

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: P1439310

Luminaire Tested: CB3-0U-XD-935-B10-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439310  
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-B10-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE  
3-INCH APERTURE  
DOWNLIGHT UNDER 10W BATTERY POWER  
DIRECT ONLY  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

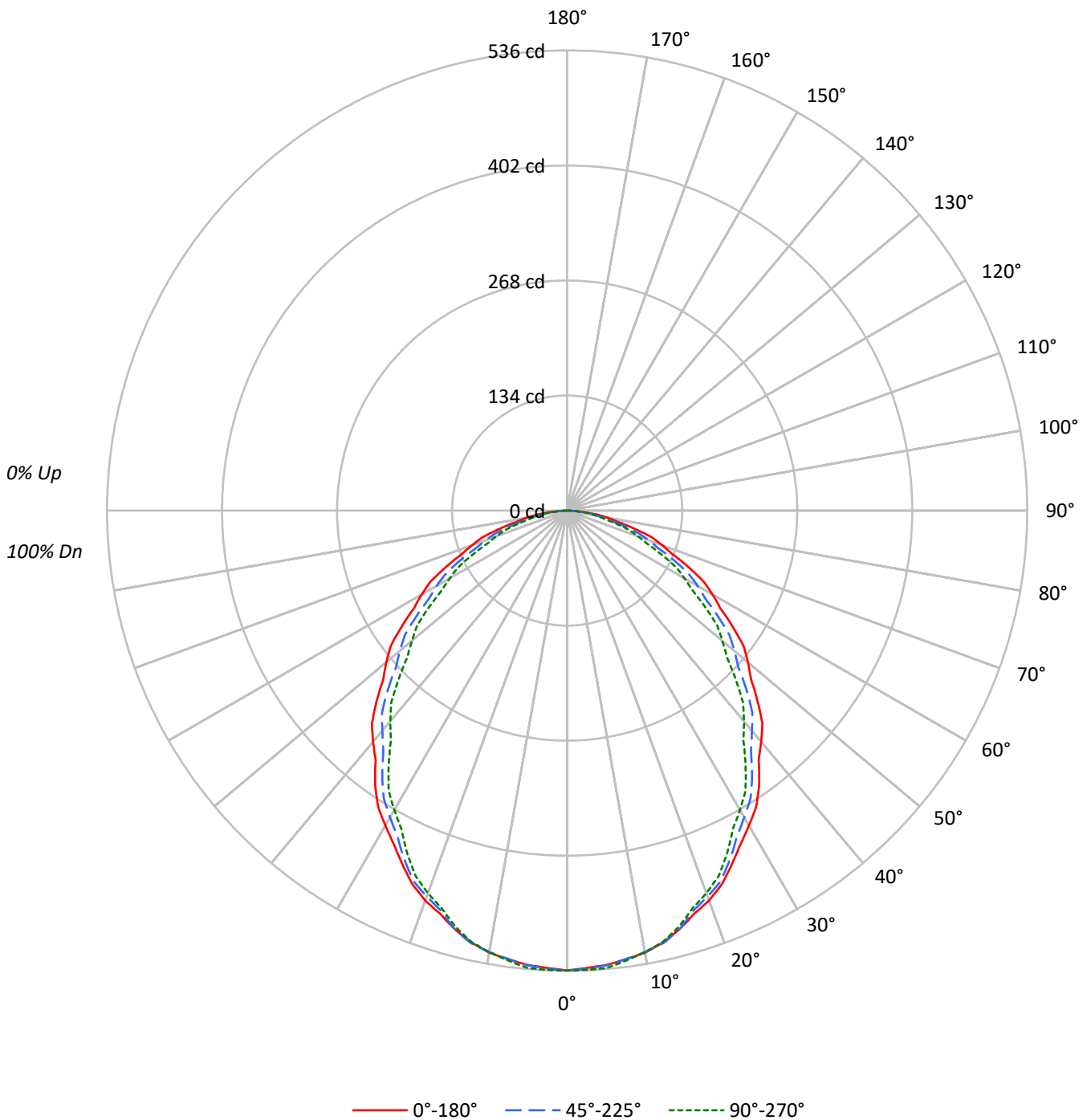
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1282.8 lumens  
Efficiency: N/A  
Efficacy: 128.3 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): 10  
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°	6062	6062	6062
5°	6033	6038	6073
10°	6008	5998	5998
15°	5915	5915	5879
20°	5819	5760	5710
25°	5673	5602	5502
30°	5534	5389	5260
35°	5388	5188	5004
40°	5193	4947	4732
45°	5018	4732	4439
50°	4837	4475	4152
55°	4640	4227	3880
60°	4426	3969	3573
65°	4177	3679	3250
70°	3890	3335	2895
75°	3528	2929	2579
80°	3075	2456	2281
85°	2376	2077	2077

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5018 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.6	3.9
10°-20°	142.0	11.1
20°-30°	206.4	16.1
30°-40°	234.6	18.3
40°-50°	227.8	17.8
50°-60°	192.3	15.0
60°-70°	136.8	10.7
70°-80°	73.1	5.7
80°-90°	19.3	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°	398.9	31.1
0°-40°	633.5	49.4
0°-60°	1053.6	82.1
0°-90°	1282.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1282.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	536	536	536	536	536	
5°	531	538	532	531	535	50
15°	505	510	505	502	502	142
25°	454	456	449	442	441	209
35°	390	386	376	364	362	243
45°	314	309	296	282	277	242
55°	235	229	214	200	197	210
65°	156	150	137	125	121	155
75°	81	76	67	60	59	86
85°	18	17	16	16	16	22
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	535.8	535.8	535.8	535.8	535.8
2.5°	533.1	538.4	533.7	534.3	535.5
5°	531.2	537.9	531.6	531.0	534.7
7.5°	527.1	533.2	526.7	525.2	528.5
10°	522.9	529.6	522.1	520.3	522.1
12.5°	515.3	522.3	516.3	513.2	514.8
15°	505.0	509.5	505.0	501.9	501.9
17.5°	492.4	497.1	488.7	486.6	485.7
20°	483.3	487.4	478.4	475.3	474.2
22.5°	471.1	474.9	467.4	462.2	460.8
25°	454.4	455.9	448.7	442.5	440.7
27.5°	437.6	437.9	428.0	420.6	418.1
30°	423.6	423.9	412.5	404.5	402.6
32.5°	409.5	408.4	397.6	388.1	386.8
35°	390.1	386.3	375.6	364.5	362.3
37.5°	366.5	364.3	351.6	340.5	337.2
40°	351.6	347.9	334.9	323.8	320.4
42.5°	336.7	332.4	319.1	306.7	303.1
45°	313.6	308.7	295.7	281.5	277.4
47.5°	290.3	285.0	270.6	256.9	252.4
50°	274.8	269.2	254.2	240.8	235.9
52.5°	258.9	253.0	238.1	224.4	220.4
55°	235.2	228.9	214.3	200.5	196.7
57.5°	211.4	205.2	190.7	177.6	173.2
60°	195.6	189.6	175.4	162.4	157.9
62.5°	179.5	173.8	159.9	147.2	143.0
65°	156.0	150.4	137.4	125.1	121.4
67.5°	132.8	128.0	115.2	103.9	100.9
70°	117.6	113.1	100.8	90.5	87.5
72.5°	103.0	98.2	86.5	77.7	75.7
75°	80.7	76.2	67.0	60.1	59.0
77.5°	60.3	56.6	48.6	44.7	44.1
80°	47.2	43.8	37.7	35.0	35.0
82.5°	35.0	32.3	28.2	27.1	27.1
85°	18.3	16.8	16.0	16.0	16.0
87.5°	5.5	5.5	5.2	4.9	4.9
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	17.26	18.84	17.62	19.15	19.47	16.18	17.76	16.55	18.08	18.39
	3H	18.97	20.40	19.35	20.73	21.09	17.64	19.07	18.02	19.39	19.76
	4H	19.64	20.98	20.04	21.32	21.70	18.19	19.53	18.59	19.88	20.26
	6H	20.06	21.30	20.47	21.66	22.05	18.54	19.78	18.95	20.15	20.54
	8H	20.21	21.39	20.64	21.78	22.18	18.69	19.87	19.11	20.26	20.66
	12H	20.30	21.43	20.73	21.82	22.25	18.78	19.92	19.21	20.30	20.73
4H	2H	17.75	19.09	18.15	19.43	19.81	16.89	18.23	17.29	18.58	18.95
	3H	19.70	20.82	20.11	21.21	21.61	18.57	19.69	18.98	20.08	20.48
	4H	20.47	21.48	20.91	21.90	22.33	19.20	20.21	19.63	20.63	21.06
	6H	21.02	21.89	21.47	22.34	22.79	19.65	20.53	20.11	20.97	21.43
	8H	21.22	22.04	21.68	22.49	22.95	19.84	20.66	20.30	21.10	21.57
	12H	21.35	22.09	21.83	22.57	23.04	19.98	20.71	20.46	21.19	21.66
8H	4H	20.66	21.48	21.12	21.92	22.39	19.52	20.34	19.98	20.78	21.25
	6H	21.30	21.99	21.80	22.48	22.95	20.07	20.76	20.57	21.25	21.72
	8H	21.59	22.20	22.10	22.70	23.19	20.33	20.94	20.84	21.45	21.94
	12H	21.78	22.32	22.29	22.81	23.38	20.54	21.08	21.05	21.57	22.14
12H	4H	20.66	21.40	21.14	21.88	22.35	19.55	20.29	20.03	20.77	21.24
	6H	21.33	21.94	21.84	22.45	22.93	20.14	20.75	20.65	21.26	21.74
	8H	21.66	22.20	22.17	22.69	23.25	20.45	20.99	20.96	21.48	22.05