

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : S3751.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TESTLAB] GLLED  
[ISSUE DATE] November 19, 2025  
[TEST DATE] November 19, 2025  
[TEST] 1  
[MANUFAC] GARDEN LIGHT LED  
[LUMINAIRE] S3751-BLK-30K  
[LAMP] XTE-CREE  
[LAMPCAT] SPECIALITY LIGHT

**CHARACTERISTICS**

Lumens Per Lamp	841.996 (1 lamp)
Total Lamp Lumens	841.996
Luminaire Lumens	799
Total Luminaire Efficiency	95 %
Luminaire Efficacy Rating (LER)	57
Total Luminaire Watts	14.12
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)	0.27 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	1597	1766	2434
55	478	462	599
65	322	340	331
75	310	325	353
85	43	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>
<b>0</b>	4110.56	4110.56	4110.56	4110.56	4110.56	4110.56	4110.56	4110.56	4110.56
<b>5</b>	3352.39	3321.15	3330.60	3331.77	3350.30	3353.79	3374.16	3349.08	3374.95
<b>10</b>	2140.50	2151.31	2150.43	2169.25	2166.28	2174.42	2190.29	2183.64	2185.84
<b>15</b>	1119.28	1129.13	1131.43	1144.18	1163.08	1168.46	1178.87	1184.75	1187.20
<b>20</b>	513.24	514.70	522.62	539.53	549.65	563.27	567.76	564.97	565.32
<b>25</b>	219.70	221.46	230.62	238.74	250.82	256.93	261.81	266.86	263.76
<b>30</b>	94.60	96.62	100.06	105.36	112.39	118.70	122.62	124.33	126.00
<b>35</b>	38.90	41.02	42.71	44.50	48.57	54.24	57.44	58.99	58.12
<b>40</b>	15.30	16.01	17.04	19.15	21.08	23.82	26.39	27.15	26.82
<b>45</b>	6.05	6.61	6.69	7.64	9.22	10.33	11.78	12.62	12.37
<b>50</b>	2.71	2.79	2.98	3.35	3.90	4.30	4.92	5.46	5.74
<b>55</b>	1.47	1.46	1.42	1.52	1.84	2.17	2.03	2.23	2.22
<b>60</b>	0.76	0.97	0.88	0.93	1.00	1.14	1.20	1.25	1.32
<b>65</b>	0.73	0.76	0.77	0.70	0.75	0.70	0.76	0.71	0.82
<b>70</b>	0.81	0.65	0.59	0.63	0.57	0.67	0.59	0.58	0.48
<b>75</b>	0.43	0.43	0.45	0.43	0.49	0.43	0.46	0.51	0.53
<b>80</b>	0.24	0.25	0.18	0.17	0.18	0.20	0.17	0.19	0.22
<b>85</b>	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
<b>90</b>	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	623.96	74.10	78.10
0-30	752.19	89.30	94.10
0-40	787.71	93.60	98.60
0-60	798.00	94.80	99.80
0-80	799.24	94.90	100.00
0-90	799.30	94.90	100.00
10-90	512.84	60.90	64.20
20-40	163.75	19.40	20.50
20-50	172.11	20.40	21.50
40-70	11.07	1.30	1.40
60-80	1.24	0.10	0.20
70-80	0.46	0.10	0.10
80-90	0.06	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	799.30	94.90	100.00

Total Luminaire Efficiency = 94.90%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	286.45
10-20	337.51
20-30	128.23
30-40	35.52
40-50	8.37
50-60	1.92
60-70	0.78
70-80	0.46
80-90	0.06
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

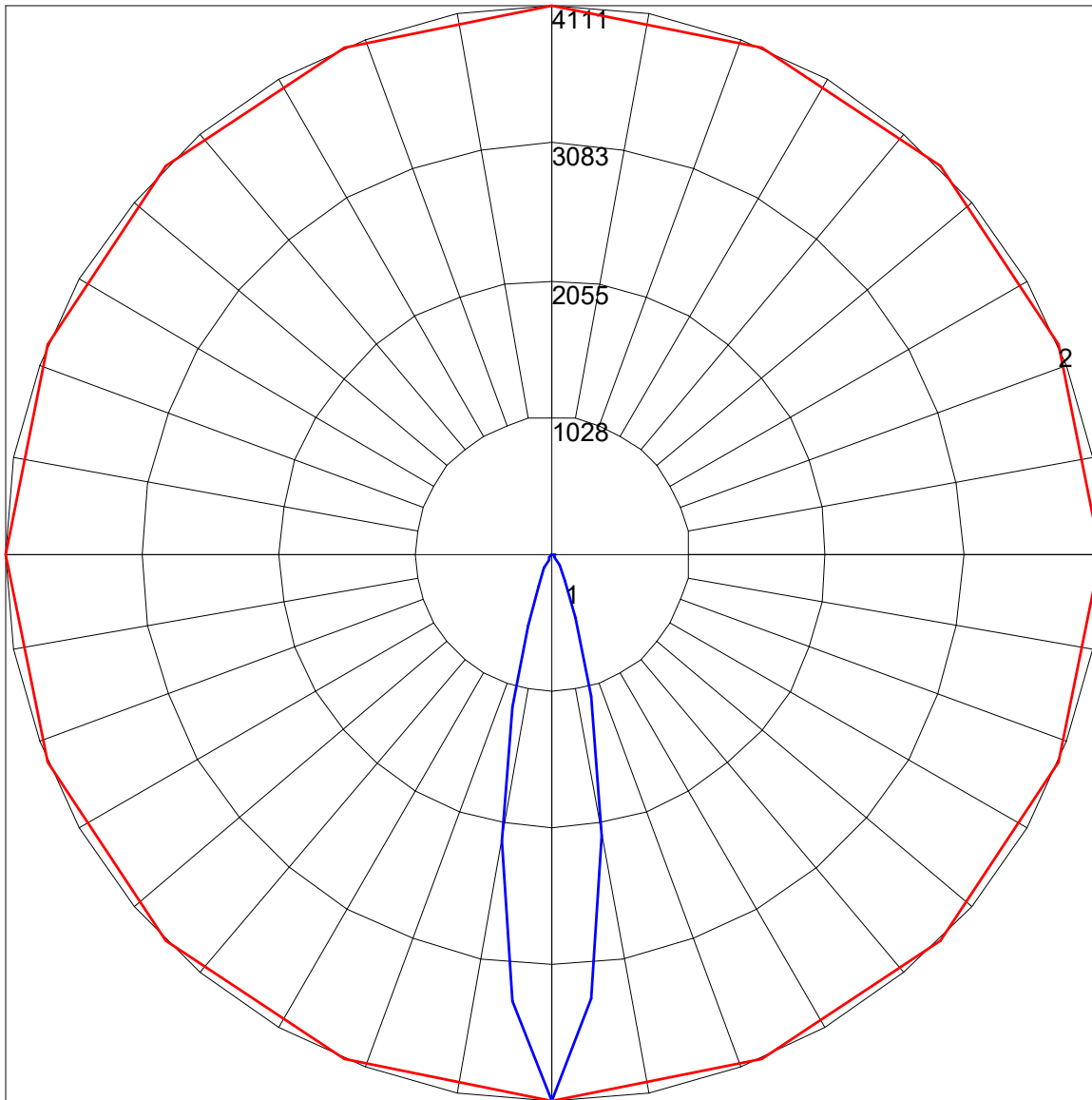
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	113	113	113	113	110	110	110	110	105	105	105	101	101	101	97	97	97	95
1	109	107	105	104	107	105	104	102	101	100	99	98	97	96	95	94	93	92
2	106	102	99	97	104	101	98	96	98	96	94	95	93	92	92	91	90	88
3	102	98	94	92	100	96	93	91	94	92	89	92	90	88	90	88	87	86
4	99	94	90	87	97	93	89	87	91	88	86	89	87	85	88	86	84	83
5	96	90	86	84	95	90	86	83	88	85	82	87	84	82	85	83	81	80
6	93	87	83	80	92	87	83	80	85	82	80	84	81	79	83	81	79	78
7	91	84	80	78	90	84	80	77	83	79	77	82	79	77	81	78	76	75
8	88	82	78	75	87	81	78	75	80	77	75	80	77	74	79	76	74	73
9	86	79	75	73	85	79	75	73	78	75	73	78	74	72	77	74	72	71
10	83	77	73	71	83	77	73	71	76	73	71	76	72	70	75	72	70	69

POLAR GRAPH



Maximum Candela = 4110.56 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.)