

IES INDOOR REPORT
PHOTOMETRIC FILENAME : WW75-BLK.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] WW75F-BLK-30K
[LAMP] XTE-CREE
[LAMPCAT] WALL WASHER

CHARACTERISTICS

Lumens Per Lamp	329.999 (3 lamps)
Total Lamp Lumens	989.9969
Luminaire Lumens	485
Total Luminaire Efficiency	49 %
Luminaire Efficacy Rating (LER)	34
Total Luminaire Watts	14.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.17 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.17 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1045	9352	30589
55	964	881	20655
65	351	559	9491
75	6	40	423
85	0	0	16

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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	299.40	299.40	299.40	299.40	299.40	299.40	299.40	299.40	299.40
5	300.82	299.28	294.12	309.91	298.75	299.76	294.45	298.17	298.94
10	300.41	295.39	301.34	298.83	299.35	297.04	290.85	293.19	287.76
15	289.19	292.47	286.33	287.80	292.87	293.58	289.74	288.83	297.67
20	285.10	283.90	281.74	287.59	283.79	285.65	280.83	284.01	285.83
25	273.84	275.53	273.26	276.68	282.84	278.74	276.03	275.46	274.13
30	265.71	263.16	260.97	264.29	264.80	263.25	261.60	261.12	260.58
35	104.27	182.62	248.91	233.94	221.58	232.71	247.77	175.16	93.93
40	10.79	30.25	182.31	197.09	198.85	198.09	175.33	26.15	10.59
45	8.59	9.31	77.69	178.69	181.58	177.36	73.55	9.24	9.08
50	7.82	7.76	20.61	147.26	149.37	145.31	18.69	8.08	8.05
55	7.80	7.06	7.22	83.93	112.56	84.09	7.24	7.32	7.97
60	6.74	6.39	5.92	46.32	80.83	45.66	5.86	6.17	5.87
65	2.71	3.42	4.38	19.75	45.53	18.07	4.08	2.09	1.03
70	0.27	0.54	1.98	5.35	16.27	4.61	1.42	0.14	0.07
75	0.04	0.05	0.29	0.71	1.69	0.52	0.11	0.03	0.03
80	0.02	0.01	0.01	0.09	0.31	0.07	0.01	0.00	0.00
85	0.00	0.00	0.00	0.02	0.05	0.01	0.00	0.00	0.00
90	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
165	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
170	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.01	0.01
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	110.64	11.20	22.80
0-30	237.71	24.00	49.00
0-40	362.11	36.60	74.70
0-60	470.51	47.50	97.00
0-80	485.05	49.00	100.00
0-90	485.07	49.00	100.00
10-90	456.61	46.10	94.10
20-40	251.47	25.40	51.80
20-50	322.47	32.60	66.50
40-70	121.70	12.30	25.10
60-80	14.54	1.50	3.00
70-80	1.24	0.10	0.30
80-90	0.02	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	485.08	49.00	100.00

Total Luminaire Efficiency = 49.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	28.46
10-20	82.18
20-30	127.06
30-40	124.41
40-50	71.00
50-60	37.40
60-70	13.30
70-80	1.24
80-90	0.02
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	58	58	58	58	57	57	57	57	54	54	54	52	52	52	50	50	50	49
1	55	53	52	51	54	52	51	50	50	49	48	48	48	47	47	46	46	45
2	52	49	46	44	50	48	46	44	46	44	43	45	43	42	43	42	41	40
3	48	44	41	39	47	44	41	39	42	40	38	41	39	37	40	38	37	36
4	45	41	37	35	44	40	37	35	39	36	34	38	36	34	37	35	33	32
5	42	37	34	31	41	37	33	31	36	33	31	35	32	30	34	32	30	29
6	39	34	31	28	39	34	30	28	33	30	28	32	30	28	32	29	27	27
7	37	32	28	26	36	31	28	26	31	28	25	30	27	25	29	27	25	24
8	35	29	26	23	34	29	26	23	28	25	23	28	25	23	27	25	23	22
9	33	27	24	21	32	27	24	21	26	23	21	26	23	21	25	23	21	20
10	31	25	22	20	30	25	22	20	25	22	20	24	22	20	24	21	20	19

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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

X=2H	Y=2H	4.2	5.4	4.6	5.8	6.1	19.5	20.8	19.9	21.1	21.4
	3H	4.2	5.3	4.6	5.6	6.0	19.7	20.8	20.1	21.1	21.5
	4H	4.2	5.1	4.6	5.5	5.9	19.6	20.6	20.0	21.0	21.3
	6H	4.1	5.0	4.5	5.3	5.7	19.5	20.4	19.9	20.8	21.2
	8H	4.0	4.9	4.4	5.3	5.7	19.5	20.3	19.9	20.7	21.1
	12H	4.0	4.8	4.4	5.2	5.6	19.4	20.2	19.9	20.6	21.1

UGR Viewed Endwise

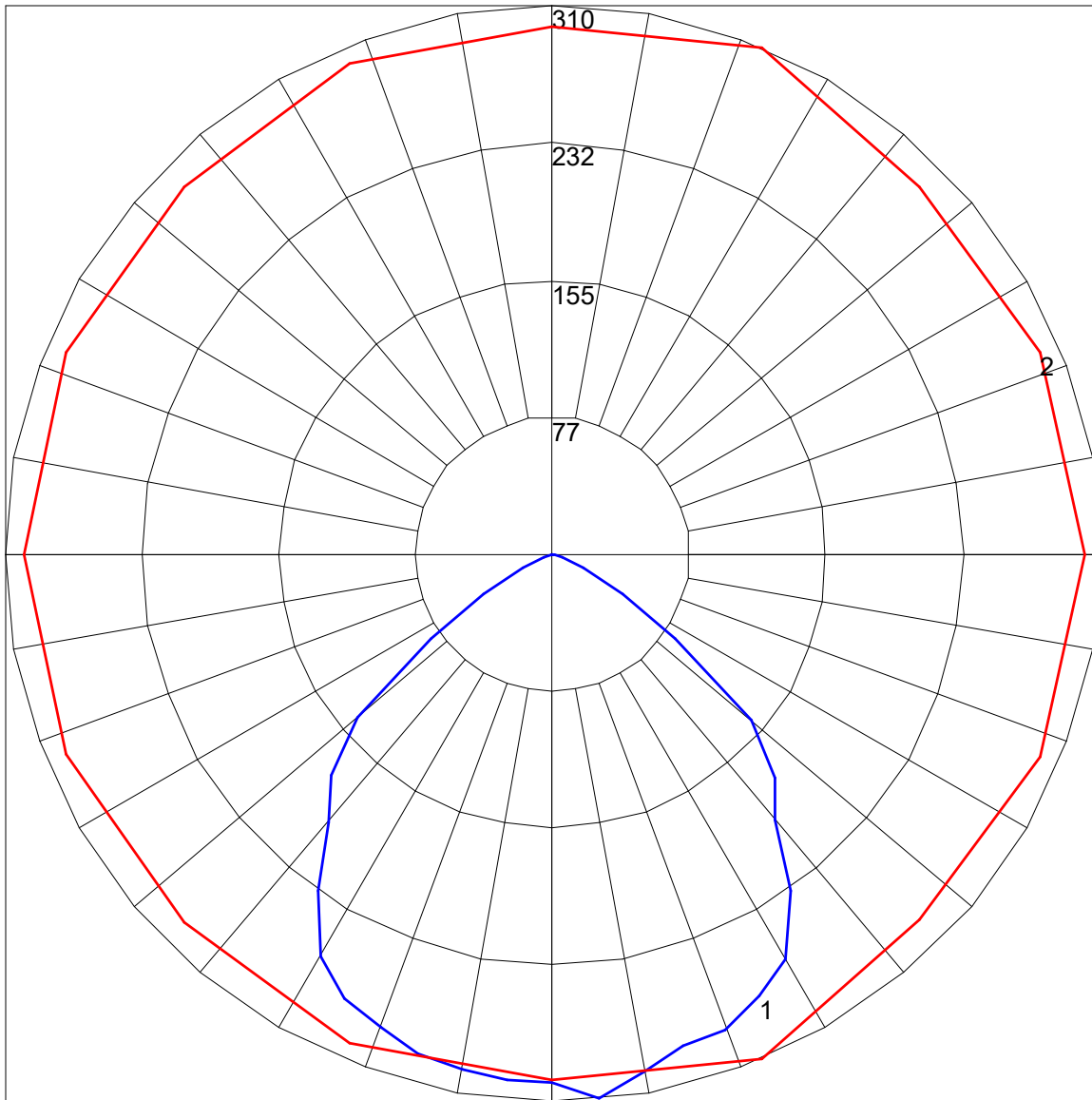
4H	2H	4.4	5.4	4.9	5.8	6.2	19.3	20.3	19.8	20.7	21.1
	3H	4.4	5.3	4.9	5.7	6.1	19.4	20.3	19.9	20.7	21.1
	4H	4.3	5.1	4.8	5.5	5.9	19.3	20.1	19.8	20.5	20.9
	6H	4.2	4.9	4.7	5.3	5.8	19.2	19.9	19.7	20.3	20.8
	8H	4.2	4.8	4.7	5.2	5.7	19.2	19.8	19.7	20.2	20.7
	12H	4.2	4.6	4.6	5.1	5.6	19.2	19.7	19.7	20.1	20.6

8H	4H	4.3	4.8	4.7	5.3	5.8	19.2	19.8	19.7	20.2	20.7
	6H	4.1	4.6	4.6	5.1	5.6	19.1	19.6	19.6	20.1	20.5
	8H	4.1	4.5	4.6	5.0	5.5	19.0	19.4	19.6	20.0	20.5
	12H	4.1	4.4	4.6	4.9	5.5	19.0	19.3	19.5	19.8	20.4

12H	4H	4.2	4.7	4.7	5.2	5.7	19.2	19.7	19.7	20.1	20.6
	6H	4.1	4.5	4.6	5.0	5.5	19.0	19.5	19.6	19.9	20.5
	8H	4.1	4.4	4.6	4.9	5.5	19.0	19.3	19.5	19.8	20.4

Maximum UGR = 21.5

POLAR GRAPH



Maximum Candela = 309.91 Located At Horizontal Angle = 67.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)