

IES INDOOR REPORT
PHOTOMETRIC FILENAME : S2501.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] Viso - serial: n/a sensor serial: n/a
[TESTLAB] GLLED
[MANUFAC] GARDEN LIGHT LED
[ISSUEDATE] 4/8/2026
[LUMINAIRE] S2751-30K
[LUMCAT] N/A

CHARACTERISTICS

Lumens Per Lamp	652 (1 lamp)
Total Lamp Lumens	652
Luminaire Lumens	587
Total Luminaire Efficiency	90 %
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	8.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	0.36
Spacing Criterion (Diagonal)	0.40
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.08 m (Diameter)
Luminous Width (90-270)	0.08 m (Diameter)
Luminous Height	0.00 m



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1177	1301	1793
55	352	339	440
65	239	252	243
75	231	238	260
85	21	21	21

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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	2987.65	2987.65	2987.65	2987.65	2987.65	2987.65	2987.65	2987.65	2987.65
5	2465.09	2442.12	2449.07	2449.93	2463.55	2466.12	2481.10	2462.66	2481.68
10	1573.96	1581.91	1581.26	1595.10	1592.92	1598.90	1610.57	1605.68	1607.30
15	823.03	830.28	831.97	841.34	855.24	859.20	866.85	871.17	872.98
20	377.40	378.47	384.29	396.73	404.17	414.19	417.49	415.44	415.69
25	161.55	162.84	169.58	175.55	184.43	188.93	192.51	196.23	193.95
30	69.56	71.05	73.58	77.47	82.64	87.28	90.17	91.42	92.65
35	28.60	30.16	31.41	32.72	35.71	39.88	42.24	43.38	42.74
40	11.25	11.77	12.53	14.08	15.50	17.52	19.41	19.96	19.72
45	4.45	4.86	4.92	5.62	6.78	7.60	8.66	9.28	9.10
50	1.99	2.05	2.19	2.46	2.87	3.16	3.62	4.01	4.22
55	1.08	1.07	1.04	1.12	1.35	1.60	1.49	1.64	1.63
60	0.56	0.71	0.65	0.68	0.74	0.84	0.88	0.92	0.97
65	0.54	0.56	0.57	0.51	0.55	0.51	0.56	0.52	0.60
70	0.60	0.48	0.43	0.46	0.42	0.49	0.43	0.43	0.35
75	0.32	0.32	0.33	0.32	0.36	0.32	0.34	0.38	0.39
80	0.18	0.18	0.13	0.13	0.13	0.15	0.13	0.14	0.16
85	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
90	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	458.40	70.30	78.00
0-30	552.69	84.80	94.10
0-40	578.80	88.80	98.50
0-60	586.37	89.90	99.80
0-80	587.28	90.10	100.00
0-90	587.32	90.10	100.00
10-90	377.11	57.80	64.20
20-40	120.41	18.50	20.50
20-50	126.56	19.40	21.50
40-70	8.14	1.20	1.40
60-80	0.91	0.10	0.20
70-80	0.34	0.10	0.10
80-90	0.05	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	587.32	90.10	100.00

Total Luminaire Efficiency = 90.10%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	210.22
10-20	248.18
20-30	94.29
30-40	26.12
40-50	6.15
50-60	1.41
60-70	0.57
70-80	0.34
80-90	0.05
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

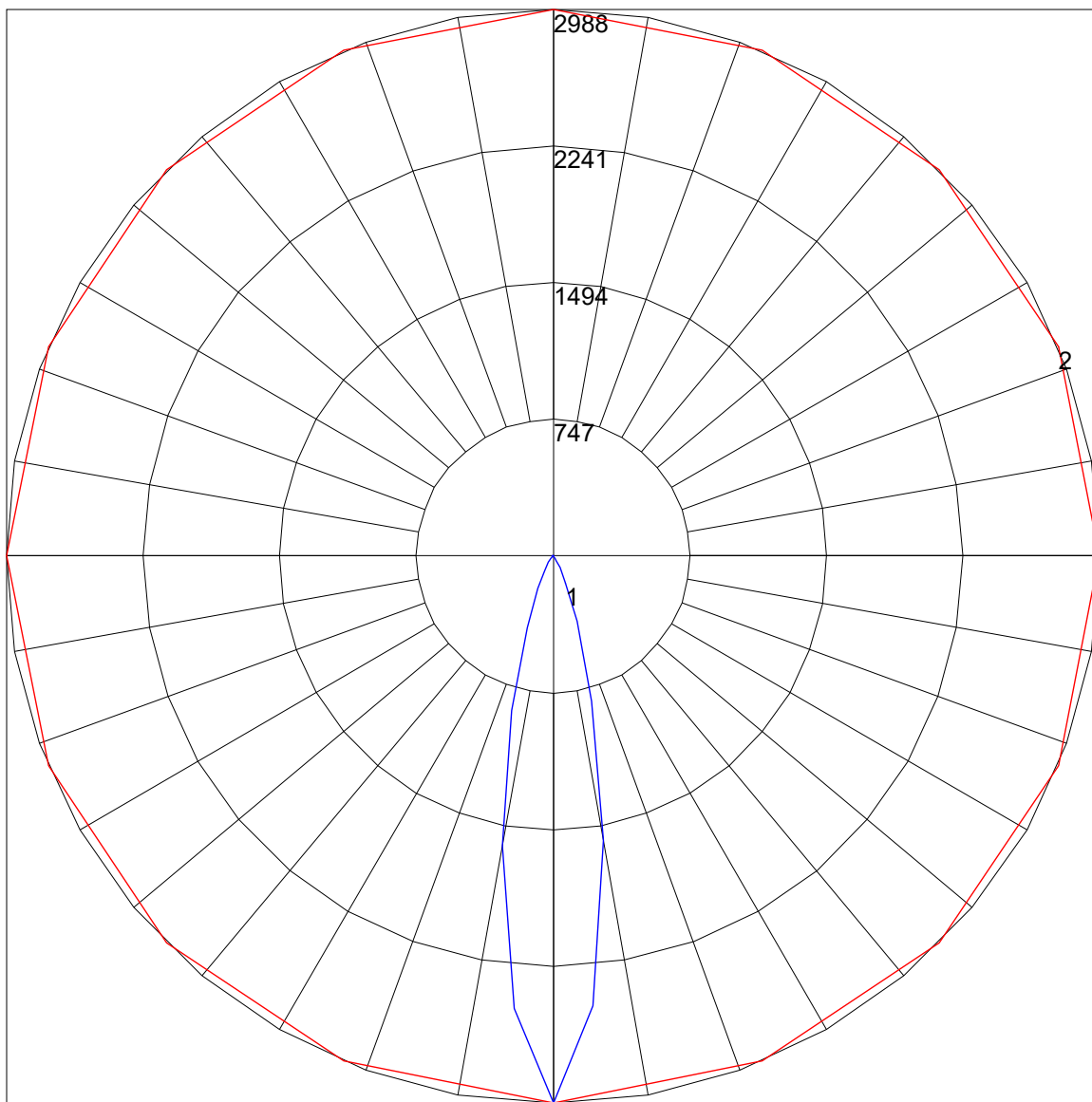
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	107	107	107	105	105	105	105	100	100	100	96	96	96	92	92	92	90
1	104	102	100	98	101	100	98	97	96	95	94	93	92	91	90	89	88	87
2	100	97	94	92	98	95	93	91	93	91	89	90	88	87	88	86	85	84
3	97	93	89	87	95	92	89	86	89	87	85	87	85	84	85	84	82	81
4	94	89	85	83	92	88	85	82	86	84	81	85	82	80	83	81	80	78
5	91	86	82	79	90	85	82	79	84	81	78	82	80	78	81	79	77	76
6	88	83	79	76	87	82	79	76	81	78	76	80	77	75	79	76	75	74
7	86	80	76	74	85	80	76	73	79	75	73	78	75	73	77	74	72	71
8	84	78	74	71	83	77	74	71	76	73	71	76	73	71	75	72	70	69
9	81	75	72	69	81	75	71	69	74	71	69	74	71	69	73	70	68	68
10	79	73	70	67	78	73	69	67	72	69	67	72	69	67	71	68	67	66

POLAR GRAPH



Maximum Candela = 2987.65 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.)