

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: P1438789

Luminaire Tested: CB2-0U-XD-935-B06-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438789  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-0U-XD-935-B06-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE  
2-INCH APERTURE  
DOWNLIGHT UNDER 6W BATTERY POWER  
DIRECT ONLY  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

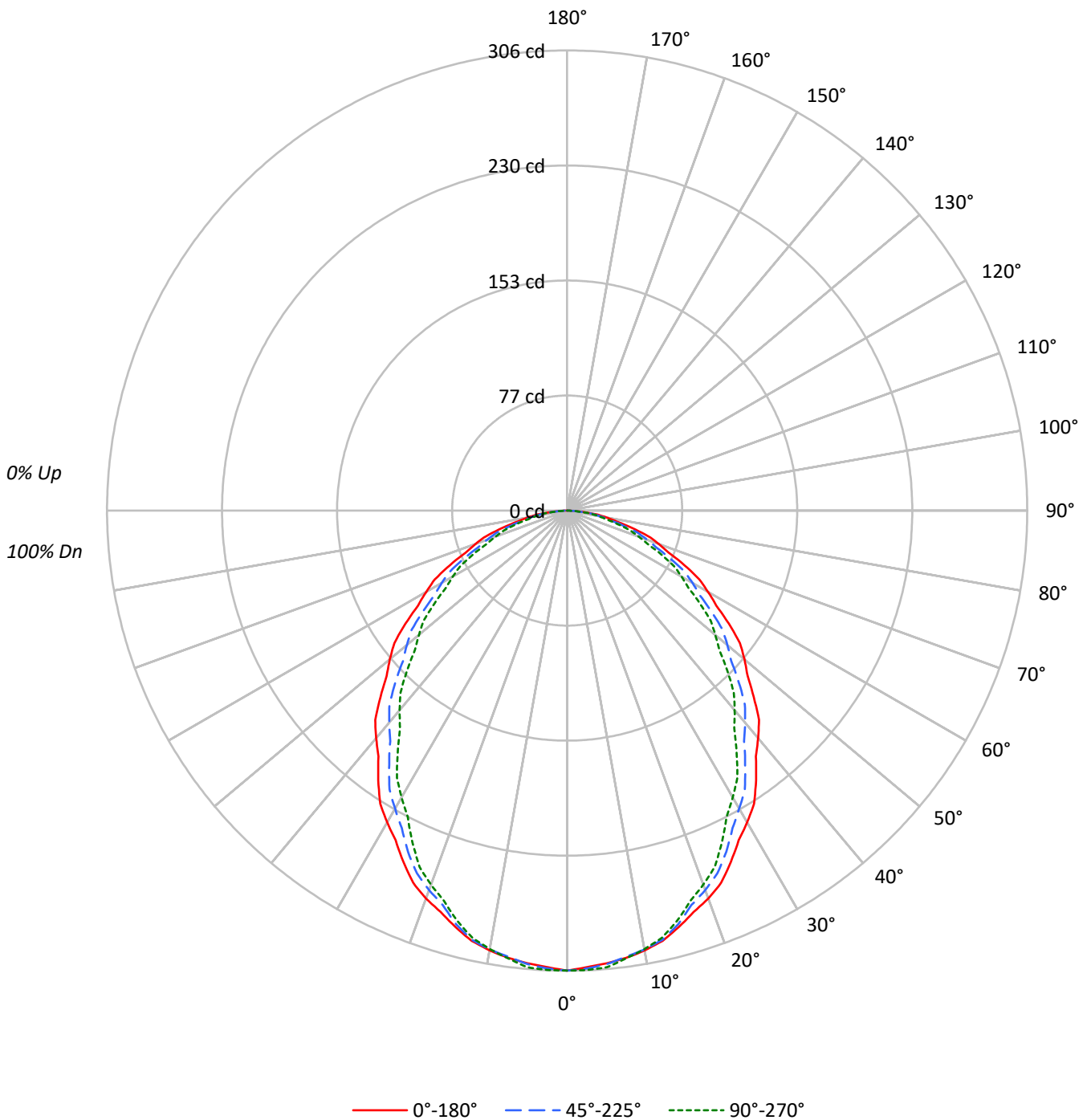
Lumens per Lamp: N/A  
Luminaire Lumens: 713.4 lumens  
Efficiency: N/A  
Efficacy: 118.9 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72				72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61				61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53				53
5	78	65	56	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46				46
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41				41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	49	43	38	36				36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33				33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29				29
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27				27

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

	0°	45°	90°
0°	5328	5328	5328
5°	5284	5292	5329
10°	5253	5240	5237
15°	5170	5137	5094
20°	5088	4977	4906
25°	4952	4812	4678
30°	4815	4604	4429
35°	4657	4389	4178
40°	4491	4186	3940
45°	4323	3976	3710
50°	4170	3769	3485
55°	3984	3556	3273
60°	3769	3355	3058
65°	3544	3128	2848
70°	3295	2877	2577
75°	2995	2604	2335
80°	2678	2277	2116
85°	2058	1879	1539

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4323 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.8	4.0
10°-20°	80.2	11.2
20°-30°	115.3	16.2
30°-40°	129.6	18.2
40°-50°	125.2	17.5
50°-60°	105.8	14.8
60°-70°	76.0	10.7
70°-80°	41.5	5.8
80°-90°	11.0	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°	224.3	31.4
0°-40°	353.9	49.6
0°-60°	584.9	82.0
0°-90°	713.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	713.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	306	306	306	306	306	
5°	302	306	303	303	305	29
15°	287	289	285	282	282	81
25°	258	258	250	245	243	119
35°	219	216	206	198	196	137
45°	176	172	161	153	151	136
55°	131	126	117	110	108	117
65°	86	83	76	70	69	85
75°	44	42	39	36	35	48
85°	10	10	9	8	8	13
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	305.9	305.9	305.9	305.9	305.9
2.5°	303.9	307.5	304.8	305.2	305.8
5°	302.2	306.3	302.7	302.7	304.8
7.5°	300.0	303.9	299.3	298.5	300.4
10°	297.0	300.9	296.3	294.7	296.1
12.5°	293.1	296.8	292.4	289.8	291.0
15°	286.7	289.2	284.9	282.1	282.5
17.5°	279.8	281.4	275.0	272.7	272.2
20°	274.5	275.9	268.5	265.2	264.7
22.5°	267.8	269.0	261.1	257.1	256.5
25°	257.7	257.9	250.4	244.8	243.4
27.5°	247.1	246.4	238.1	231.4	229.6
30°	239.4	238.5	228.9	221.8	220.2
32.5°	231.2	229.5	219.9	212.2	210.6
35°	219.0	216.5	206.4	198.4	196.5
37.5°	206.1	203.3	193.3	184.6	182.5
40°	197.5	194.3	184.1	175.4	173.3
42.5°	188.9	185.3	174.9	166.2	164.0
45°	175.5	171.8	161.4	152.9	150.6
47.5°	162.7	158.0	148.0	139.5	137.2
50°	153.9	148.9	139.1	130.9	128.6
52.5°	144.9	139.7	130.3	122.5	120.2
55°	131.2	126.4	117.1	109.8	107.8
57.5°	117.6	113.0	104.5	97.5	95.5
60°	108.2	104.3	96.3	89.7	87.8
62.5°	99.2	95.7	88.0	82.0	80.2
65°	86.0	82.8	75.9	70.5	69.1
67.5°	73.1	69.9	64.3	59.5	57.9
70°	64.7	61.4	56.5	52.0	50.6
72.5°	56.6	53.2	49.1	45.0	44.0
75°	44.5	41.8	38.7	35.6	34.7
77.5°	33.8	31.2	28.9	26.7	26.5
80°	26.7	24.4	22.7	21.3	21.1
82.5°	20.0	18.2	17.1	16.1	16.0
85°	10.3	9.6	9.4	8.2	7.7
87.5°	3.0	3.0	2.6	2.2	2.2
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	16.66	18.24	17.03	18.56	18.87	15.56	17.14	15.93	17.45	17.77
	3H	18.36	19.78	18.74	20.11	20.47	17.14	18.56	17.52	18.89	19.25
	4H	19.02	20.36	19.42	20.70	21.08	17.74	19.08	18.14	19.43	19.81
	6H	19.45	20.69	19.87	21.06	21.45	18.15	19.39	18.56	19.75	20.14
	8H	19.62	20.80	20.05	21.19	21.59	18.31	19.49	18.73	19.88	20.28
	12H	19.72	20.85	20.15	21.23	21.66	18.39	19.53	18.82	19.91	20.34
4H	2H	17.15	18.49	17.55	18.84	19.22	16.28	17.61	16.67	17.96	18.34
	3H	19.08	20.20	19.49	20.60	21.00	18.07	19.19	18.48	19.59	19.99
	4H	19.86	20.87	20.29	21.28	21.72	18.77	19.78	19.21	20.20	20.63
	6H	20.41	21.29	20.87	21.74	22.19	19.29	20.17	19.74	20.61	21.07
	8H	20.64	21.46	21.10	21.90	22.37	19.49	20.32	19.95	20.76	21.22
	12H	20.77	21.51	21.26	21.99	22.46	19.61	20.35	20.09	20.83	21.30
8H	4H	20.07	20.89	20.53	21.33	21.80	19.10	19.92	19.56	20.37	20.83
	6H	20.74	21.42	21.23	21.91	22.38	19.73	20.42	20.23	20.90	21.38
	8H	21.03	21.64	21.54	22.15	22.64	20.01	20.63	20.53	21.13	21.62
	12H	21.24	21.78	21.75	22.27	22.83	20.20	20.74	20.70	21.23	21.79
12H	4H	20.08	20.82	20.56	21.29	21.76	19.14	19.88	19.62	20.35	20.82
	6H	20.77	21.38	21.28	21.89	22.38	19.80	20.41	20.31	20.92	21.41
	8H	21.12	21.66	21.63	22.15	22.71	20.14	20.68	20.65	21.17	21.73