

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: P1438788

Luminaire Tested: CB2-0U-XD-930-B10-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438788
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-930-B10-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE
2-INCH APERTURE
DOWNLIGHT UNDER 10W BATTERY POWER
DIRECT ONLY
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

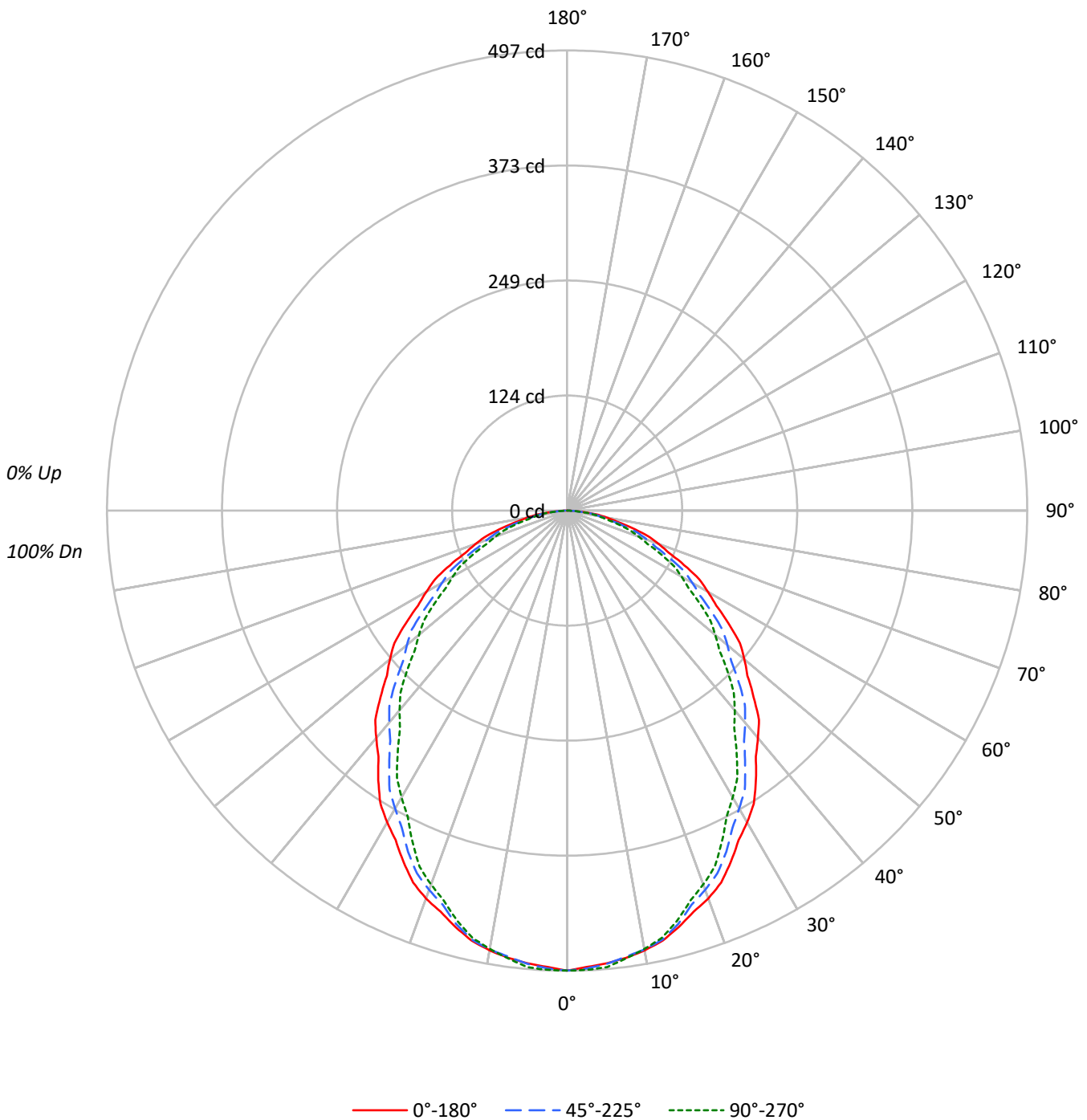
Lumens per Lamp: N/A
Luminaire Lumens: 1158.4 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): 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°	8653	8653	8653
5°	8579	8592	8653
10°	8530	8511	8503
15°	8396	8340	8271
20°	8263	8079	7966
25°	8041	7814	7595
30°	7817	7474	7192
35°	7561	7125	6785
40°	7292	6798	6400
45°	7018	6456	6025
50°	6771	6121	5658
55°	6468	5776	5314
60°	6120	5445	4967
65°	5753	5077	4624
70°	5347	4670	4186
75°	4865	4226	3789
80°	4353	3701	3430
85°	3337	3038	2518

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7018 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	4.0
10°-20°	130.2	11.2
20°-30°	187.2	16.2
30°-40°	210.4	18.2
40°-50°	203.3	17.5
50°-60°	171.8	14.8
60°-70°	123.4	10.7
70°-80°	67.4	5.8
80°-90°	17.9	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°	364.2	31.4
0°-40°	574.6	49.6
0°-60°	949.7	82.0
0°-90°	1158.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1158.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	497	497	497	497	497	
5°	491	497	491	492	495	47
15°	466	470	462	458	459	131
25°	418	419	407	397	395	193
35°	356	352	335	322	319	222
45°	285	279	262	248	245	220
55°	213	205	190	178	175	190
65°	140	134	123	114	112	138
75°	72	68	63	58	56	77
85°	17	16	15	13	13	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	496.8	496.8	496.8	496.8	496.8
2.5°	493.4	499.4	494.9	495.6	496.5
5°	490.7	497.4	491.4	491.5	494.9
7.5°	487.2	493.5	486.0	484.7	487.8
10°	482.3	488.6	481.2	478.6	480.8
12.5°	475.9	481.9	474.8	470.6	472.6
15°	465.6	469.7	462.5	458.0	458.7
17.5°	454.3	456.8	446.6	442.7	442.0
20°	445.8	448.0	435.9	430.6	429.8
22.5°	434.8	436.8	424.0	417.5	416.4
25°	418.4	418.8	406.6	397.4	395.2
27.5°	401.2	400.0	386.5	375.7	372.8
30°	388.7	387.3	371.6	360.2	357.6
32.5°	375.4	372.7	357.0	344.6	342.0
35°	355.6	351.6	335.1	322.1	319.1
37.5°	334.7	330.0	313.9	299.7	296.4
40°	320.7	315.4	299.0	284.8	281.5
42.5°	306.7	300.9	284.1	269.9	266.3
45°	284.9	278.9	262.1	248.3	244.6
47.5°	264.2	256.6	240.2	226.5	222.8
50°	249.9	241.7	225.9	212.5	208.8
52.5°	235.3	226.8	211.6	198.9	195.1
55°	213.0	205.2	190.2	178.3	175.0
57.5°	190.9	183.4	169.7	158.4	155.1
60°	175.7	169.4	156.3	145.6	142.6
62.5°	161.1	155.4	142.9	133.1	130.2
65°	139.6	134.4	123.2	114.4	112.2
67.5°	118.7	113.5	104.5	96.6	94.0
70°	105.0	99.8	91.7	84.4	82.2
72.5°	91.9	86.4	79.8	73.1	71.5
75°	72.3	67.8	62.8	57.8	56.3
77.5°	54.9	50.6	46.9	43.4	43.1
80°	43.4	39.6	36.9	34.6	34.2
82.5°	32.4	29.6	27.8	26.1	26.0
85°	16.7	15.6	15.2	13.3	12.6
87.5°	4.9	4.9	4.3	3.7	3.7
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	18.35	19.93	18.71	20.24	20.55	17.25	18.83	17.61	19.14	19.46
	3H	20.04	21.46	20.42	21.79	22.15	18.83	20.25	19.20	20.58	20.94
	4H	20.70	22.04	21.10	22.39	22.76	19.43	20.77	19.83	21.12	21.49
	6H	21.14	22.38	21.55	22.74	23.13	19.84	21.07	20.25	21.44	21.83
	8H	21.31	22.49	21.73	22.88	23.28	19.99	21.18	20.42	21.57	21.96
	12H	21.40	22.53	21.83	22.92	23.34	20.08	21.21	20.51	21.59	22.02
4H	2H	18.84	20.17	19.23	20.52	20.90	17.96	19.30	18.36	19.65	20.02
	3H	20.77	21.88	21.18	22.28	22.68	19.76	20.88	20.17	21.27	21.67
	4H	21.54	22.55	21.97	22.96	23.40	20.46	21.47	20.89	21.88	22.32
	6H	22.10	22.98	22.55	23.42	23.88	20.97	21.85	21.43	22.29	22.75
	8H	22.32	23.14	22.78	23.58	24.05	21.18	22.00	21.64	22.44	22.91
	12H	22.46	23.19	22.94	23.67	24.14	21.30	22.04	21.78	22.51	22.98
8H	4H	21.75	22.57	22.21	23.02	23.48	20.79	21.61	21.25	22.05	22.52
	6H	22.42	23.10	22.91	23.59	24.07	21.42	22.10	21.91	22.59	23.07
	8H	22.72	23.33	23.23	23.84	24.32	21.70	22.31	22.21	22.82	23.31
	12H	22.92	23.46	23.43	23.95	24.52	21.88	22.42	22.39	22.91	23.48
12H	4H	21.76	22.50	22.24	22.98	23.45	20.82	21.56	21.30	22.04	22.51
	6H	22.45	23.07	22.96	23.57	24.06	21.49	22.10	22.00	22.61	23.09
	8H	22.80	23.34	23.31	23.84	24.40	21.83	22.37	22.33	22.86	23.42