

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: P1439307

Luminaire Tested: CB3-0U-XD-930-B06-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439307  
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-930-B06-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE  
3-INCH APERTURE  
DOWNLIGHT UNDER 6W BATTERY POWER  
DIRECT ONLY  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

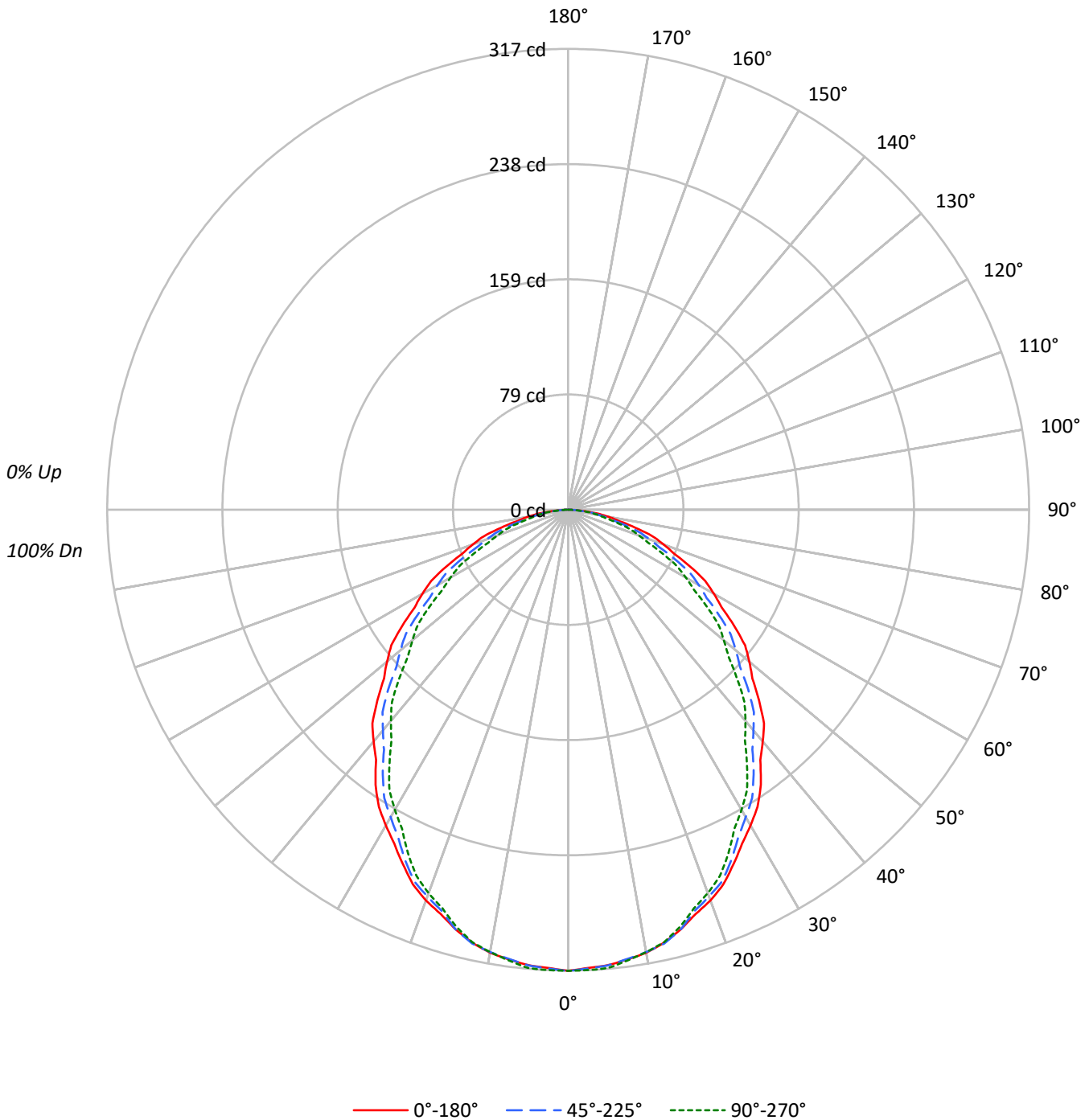
Lumens per Lamp: N/A  
Luminaire Lumens: 759.3 lumens  
Efficiency: N/A  
Efficacy: 126.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 6  
Input Voltage (V): 120  
Input Current (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	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	96	98	95	93	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	72	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53					53			
5	78	65	56	50	75	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	54	48	43	53	47	43	41					41			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36					36			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32					32			
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29					29			
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27					27			

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

	0°	45°	90°
0°	3589	3589	3589
5°	3572	3574	3595
10°	3556	3550	3550
15°	3501	3501	3480
20°	3445	3409	3380
25°	3358	3316	3256
30°	3275	3190	3113
35°	3189	3071	2961
40°	3074	2927	2802
45°	2970	2800	2627
50°	2862	2649	2459
55°	2746	2501	2298
60°	2620	2349	2116
65°	2474	2177	1925
70°	2302	1975	1714
75°	2090	1731	1526
80°	1818	1453	1349
85°	1402	1233	1233

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2970 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.9	3.9
10°-20°	84.1	11.1
20°-30°	122.1	16.1
30°-40°	138.9	18.3
40°-50°	134.8	17.8
50°-60°	113.8	15.0
60°-70°	81.0	10.7
70°-80°	43.3	5.7
80°-90°	11.4	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°	236.1	31.1
0°-40°	375.0	49.4
0°-60°	623.6	82.1
0°-90°	759.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	759.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	317	317	317	317	317	
5°	314	318	315	314	316	30
15°	299	302	299	297	297	84
25°	269	270	266	262	261	124
35°	231	229	222	216	214	144
45°	186	183	175	167	164	143
55°	139	136	127	119	116	124
65°	92	89	81	74	72	91
75°	48	45	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°	317.2	317.2	317.2	317.2	317.2
2.5°	315.5	318.7	315.9	316.3	317.0
5°	314.5	318.4	314.7	314.3	316.5
7.5°	312.0	315.6	311.7	310.8	312.8
10°	309.5	313.5	309.0	307.9	309.0
12.5°	305.0	309.1	305.6	303.8	304.7
15°	298.9	301.6	298.9	297.1	297.1
17.5°	291.5	294.3	289.3	288.0	287.5
20°	286.1	288.5	283.1	281.3	280.7
22.5°	278.9	281.1	276.7	273.6	272.7
25°	269.0	269.8	265.6	261.9	260.8
27.5°	259.0	259.2	253.4	249.0	247.5
30°	250.7	250.9	244.2	239.4	238.3
32.5°	242.4	241.8	235.3	229.7	228.9
35°	230.9	228.7	222.3	215.8	214.4
37.5°	217.0	215.6	208.1	201.6	199.6
40°	208.1	205.9	198.2	191.6	189.7
42.5°	199.3	196.7	188.9	181.5	179.4
45°	185.6	182.7	175.0	166.6	164.2
47.5°	171.8	168.7	160.2	152.1	149.4
50°	162.6	159.3	150.5	142.5	139.7
52.5°	153.3	149.8	140.9	132.8	130.5
55°	139.2	135.5	126.8	118.7	116.5
57.5°	125.2	121.5	112.9	105.1	102.5
60°	115.8	112.3	103.8	96.1	93.5
62.5°	106.2	102.9	94.7	87.1	84.6
65°	92.4	89.0	81.3	74.1	71.9
67.5°	78.6	75.8	68.2	61.5	59.7
70°	69.6	67.0	59.7	53.6	51.8
72.5°	61.0	58.1	51.2	46.0	44.8
75°	47.8	45.1	39.6	35.6	34.9
77.5°	35.7	33.5	28.8	26.5	26.1
80°	27.9	25.9	22.3	20.7	20.7
82.5°	20.7	19.1	16.7	16.0	16.0
85°	10.8	9.9	9.5	9.5	9.5
87.5°	3.2	3.2	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	15.44	17.02	15.80	17.33	17.65	14.36	15.94	14.72	16.25	16.57
	3H	17.15	18.58	17.53	18.91	19.27	15.82	17.24	16.20	17.57	17.93
	4H	17.82	19.16	18.22	19.50	19.88	16.37	17.71	16.77	18.06	18.43
	6H	18.24	19.47	18.65	19.84	20.23	16.72	17.96	17.13	18.33	18.72
	8H	18.39	19.57	18.82	19.96	20.36	16.86	18.04	17.29	18.43	18.83
	12H	18.48	19.61	18.91	19.99	20.42	16.96	18.09	17.39	18.47	18.90
4H	2H	15.93	17.27	16.33	17.61	17.99	15.07	16.40	15.46	16.75	17.13
	3H	17.88	18.99	18.29	19.39	19.79	16.75	17.86	17.16	18.26	18.66
	4H	18.65	19.66	19.09	20.08	20.51	17.38	18.39	17.81	18.80	19.24
	6H	19.19	20.07	19.65	20.51	20.97	17.83	18.71	18.29	19.15	19.61
	8H	19.40	20.22	19.86	20.67	21.13	18.02	18.84	18.48	19.28	19.75
	12H	19.53	20.27	20.01	20.74	21.21	18.16	18.89	18.64	19.37	19.84
8H	4H	18.84	19.66	19.30	20.10	20.57	17.70	18.52	18.16	18.96	19.43
	6H	19.48	20.16	19.98	20.65	21.13	18.25	18.93	18.75	19.42	19.90
	8H	19.76	20.38	20.28	20.88	21.37	18.51	19.12	19.02	19.63	20.11
	12H	19.96	20.50	20.47	20.99	21.55	18.72	19.26	19.23	19.75	20.31
12H	4H	18.84	19.58	19.32	20.06	20.53	17.73	18.47	18.21	18.95	19.42
	6H	19.50	20.12	20.02	20.62	21.11	18.31	18.93	18.82	19.43	19.92
	8H	19.84	20.38	20.34	20.87	21.43	18.63	19.17	19.14	19.66	20.22