

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1439309

Luminaire Tested: CB3-0U-XD-935-B06-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439309  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-0U-XD-935-B06-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE  
3-INCH APERTURE  
DOWNLIGHT UNDER 6W BATTERY POWER  
DIRECT ONLY  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

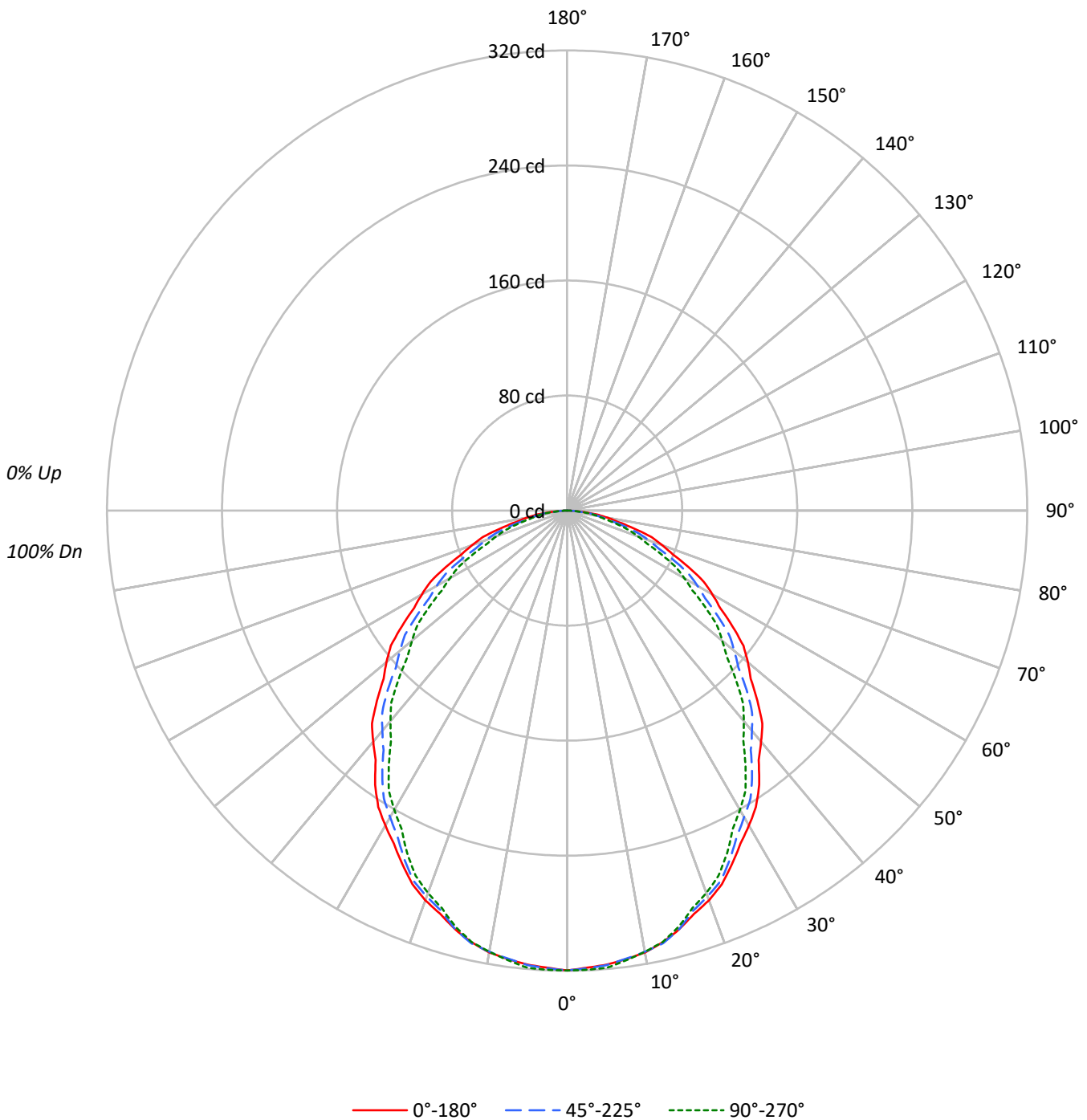
Lumens per Lamp: N/A  
Luminaire Lumens: 765.5 lumens  
Efficiency: N/A  
Efficacy: 127.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				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
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	72	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	78	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3618	3618	3618
5°	3600	3604	3624
10°	3585	3580	3580
15°	3531	3531	3509
20°	3473	3438	3408
25°	3386	3343	3283
30°	3303	3217	3140
35°	3216	3097	2986
40°	3099	2953	2824
45°	2994	2824	2650
50°	2887	2670	2478
55°	2770	2523	2316
60°	2641	2369	2132
65°	2493	2195	1938
70°	2322	1992	1727
75°	2103	1749	1539
80°	1837	1466	1362
85°	1415	1233	1233

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2994 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.2	3.9
10°-20°	84.8	11.1
20°-30°	123.1	16.1
30°-40°	140.0	18.3
40°-50°	135.9	17.8
50°-60°	114.8	15.0
60°-70°	81.6	10.7
70°-80°	43.6	5.7
80°-90°	11.5	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	238.1	31.1
0°-40°	378.1	49.4
0°-60°	628.8	82.1
0°-90°	765.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	765.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	320	320	320	320	320	
5°	317	321	317	317	319	30
15°	301	304	301	300	300	85
25°	271	272	268	264	263	125
35°	233	231	224	218	216	145
45°	187	184	176	168	166	144
55°	140	137	128	120	117	125
65°	93	90	82	75	72	92
75°	48	46	40	36	35	51
85°	11	10	10	10	10	13
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	319.8	319.8	319.8	319.8	319.8
2.5°	318.1	321.3	318.5	318.9	319.6
5°	317.0	321.0	317.3	316.9	319.1
7.5°	314.6	318.2	314.3	313.4	315.4
10°	312.0	316.0	311.6	310.5	311.6
12.5°	307.5	311.7	308.1	306.3	307.2
15°	301.4	304.0	301.4	299.6	299.6
17.5°	293.9	296.7	291.6	290.4	289.9
20°	288.4	290.9	285.5	283.6	283.0
22.5°	281.2	283.4	278.9	275.8	275.0
25°	271.2	272.1	267.8	264.1	263.0
27.5°	261.1	261.3	255.4	251.0	249.5
30°	252.8	253.0	246.2	241.4	240.3
32.5°	244.4	243.7	237.3	231.6	230.8
35°	232.8	230.6	224.2	217.5	216.2
37.5°	218.7	217.4	209.8	203.2	201.2
40°	209.8	207.6	199.9	193.2	191.2
42.5°	200.9	198.4	190.4	183.0	180.9
45°	187.1	184.2	176.5	168.0	165.6
47.5°	173.2	170.1	161.5	153.3	150.6
50°	164.0	160.6	151.7	143.7	140.8
52.5°	154.5	151.0	142.1	133.9	131.5
55°	140.4	136.6	127.9	119.6	117.4
57.5°	126.2	122.4	113.8	106.0	103.3
60°	116.7	113.2	104.7	96.9	94.2
62.5°	107.1	103.7	95.4	87.8	85.3
65°	93.1	89.8	82.0	74.7	72.4
67.5°	79.3	76.4	68.7	62.0	60.2
70°	70.2	67.5	60.2	54.0	52.2
72.5°	61.5	58.6	51.6	46.4	45.1
75°	48.1	45.5	40.0	35.9	35.2
77.5°	36.0	33.8	29.0	26.7	26.3
80°	28.2	26.2	22.5	20.9	20.9
82.5°	20.9	19.3	16.9	16.2	16.2
85°	10.9	10.0	9.5	9.5	9.5
87.5°	3.3	3.3	3.1	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0

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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.46	17.04	15.83	17.36	17.67	14.39	15.97	14.75	16.28	16.60
	3H	17.18	18.60	17.56	18.93	19.29	15.85	17.27	16.23	17.60	17.96
	4H	17.84	19.18	18.24	19.53	19.91	16.40	17.74	16.80	18.08	18.46
	6H	18.26	19.50	18.67	19.87	20.26	16.75	17.99	17.16	18.35	18.75
	8H	18.42	19.60	18.84	19.99	20.39	16.89	18.07	17.32	18.46	18.86
	12H	18.51	19.64	18.94	20.02	20.45	16.99	18.12	17.42	18.50	18.93
4H	2H	15.95	17.29	16.35	17.64	18.02	15.10	16.43	15.49	16.78	17.16
	3H	17.90	19.02	18.31	19.42	19.82	16.77	17.89	17.18	18.29	18.69
	4H	18.68	19.69	19.11	20.10	20.54	17.41	18.42	17.84	18.83	19.27
	6H	19.22	20.10	19.68	20.54	21.00	17.86	18.74	18.32	19.18	19.64
	8H	19.43	20.25	19.89	20.69	21.16	18.05	18.87	18.51	19.31	19.78
	12H	19.56	20.30	20.04	20.77	21.24	18.18	18.92	18.67	19.40	19.87
8H	4H	18.86	19.69	19.33	20.13	20.59	17.72	18.55	18.19	18.99	19.46
	6H	19.51	20.19	20.01	20.68	21.16	18.28	18.96	18.78	19.45	19.93
	8H	19.79	20.41	20.31	20.91	21.40	18.54	19.15	19.05	19.66	20.15
	12H	19.99	20.53	20.50	21.02	21.58	18.75	19.29	19.26	19.78	20.34
12H	4H	18.87	19.61	19.35	20.08	20.55	17.76	18.50	18.24	18.97	19.44
	6H	19.53	20.15	20.04	20.65	21.14	18.34	18.96	18.85	19.46	19.95
	8H	19.87	20.41	20.38	20.90	21.46	18.66	19.20	19.17	19.69	20.25