

IES INDOOR REPORT
PHOTOMETRIC FILENAME : CCS SCN 4 3000K 12W.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TESTLAB] GLLED
[ISSUE DATE] JUNE 26, 2026
[TEST DATE] MAY 27, 2026
[TEST] 1
[MANUFAC] GARDEN LIGHT LED
[LUMINAIRE] CCS SCN 4 3000K 12W
[LAMP] RGBW-COB-70
[LAMPCAT] CASA COLOR

CHARACTERISTICS

Lumens Per Lamp	600 (1 lamp)
Total Lamp Lumens	600
Luminaire Lumens	607
Total Luminaire Efficiency	101 %
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	12
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.66
Spacing Criterion (90-270)	0.66
Spacing Criterion (Diagonal)	0.64
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.06 m (Diameter)
Luminous Width (90-270)	0.06 m (Diameter)
Luminous Height	0.08 m



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3858	3936	3961
55	1258	1246	1258
65	398	411	386
75	51	51	51
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	1239.807	1239.807	1239.807	1239.807	1239.807	1239.807	1239.807	1239.807	1239.807
5	1162.177	1206.869	1189.261	1194.767	1203.731	1183.883	1184.203	1192.142	1175.239
10	1050.704	1046.798	1046.158	1056.146	1042.764	1048.079	1045.261	1053.201	1062.165
15	853.049	860.988	860.860	862.397	859.387	848.951	852.408	854.905	856.122
20	618.961	618.577	622.419	617.681	627.413	620.754	622.227	625.236	622.547
25	363.360	359.583	368.355	363.552	355.869	365.793	356.317	362.080	351.195
30	192.981	193.749	195.158	196.503	193.045	192.085	194.326	194.326	195.158
35	92.649	93.033	91.432	90.408	92.265	91.368	91.048	90.152	89.640
40	37.969	38.417	38.353	37.777	38.353	38.225	38.161	36.944	36.816
45	19.208	19.144	19.593	19.849	19.721	20.041	20.681	19.337	19.080
50	10.181	11.077	11.333	11.397	11.653	11.269	11.461	10.885	11.397
55	6.467	6.147	6.403	6.211	6.467	6.595	6.595	6.659	6.659
60	4.034	3.778	3.650	3.778	3.842	4.098	4.034	3.842	3.842
65	2.049	2.049	2.113	2.113	1.985	2.177	2.113	2.049	2.113
70	0.896	0.960	1.025	0.832	1.025	0.960	0.960	0.896	0.832
75	0.256	0.256	0.256	0.192	0.256	0.256	0.256	0.256	0.256
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	344.12	57.40	56.70
0-30	517.48	86.20	85.30
0-40	581.10	96.80	95.80
0-60	604.25	100.70	99.60
0-80	606.84	101.10	100.00
0-90	606.84	101.10	100.00
10-90	497.67	82.90	82.00
20-40	236.98	39.50	39.10
20-50	253.91	42.30	41.80
40-70	25.37	4.20	4.20
60-80	2.59	0.40	0.40
70-80	0.38	0.10	0.10
80-90	0.00	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	606.84	101.10	100.00

Total Luminaire Efficiency = 101.10%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	109.18
10-20	234.94
20-30	173.37
30-40	63.62
40-50	16.92
50-60	6.23
60-70	2.21
70-80	0.38
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	120	120	120	120	118	118	118	118	112	112	112	108	108	108	103	103	103	101
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	106	103	100	108	105	101	98	101	99	96	98	96	94	96	94	92	91
3	106	100	96	92	104	99	95	92	96	93	90	94	91	89	92	89	87	86
4	102	95	90	86	100	94	89	86	92	88	85	90	86	84	88	85	83	81
5	97	90	85	81	96	89	84	81	87	83	80	86	82	79	84	81	79	77
6	93	86	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74
7	90	82	76	73	88	81	76	72	80	75	72	79	75	72	77	74	71	70
8	86	78	73	69	85	77	72	69	76	72	69	75	71	68	74	71	68	67
9	83	74	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	64
10	80	71	66	63	79	71	66	63	70	66	63	69	65	62	69	65	62	61

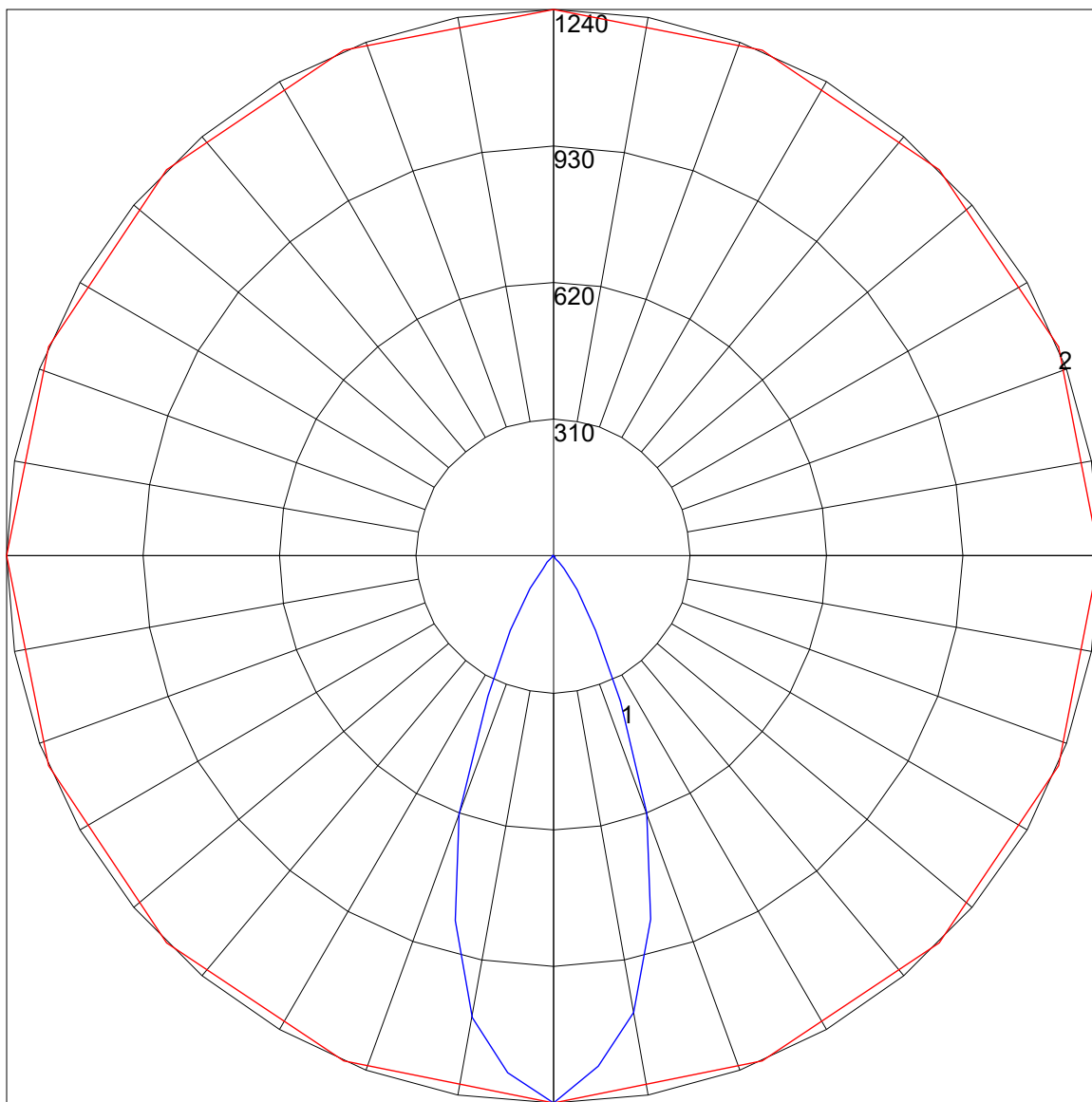
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UGR TABLE - CORRECTED

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

Maximum UGR = 3.4

POLAR GRAPH



Maximum Candela = 1239.807 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.)