

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : REV504-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] REV504-AB  
[LAMP] JR55  
[LAMPCAT] DIRECTIONAL LIGHT

**CHARACTERISTICS**

Lumens Per Lamp	689.997 (1 lamp)
Total Lamp Lumens	689.997
Luminaire Lumens	635
Total Luminaire Efficiency	92 %
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.58
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	2	12	4557
55	0	4	359
65	0	1	18
75	0	0	14
85	0	0	5

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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>
<b>0</b>	1522.75	1522.75	1522.75	1522.75	1522.75	1522.75	1522.75	1522.75	1522.75
<b>5</b>	1436.76	1425.05	1442.46	1405.32	1430.29	1401.07	1407.16	1407.60	1364.47
<b>10</b>	1199.34	1213.28	1201.76	1219.18	1192.93	1166.82	1178.22	1131.56	1122.02
<b>15</b>	906.70	897.91	919.43	934.44	892.08	858.50	867.81	825.79	809.17
<b>20</b>	587.89	618.38	607.84	610.94	589.69	576.57	570.63	555.71	568.30
<b>25</b>	365.61	360.22	361.51	358.13	344.52	336.78	329.08	319.34	323.09
<b>30</b>	166.26	179.42	192.20	197.60	184.75	182.72	180.55	170.77	170.02
<b>35</b>	26.86	41.01	78.78	108.58	108.45	105.05	103.33	100.31	98.97
<b>40</b>	0.02	0.64	11.81	49.12	67.39	68.16	64.37	64.02	63.60
<b>45</b>	0.02	0.03	0.10	10.09	39.52	45.32	44.76	43.02	41.53
<b>50</b>	0.01	0.02	0.05	0.54	16.63	32.34	31.61	31.31	30.68
<b>55</b>	0.00	0.01	0.04	0.10	3.35	19.52	22.79	22.61	21.33
<b>60</b>	0.00	0.00	0.02	0.08	0.27	8.26	16.45	16.74	16.20
<b>65</b>	0.00	0.00	0.01	0.08	0.18	2.05	11.25	13.27	12.48
<b>70</b>	0.00	0.00	0.00	0.03	0.16	0.33	5.39	10.78	9.75
<b>75</b>	0.00	0.00	0.00	0.01	0.14	0.28	1.19	6.36	6.90
<b>80</b>	0.00	0.00	0.00	0.00	0.09	0.25	0.39	1.19	1.73
<b>85</b>	0.00	0.00	0.00	0.00	0.05	0.21	0.35	0.48	0.50
<b>90</b>	0.00	0.00	0.00	0.00	0.03	0.18	0.35	0.41	0.49

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	371.71	53.90	58.50
0-30	536.13	77.70	84.40
0-40	598.20	86.70	94.20
0-60	628.91	91.10	99.10
0-80	634.71	92.00	100.00
0-90	634.94	92.00	100.00
10-90	506.88	73.50	79.80
20-40	226.49	32.80	35.70
20-50	247.85	35.90	39.00
40-70	34.96	5.10	5.50
60-80	5.81	0.80	0.90
70-80	1.55	0.20	0.20
80-90	0.23	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	634.94	92.00	100.00

Total Luminaire Efficiency = 92.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	128.06
10-20	243.65
20-30	164.42
30-40	62.07
40-50	21.35
50-60	9.35
60-70	4.25
70-80	1.55
80-90	0.23
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	110	110	110	110	107	107	107	107	102	102	102	98	98	98	94	94	94	92
1	105	103	101	99	103	101	99	97	97	96	94	94	92	91	91	90	89	87
2	101	97	93	90	99	95	92	89	92	90	88	89	87	86	87	85	84	82
3	96	91	87	84	95	90	86	83	88	84	82	85	83	81	83	81	79	78
4	92	86	82	78	91	85	81	78	83	80	77	82	79	76	80	77	75	74
5	89	82	77	74	87	81	77	73	80	76	73	78	75	72	77	74	72	70
6	85	78	73	70	84	77	73	70	76	72	69	75	71	69	74	71	68	67
7	82	74	70	66	81	74	69	66	73	69	66	72	68	65	71	68	65	64
8	79	71	66	63	78	71	66	63	70	66	63	69	65	62	68	65	62	61
9	76	68	63	60	75	68	63	60	67	63	60	66	62	60	65	62	60	59
10	73	65	61	58	72	65	61	58	64	60	58	64	60	57	63	60	57	56

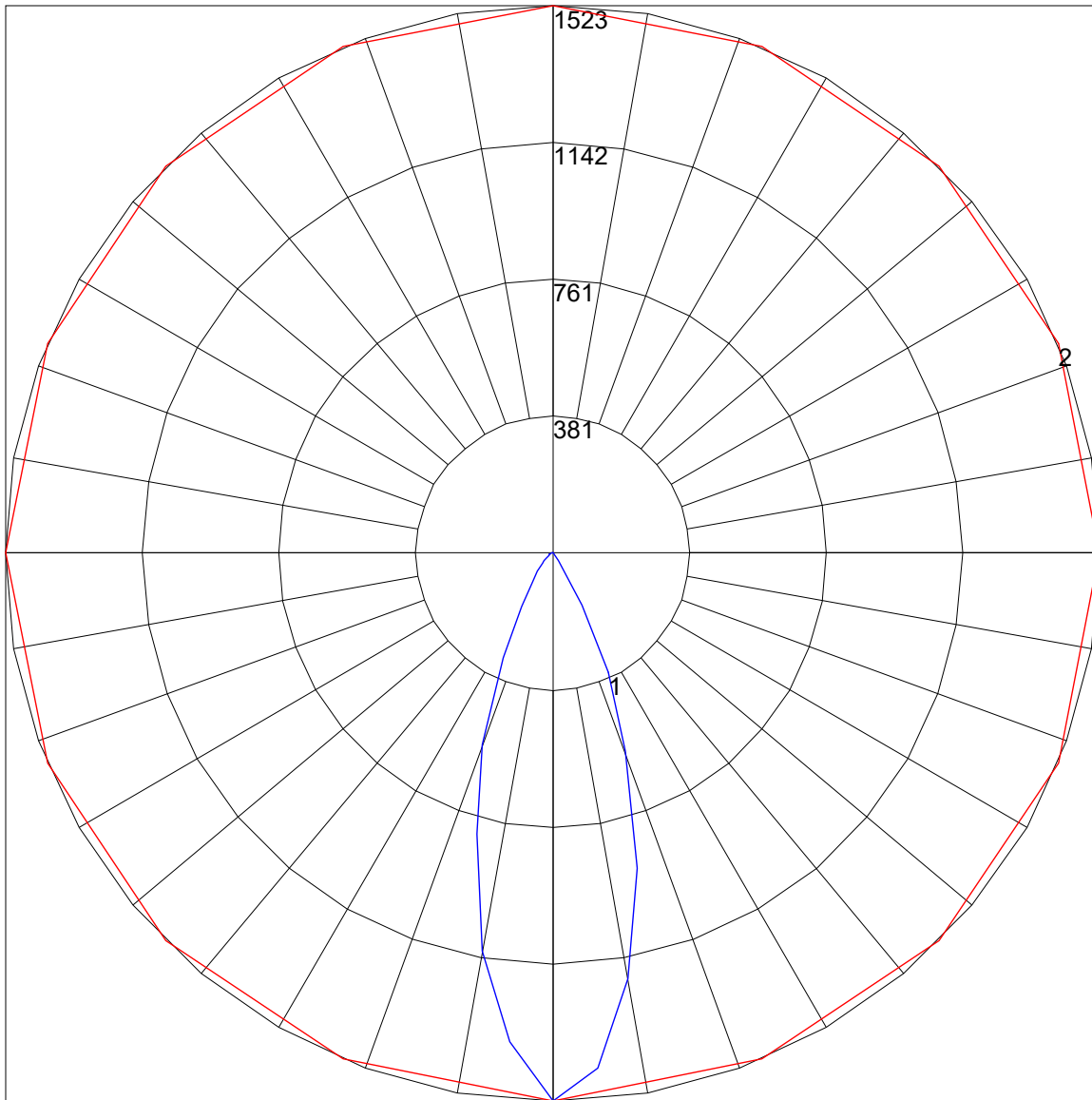
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**UGR TABLE - CORRECTED**

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	2.7	3.7	3.1	4.0	4.3
	3H	0.0	0.0	0.0	0.0	0.0	2.5	3.4	2.9	3.7	4.1
	4H	0.0	0.0	0.0	0.0	0.0	2.4	3.2	2.8	3.5	3.9
	6H	0.0	0.0	0.0	0.0	0.0	2.3	3.0	2.7	3.4	3.8
	8H	0.0	0.0	0.0	0.0	0.0	2.3	2.9	2.7	3.3	3.7
	12H	0.0	0.0	0.0	0.0	0.0	2.2	2.8	2.6	3.2	3.6
4H	2H	0.0	0.0	0.0	0.0	0.0	3.4	4.2	3.8	4.6	4.9
	3H	0.0	0.0	0.0	0.0	0.0	3.3	3.9	3.7	4.3	4.7
	4H	0.0	0.0	0.0	0.0	0.0	3.1	3.7	3.6	4.1	4.6
	6H	0.0	0.0	0.0	0.0	0.0	3.0	3.5	3.5	4.0	4.4
	8H	0.0	0.0	0.0	0.0	0.0	3.0	3.4	3.4	3.9	4.3
	12H	0.0	0.0	0.0	0.0	0.0	2.9	3.3	3.4	3.8	4.2
8H	4H	0.0	0.0	0.0	0.0	0.0	3.2	3.6	3.6	4.1	4.5
	6H	0.0	0.0	0.0	0.0	0.0	3.0	3.4	3.6	3.9	4.4
	8H	0.0	0.0	0.0	0.0	0.0	2.9	3.3	3.5	3.8	4.3
	12H	0.0	0.0	0.0	0.0	0.0	2.9	3.2	3.4	3.7	4.3
12H	4H	0.0	0.0	0.0	0.0	0.0	3.1	3.5	3.6	4.0	4.5
	6H	0.0	0.0	0.0	0.0	0.0	3.0	3.3	3.5	3.8	4.3
	8H	0.0	0.0	0.0	0.0	0.0	2.9	3.2	3.5	3.7	4.3

Maximum UGR = 4.9

POLAR GRAPH



Maximum Candela = 1522.75 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.)