

IES INDOOR REPORT
PHOTOMETRIC FILENAME : S3752.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TESTLAB] GLLED
[ISSUE DATE] November 19, 2025
[TEST DATE] November 19, 2025
[TEST] 2
[MANUFAC] GARDEN LIGHT LED
[LUMINAIRE] S3752-BLK-30K
[LAMP] XTE-CREE
[LAMPCAT] SPECIALITY LIGHT

CHARACTERISTICS

Lumens Per Lamp	870.996 (1 lamp)
Total Lamp Lumens	870.996
Luminaire Lumens	785
Total Luminaire Efficiency	90 %
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	14.12
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.44
Spacing Criterion (90-270)	0.50
Spacing Criterion (Diagonal)	0.52
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.27 ft (Diameter)
Luminous Width (90-270)	0.27 ft (Diameter)
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2959	3672	6513
55	677	836	1474
65	340	442	477
75	382	368	368
85	129	64	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	2388.52	2388.52	2388.52	2388.52	2388.52	2388.52	2388.52	2388.52	2388.52
5	1985.41	2029.47	2012.85	2039.78	2074.08	2070.81	2092.91	2091.35	2100.18
10	1538.24	1521.59	1559.73	1607.33	1644.08	1666.03	1687.80	1698.57	1683.99
15	984.38	992.43	1056.46	1130.59	1176.54	1218.45	1240.58	1238.22	1240.36
20	509.65	523.08	580.40	648.69	719.72	778.87	791.89	799.86	796.26
25	229.59	243.66	277.74	335.07	395.01	447.44	464.88	477.22	477.18
30	110.02	117.54	132.33	166.35	208.97	249.45	269.42	271.61	276.74
35	53.21	57.30	65.90	82.09	108.76	136.54	152.64	156.94	155.86
40	24.06	26.16	30.61	38.97	52.43	68.07	79.52	82.58	83.49
45	11.21	11.63	13.91	18.54	24.67	31.41	36.64	39.42	38.73
50	4.31	4.94	5.87	8.33	10.62	13.65	16.19	17.27	17.29
55	2.08	1.96	2.57	3.29	4.53	5.77	6.28	6.68	7.61
60	1.17	1.28	1.30	1.71	1.91	2.29	2.62	2.72	2.68
65	0.77	0.92	1.00	0.95	1.08	1.13	1.26	1.21	1.19
70	0.73	0.77	0.59	0.69	0.83	0.85	0.69	0.83	0.82
75	0.53	0.42	0.51	0.56	0.51	0.48	0.44	0.57	0.35
80	0.22	0.25	0.27	0.22	0.25	0.15	0.16	0.17	0.10
85	0.06	0.04	0.03	0.03	0.01	0.02	0.01	0.01	0.01
90	0.02	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	500.20	57.40	63.70
0-30	684.32	78.60	87.10
0-40	756.90	86.90	96.40
0-60	783.71	90.00	99.80
0-80	785.42	90.20	100.00
0-90	785.49	90.20	100.00
10-90	600.65	69.00	76.50
20-40	256.71	29.50	32.70
20-50	278.66	32.00	35.50
40-70	28.00	3.20	3.60
60-80	1.71	0.20	0.20
70-80	0.51	0.10	0.10
80-90	0.07	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	785.49	90.20	100.00

Total Luminaire Efficiency = 90.20%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	184.83
10-20	315.36
20-30	184.13
30-40	72.58
40-50	21.95
50-60	4.85
60-70	1.20
70-80	0.51
80-90	0.07
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	103	101	99	97	101	99	97	96	96	94	93	92	91	90	89	88	88	86
2	99	95	92	90	97	94	91	89	91	89	87	88	87	85	86	85	83	82
3	95	90	87	84	94	89	86	83	87	84	82	85	82	81	83	81	79	78
4	92	86	82	79	90	85	81	78	83	80	77	81	79	76	80	78	76	74
5	88	82	78	74	87	81	77	74	80	76	73	78	75	73	77	74	72	71
6	85	78	74	71	84	78	73	70	76	73	70	75	72	70	74	71	69	68
7	82	75	71	67	81	74	70	67	73	70	67	72	69	67	71	68	66	65
8	79	72	68	64	78	71	67	64	71	67	64	70	66	64	69	66	64	63
9	76	69	65	62	75	69	65	62	68	64	62	67	64	61	67	63	61	60
10	74	66	62	59	73	66	62	59	65	62	59	65	61	59	64	61	59	58

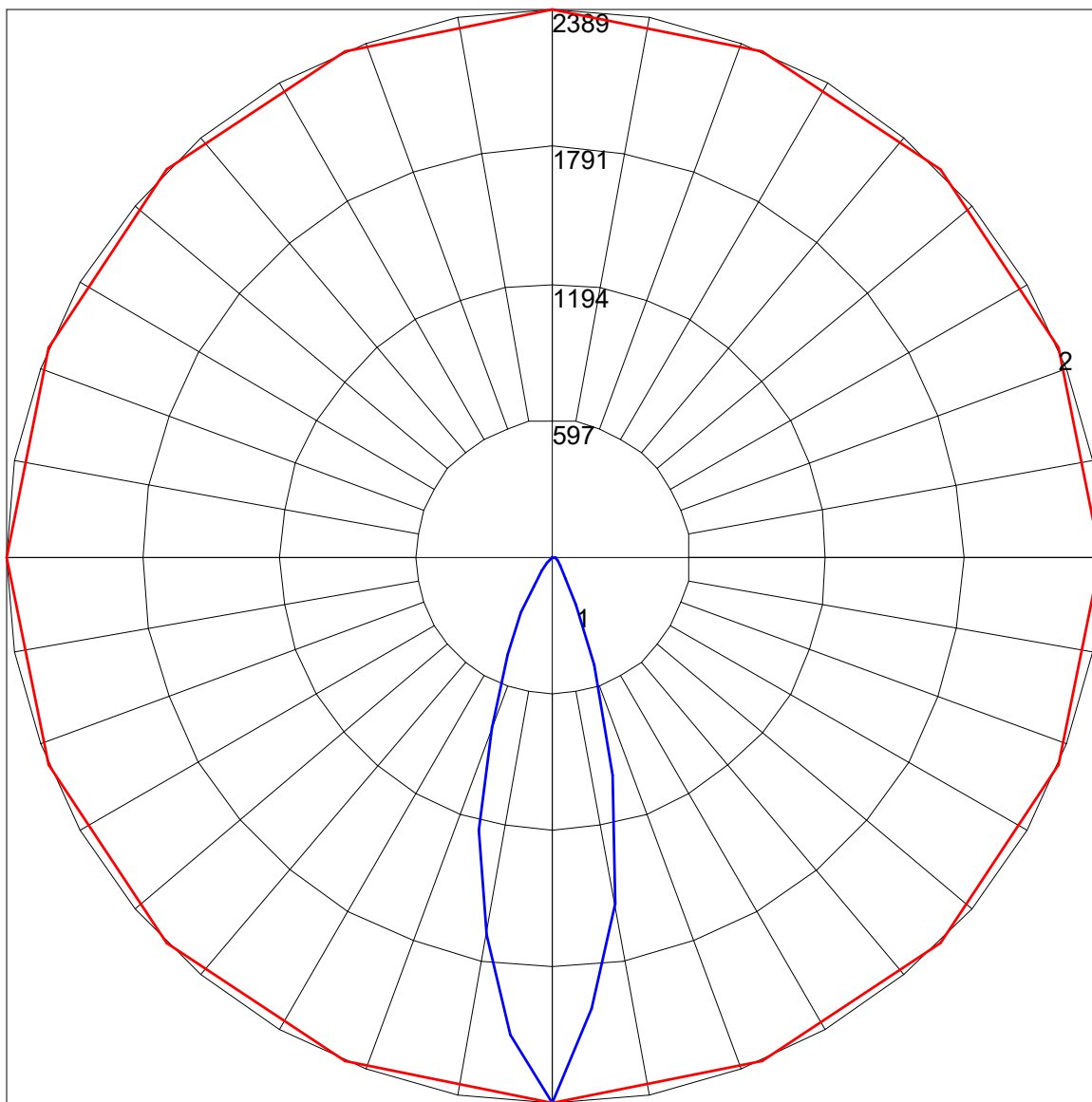
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UGR TABLE - CORRECTED

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	0.7	0.2	1.0	1.4
	3H	0.0	0.0	0.0	0.0	0.0	0.1	0.9	0.4	1.2	1.6
	4H	0.0	0.0	0.0	0.0	0.0	0.1	0.9	0.5	1.3	1.6
	6H	0.0	0.0	0.0	0.0	0.0	0.2	0.8	0.6	1.2	1.6
	8H	0.0	0.0	0.0	0.0	0.0	0.1	0.8	0.6	1.2	1.6
	12H	0.0	0.0	0.0	0.0	0.0	0.1	0.7	0.5	1.1	1.5
4H	2H	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.8	1.2
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.5	1.1	1.5
	4H	0.0	0.0	0.0	0.0	0.0	0.2	0.8	0.7	1.2	1.6
	6H	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.8	1.2	1.7
	8H	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7	1.1	1.6
	12H	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	1.0	1.5
8H	4H	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.6	1.0	1.5
	6H	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.7	1.1	1.6
	8H	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	1.0	1.5
	12H	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	0.9	1.5
12H	4H	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.6	1.0	1.4
	6H	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.9	1.5
	8H	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	0.9	1.5

Maximum UGR = 1.7

POLAR GRAPH



Maximum Candela = 2388.52 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.)