	95	92	95	93	91	93	91	89	91	89	88	87
4	100	95	91	89	99	94	91	88	92	89	87	91	88	86	89	87	85	84
5	98	92	88	85	96	91	87	85	89	86	84	88	85	83	87	84	83	81
6	95	89	85	82	94	88	84	82	87	84	81	86	83	81	85	82	80	79
7	92	86	82	79	91	86	82	79	84	81	79	83	81	78	83	80	78	77
8	90	84	80	77	89	83	79	77	82	79	77	81	78	76	81	78	76	75
9	88	81	77	75	87	81	77	75	80	77	75	79	76	74	79	76	74	73
10	86	79	75	73	85	79	75	73	78	75	73	78	75	73	77	74	72	72

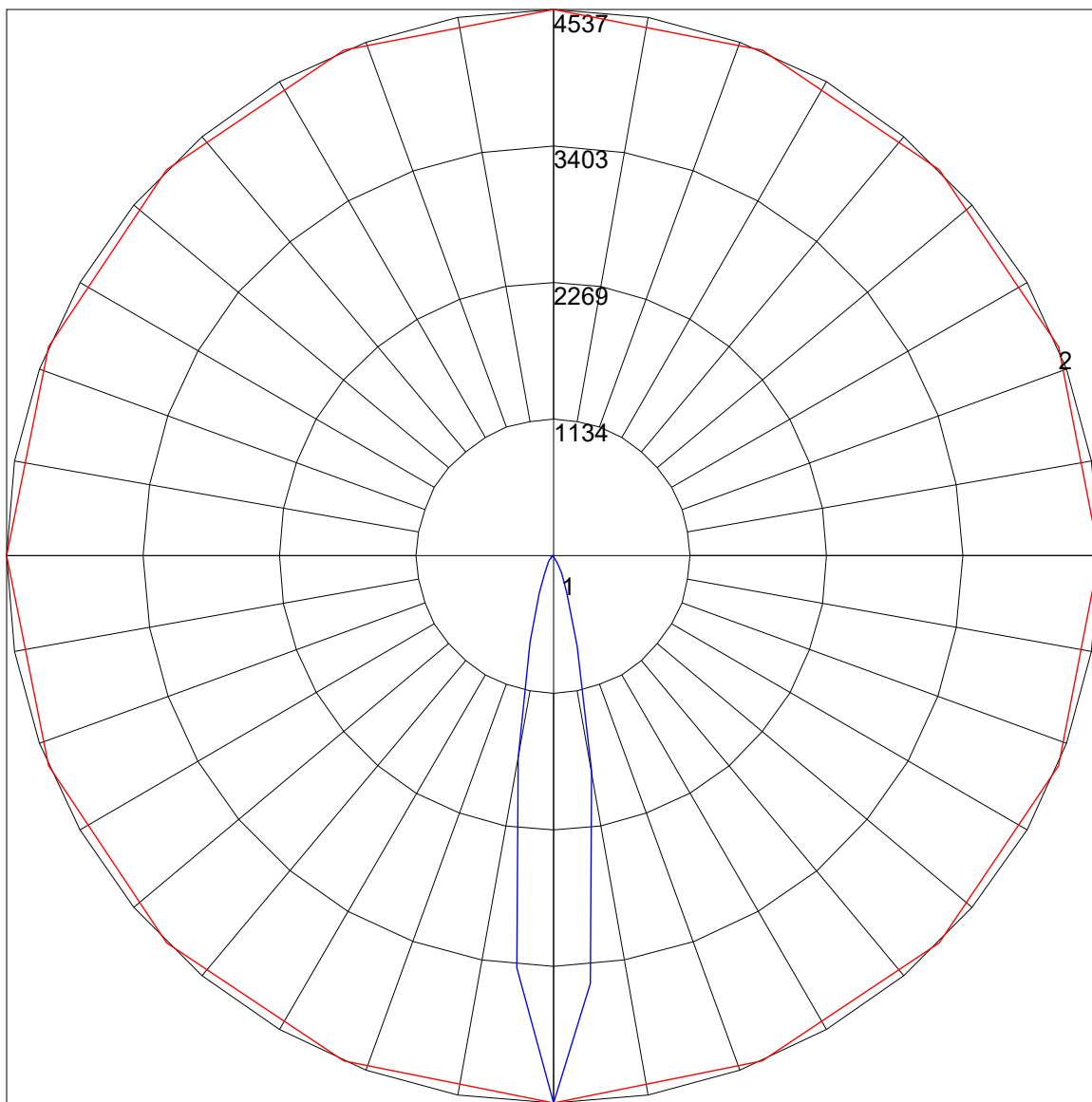
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UGR TABLE - CORRECTED

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	0.0	0.0	0.0	0.0	1.5	2.5	1.9	2.8	3.1
	3H	0.0	0.0	0.0	0.0	0.0	1.3	2.1	1.7	2.5	2.9
	4H	0.0	0.0	0.0	0.0	0.0	1.2	2.0	1.7	2.3	2.7
	6H	0.0	0.0	0.0	0.0	0.0	1.1	1.8	1.5	2.2	2.6
	8H	0.0	0.0	0.0	0.0	0.0	1.0	1.7	1.5	2.1	2.5
	12H	0.0	0.0	0.0	0.0	0.0	1.0	1.6	1.4	2.0	2.4
4H	2H	0.0	0.0	0.0	0.0	0.0	2.3	3.1	2.7	3.4	3.8
	3H	0.0	0.0	0.0	0.0	0.0	2.2	2.8	2.6	3.2	3.6
	4H	0.0	0.0	0.0	0.0	0.0	2.0	2.6	2.5	3.0	3.4
	6H	0.0	0.0	0.0	0.0	0.0	1.9	2.4	2.4	2.8	3.3
	8H	0.0	0.0	0.0	0.0	0.0	1.8	2.3	2.3	2.7	3.2
	12H	0.0	0.0	0.0	0.0	0.0	1.8	2.1	2.3	2.6	3.1
8H	4H	0.0	0.0	0.0	0.0	0.0	2.0	2.5	2.5	2.9	3.4
	6H	0.0	0.0	0.0	0.0	0.0	1.9	2.2	2.4	2.7	3.2
	8H	0.0	0.0	0.0	0.0	0.0	1.8	2.1	2.4	2.7	3.2
	12H	0.0	0.0	0.0	0.0	0.0	1.8	2.0	2.3	2.5	3.1
12H	4H	0.0	0.0	0.0	0.0	0.0	2.0	2.3	2.5	2.8	3.3
	6H	0.0	0.0	0.0	0.0	0.0	1.9	2.1	2.4	2.6	3.2
	8H	0.0	0.0	0.0	0.0	0.0	1.8	2.0	2.3	2.5	3.1

Maximum UGR = 3.8

POLAR GRAPH



Maximum Candela = 4537.25 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.)