

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: P1439306

Luminaire Tested: CB3-0U-XD-927-B10-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439306
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-927-B10-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE
3-INCH APERTURE
DOWNLIGHT UNDER 10W BATTERY POWER
DIRECT ONLY
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

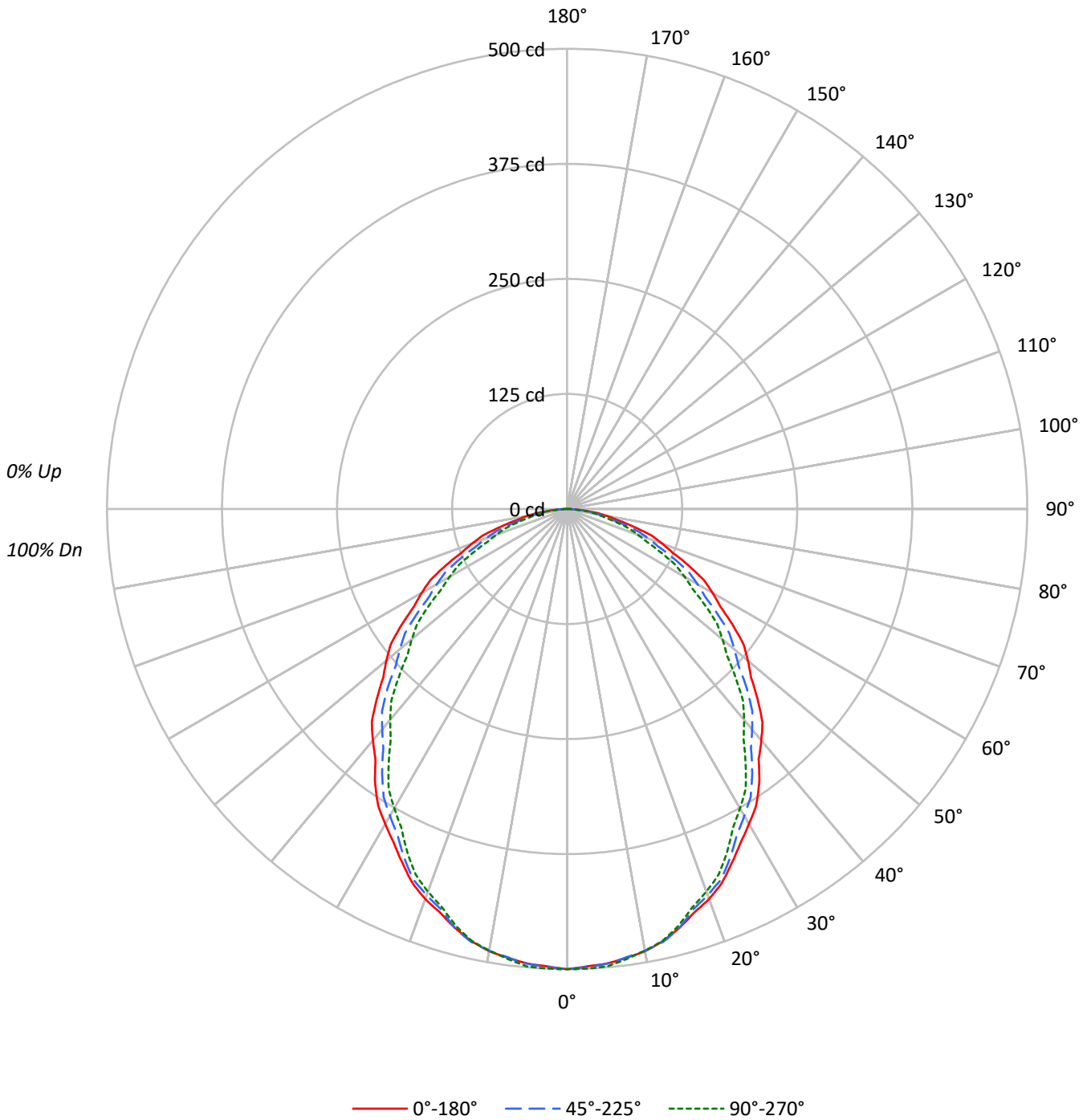
Lumens per Lamp: N/A
Luminaire Lumens: 1197.2 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 10
Input Voltage (V): 120
Input Current (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

TEST NUMBER: P1439306

CATALOG NUMBER: CB3-OU-XD-927-B10-UNV-STD-W-4

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°	5658	5658	5658
5°	5631	5635	5668
10°	5607	5599	5599
15°	5521	5521	5487
20°	5430	5375	5328
25°	5293	5227	5135
30°	5165	5030	4908
35°	5028	4841	4670
40°	4848	4616	4416
45°	4682	4416	4143
50°	4513	4175	3876
55°	4330	3943	3622
60°	4130	3704	3336
65°	3898	3432	3033
70°	3629	3113	2703
75°	3292	2732	2404
80°	2867	2294	2131
85°	2207	1934	1934

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4682 cd/sqm



TEST NUMBER: P1439306

CATALOG NUMBER: CB3-OU-XD-927-B10-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	3.9
10°-20°	132.6	11.1
20°-30°	192.6	16.1
30°-40°	219.0	18.3
40°-50°	212.5	17.8
50°-60°	179.5	15.0
60°-70°	127.7	10.7
70°-80°	68.2	5.7
80°-90°	18.0	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°	372.3	31.1
0°-40°	591.3	49.4
0°-60°	983.3	82.1
0°-90°	1197.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1197.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	500	500	500	500	500	
5°	496	502	496	496	499	47
15°	471	476	471	468	468	133
25°	424	425	419	413	411	195
35°	364	361	350	340	338	227
45°	293	288	276	263	259	226
55°	220	214	200	187	184	196
65°	146	140	128	117	113	144
75°	75	71	62	56	55	80
85°	17	16	15	15	15	21
90°	0	0	0	0	0	



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CATALOG NUMBER: CB3-OU-XD-927-B10-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	500.1	500.1	500.1	500.1	500.1
2.5°	497.5	502.5	498.1	498.7	499.8
5°	495.8	502.0	496.1	495.5	499.0
7.5°	492.0	497.6	491.5	490.1	493.2
10°	488.0	494.2	487.3	485.5	487.3
12.5°	480.9	487.4	481.9	479.0	480.4
15°	471.3	475.5	471.3	468.4	468.4
17.5°	459.6	463.9	456.1	454.1	453.3
20°	451.0	454.9	446.4	443.6	442.5
22.5°	439.7	443.2	436.2	431.3	430.0
25°	424.0	425.4	418.7	413.0	411.3
27.5°	408.4	408.7	399.5	392.5	390.2
30°	395.3	395.6	385.0	377.5	375.7
32.5°	382.2	381.2	371.1	362.2	361.0
35°	364.0	360.6	350.5	340.2	338.1
37.5°	342.1	340.0	328.2	317.8	314.7
40°	328.2	324.7	312.5	302.2	299.0
42.5°	314.2	310.2	297.8	286.2	282.8
45°	292.6	288.1	276.0	262.7	258.9
47.5°	270.9	266.0	252.6	239.8	235.5
50°	256.4	251.2	237.2	224.7	220.2
52.5°	241.6	236.2	222.2	209.4	205.7
55°	219.5	213.6	199.9	187.1	183.6
57.5°	197.3	191.5	177.9	165.8	161.6
60°	182.5	177.0	163.7	151.6	147.4
62.5°	167.5	162.2	149.2	137.4	133.5
65°	145.6	140.4	128.2	116.8	113.3
67.5°	123.9	119.5	107.5	97.0	94.2
70°	109.7	105.6	94.1	84.5	81.7
72.5°	96.1	91.7	80.8	72.5	70.6
75°	75.3	71.1	62.5	56.1	55.0
77.5°	56.3	52.9	45.4	41.8	41.2
80°	44.0	40.9	35.2	32.7	32.7
82.5°	32.7	30.1	26.4	25.3	25.3
85°	17.0	15.7	14.9	14.9	14.9
87.5°	5.1	5.1	4.8	4.5	4.5
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	17.02	18.60	17.38	18.91	19.23	15.94	17.52	16.31	17.84	18.15
	3H	18.73	20.16	19.11	20.49	20.85	17.41	18.83	17.78	19.16	19.52
	4H	19.40	20.73	19.79	21.08	21.46	17.95	19.29	18.35	19.64	20.02
	6H	19.82	21.06	20.23	21.42	21.81	18.31	19.54	18.72	19.91	20.30
	8H	19.97	21.15	20.40	21.54	21.94	18.45	19.63	18.87	20.02	20.42
	12H	20.06	21.19	20.49	21.58	22.00	18.55	19.68	18.98	20.06	20.49
4H	2H	17.51	18.85	17.91	19.19	19.57	16.65	17.99	17.05	18.34	18.71
	3H	19.46	20.58	19.87	20.97	21.37	18.33	19.45	18.74	19.85	20.25
	4H	20.23	21.24	20.67	21.66	22.09	18.96	19.97	19.40	20.39	20.82
	6H	20.78	21.65	21.23	22.10	22.55	19.42	20.29	19.87	20.74	21.19
	8H	20.98	21.80	21.44	22.25	22.71	19.60	20.42	20.06	20.87	21.33
	12H	21.11	21.85	21.59	22.33	22.80	19.74	20.48	20.22	20.95	21.42
8H	4H	20.42	21.24	20.88	21.68	22.15	19.28	20.10	19.74	20.54	21.01
	6H	21.07	21.75	21.56	22.24	22.71	19.84	20.52	20.33	21.01	21.48
	8H	21.35	21.96	21.86	22.47	22.95	20.09	20.71	20.61	21.21	21.70
	12H	21.54	22.08	22.05	22.57	23.14	20.30	20.84	20.81	21.33	21.90
12H	4H	20.42	21.16	20.91	21.64	22.11	19.32	20.05	19.80	20.53	21.00
	6H	21.09	21.70	21.60	22.21	22.69	19.90	20.51	20.41	21.02	21.51
	8H	21.42	21.96	21.93	22.45	23.01	20.21	20.75	20.72	21.25	21.81