

IES INDOOR REPORT
PHOTOMETRIC FILENAME : S2502.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] S2752-30K
[LUMCAT] N/A

CHARACTERISTICS

Lumens Per Lamp	652 (1 lamp)
Total Lamp Lumens	652
Luminaire Lumens	580
Total Luminaire Efficiency	89 %
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	8.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.50
Spacing Criterion (Diagonal)	0.52
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	2190	2716	4818
55	502	619	1092
65	252	327	354
75	282	275	275
85	86	43	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	1749.44	1749.44	1749.44	1749.44	1749.44	1749.44	1749.44	1749.44	1749.44
5	1466.25	1498.79	1486.52	1506.40	1531.73	1529.32	1545.64	1544.49	1551.01
10	1136.01	1123.71	1151.88	1187.03	1214.17	1230.39	1246.46	1254.42	1243.65
15	726.98	732.92	780.21	834.96	868.89	899.84	916.18	914.44	916.02
20	376.38	386.30	428.63	479.07	531.52	575.21	584.82	590.71	588.05
25	169.56	179.95	205.11	247.45	291.72	330.44	343.32	352.43	352.40
30	81.25	86.80	97.73	122.85	154.33	184.22	198.97	200.59	204.38
35	39.30	42.32	48.67	60.62	80.32	100.84	112.73	115.90	115.10
40	17.77	19.32	22.61	28.78	38.72	50.27	58.73	60.99	61.66
45	8.28	8.59	10.27	13.69	18.22	23.20	27.06	29.11	28.60
50	3.18	3.65	4.34	6.15	7.84	10.08	11.96	12.75	12.77
55	1.54	1.45	1.90	2.43	3.35	4.26	4.64	4.93	5.62
60	0.86	0.95	0.96	1.26	1.41	1.69	1.93	2.01	1.98
65	0.57	0.68	0.74	0.70	0.80	0.83	0.93	0.89	0.88
70	0.54	0.57	0.44	0.51	0.61	0.63	0.51	0.61	0.61
75	0.39	0.31	0.38	0.41	0.38	0.35	0.32	0.42	0.26
80	0.16	0.18	0.20	0.16	0.18	0.11	0.12	0.13	0.07
85	0.04	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01
90	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	369.23	56.60	63.70
0-30	505.21	77.50	87.10
0-40	558.81	85.70	96.40
0-60	578.61	88.70	99.80
0-80	579.87	88.90	100.00
0-90	579.92	88.90	100.00
10-90	443.59	68.00	76.50
20-40	189.58	29.10	32.70
20-50	205.79	31.60	35.50
40-70	20.68	3.20	3.60
60-80	1.26	0.20	0.20
70-80	0.38	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	579.92	88.90	100.00

Total Luminaire Efficiency = 88.90%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	136.33
10-20	232.90
20-30	135.98
30-40	53.60
40-50	16.21
50-60	3.58
60-70	0.88
70-80	0.38
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	106	106	106	106	103	103	103	103	99	99	99	95	95	95	91	91	91	89
1	102	100	98	96	100	98	96	95	94	93	92	91	90	89	88	87	86	85
2	98	94	91	89	96	93	90	88	90	88	86	87	85	84	85	83	82	81
3	94	89	86	83	92	88	85	82	86	83	81	84	81	79	82	80	78	77
4	90	85	81	78	89	84	80	77	82	79	76	80	78	75	79	76	75	73
5	87	81	77	73	86	80	76	73	79	75	72	77	74	72	76	73	71	70
6	84	77	73	70	83	77	72	70	75	72	69	74	71	69	73	70	68	67
7	81	74	70	66	80	73	69	66	72	69	66	71	68	66	70	68	65	64
8	78	71	67	64	77	70	66	63	70	66	63	69	65	63	68	65	63	62
9	75	68	64	61	74	68	64	61	67	63	61	66	63	60	66	63	60	59
10	73	66	61	59	72	65	61	59	65	61	58	64	61	58	63	60	58	57

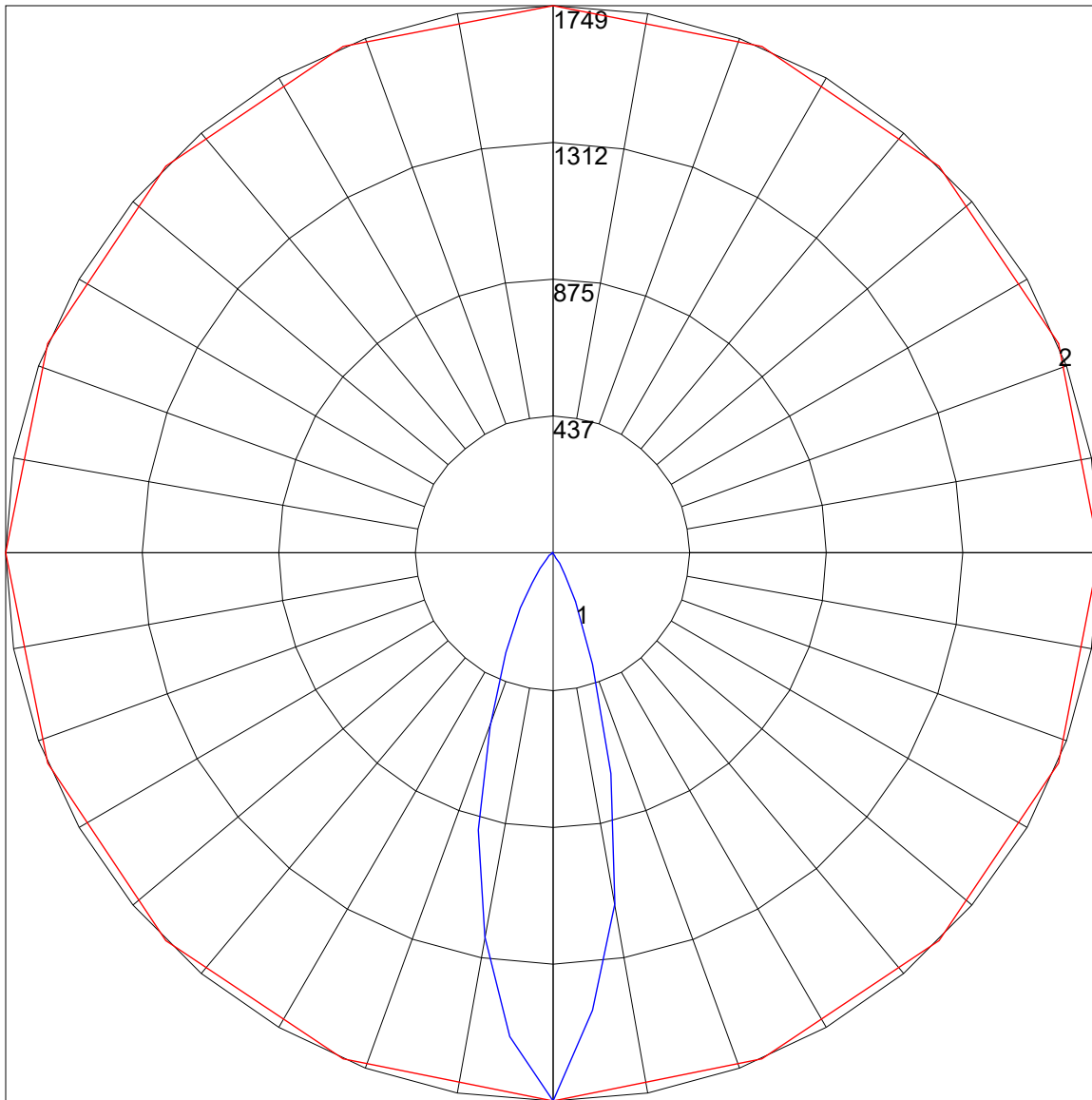
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UGR TABLE - CORRECTED

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	0.0	0.0	0.0	0.0	0.3
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5
	4H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6
	6H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6
	8H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5
	12H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
4H	2H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
	4H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6
	6H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6
	8H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5
	12H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
8H	4H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	6H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	8H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	12H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
12H	4H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
	6H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
	8H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4

Maximum UGR = 0.6

POLAR GRAPH



Maximum Candela = 1749.44 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.)