

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: P1438786

Luminaire Tested: CB2-0U-XD-927-B10-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438786
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-927-B10-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE
2-INCH APERTURE
DOWNLIGHT UNDER 10W BATTERY POWER
DIRECT ONLY
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

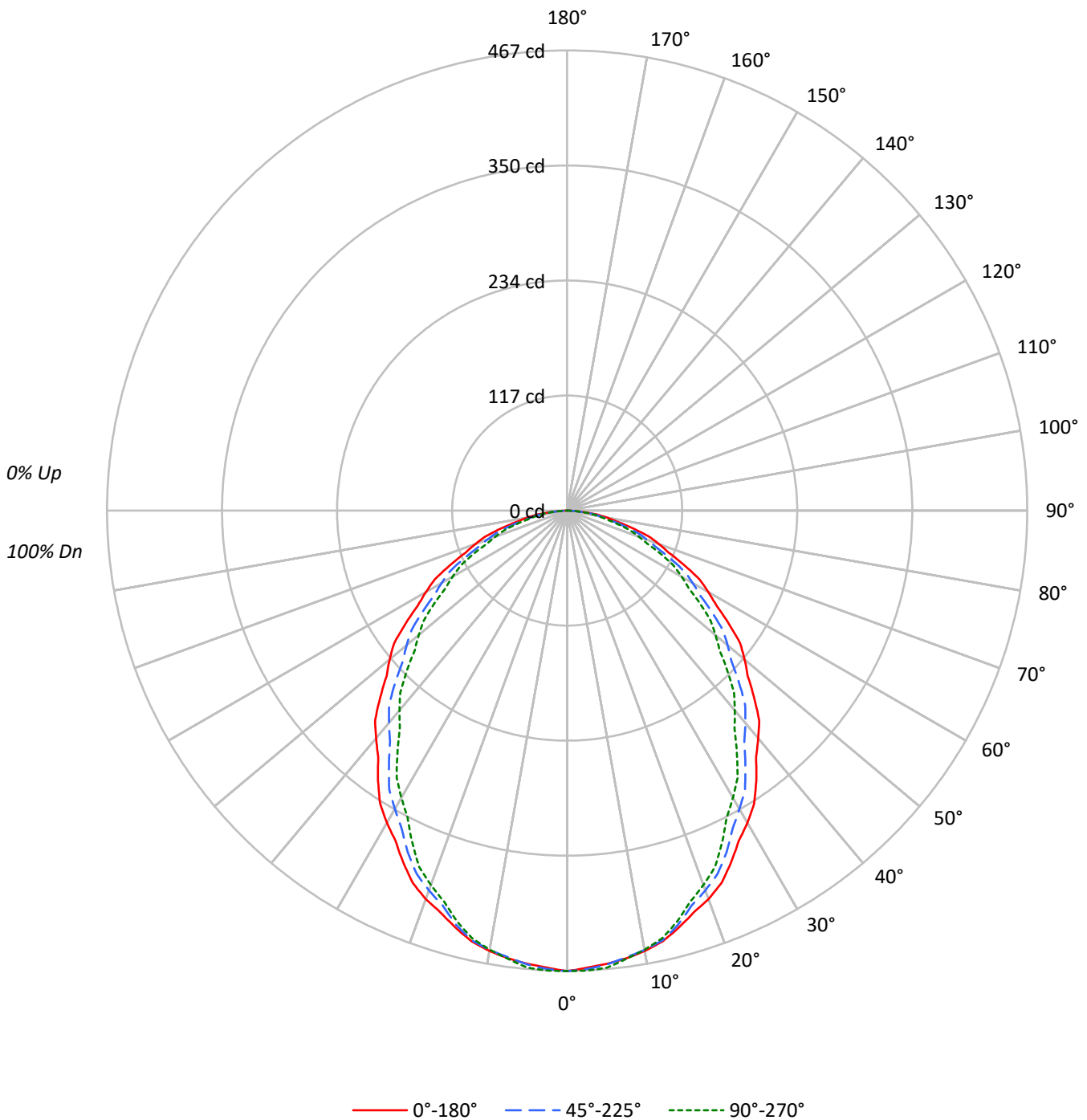
Lumens per Lamp: N/A
Luminaire Lumens: 1090.0 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Direct

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°	8141	8141	8141
5°	8072	8085	8140
10°	8026	8006	8001
15°	7900	7847	7783
20°	7775	7603	7496
25°	7566	7353	7147
30°	7357	7033	6766
35°	7114	6704	6385
40°	6860	6396	6021
45°	6604	6074	5668
50°	6370	5761	5324
55°	6085	5436	4998
60°	5762	5124	4675
65°	5415	4781	4352
70°	5031	4395	3936
75°	4576	3977	3567
80°	4092	3480	3230
85°	3138	2858	2358

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6604 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.0	4.0
10°-20°	122.5	11.2
20°-30°	176.2	16.2
30°-40°	198.0	18.2
40°-50°	191.3	17.5
50°-60°	161.6	14.8
60°-70°	116.1	10.7
70°-80°	63.5	5.8
80°-90°	16.8	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°	342.7	31.4
0°-40°	540.7	49.6
0°-60°	893.6	82.0
0°-90°	1090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1090.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	467	467	467	467	467	
5°	462	468	462	462	466	44
15°	438	442	435	431	432	123
25°	394	394	383	374	372	181
35°	335	331	315	303	300	209
45°	268	262	247	234	230	207
55°	200	193	179	168	165	179
65°	131	126	116	108	106	130
75°	68	64	59	54	53	73
85°	16	15	14	12	12	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	467.4	467.4	467.4	467.4	467.4
2.5°	464.3	469.9	465.7	466.3	467.1
5°	461.7	468.0	462.4	462.5	465.6
7.5°	458.4	464.4	457.3	456.0	459.0
10°	453.8	459.8	452.7	450.3	452.4
12.5°	447.8	453.5	446.7	442.8	444.7
15°	438.1	441.9	435.2	430.9	431.6
17.5°	427.5	429.9	420.2	416.6	415.9
20°	419.5	421.6	410.2	405.1	404.4
22.5°	409.2	411.0	399.0	392.8	391.8
25°	393.7	394.0	382.6	374.0	371.9
27.5°	377.5	376.4	363.7	353.5	350.7
30°	365.8	364.4	349.7	338.9	336.4
32.5°	353.2	350.7	335.9	324.3	321.8
35°	334.6	330.8	315.3	303.1	300.3
37.5°	314.9	310.5	295.3	282.0	278.9
40°	301.7	296.8	281.3	268.0	264.8
42.5°	288.5	283.1	267.3	254.0	250.5
45°	268.1	262.5	246.6	233.6	230.1
47.5°	248.6	241.5	226.1	213.2	209.7
50°	235.1	227.4	212.6	200.0	196.5
52.5°	221.4	213.4	199.1	187.1	183.6
55°	200.4	193.1	179.0	167.8	164.6
57.5°	179.7	172.6	159.7	149.0	146.0
60°	165.4	159.4	147.1	137.0	134.2
62.5°	151.6	146.2	134.5	125.3	122.5
65°	131.4	126.5	116.0	107.7	105.6
67.5°	111.7	106.8	98.3	90.9	88.5
70°	98.8	93.9	86.3	79.4	77.3
72.5°	86.5	81.3	75.1	68.8	67.3
75°	68.0	63.8	59.1	54.4	53.0
77.5°	51.7	47.6	44.2	40.9	40.5
80°	40.8	37.3	34.7	32.6	32.2
82.5°	30.5	27.8	26.1	24.6	24.5
85°	15.7	14.7	14.3	12.5	11.8
87.5°	4.6	4.6	4.0	3.4	3.4
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	18.14	19.72	18.50	20.03	20.34	17.04	18.61	17.40	18.93	19.24
	3H	19.83	21.25	20.21	21.58	21.94	18.61	20.04	18.99	20.36	20.72
	4H	20.49	21.83	20.89	22.18	22.55	19.22	20.56	19.62	20.90	21.28
	6H	20.93	22.17	21.34	22.53	22.92	19.62	20.86	20.03	21.23	21.62
	8H	21.09	22.28	21.52	22.67	23.07	19.78	20.96	20.21	21.35	21.75
	12H	21.19	22.32	21.62	22.70	23.13	19.87	21.00	20.30	21.38	21.81
4H	2H	18.63	19.96	19.02	20.31	20.69	17.75	19.09	18.15	19.44	19.81
	3H	20.56	21.67	20.97	22.07	22.47	19.55	20.66	19.96	21.06	21.46
	4H	21.33	22.34	21.76	22.75	23.19	20.25	21.26	20.68	21.67	22.11
	6H	21.89	22.77	22.34	23.21	23.67	20.76	21.64	21.22	22.08	22.54
	8H	22.11	22.93	22.57	23.37	23.84	20.97	21.79	21.43	22.23	22.70
	12H	22.25	22.98	22.73	23.46	23.93	21.09	21.83	21.57	22.30	22.77
8H	4H	21.54	22.36	22.00	22.80	23.27	20.58	21.40	21.04	21.84	22.31
	6H	22.21	22.89	22.70	23.38	23.86	21.21	21.89	21.70	22.38	22.86
	8H	22.50	23.12	23.02	23.62	24.11	21.49	22.10	22.00	22.61	23.10
	12H	22.71	23.25	23.22	23.74	24.31	21.67	22.21	22.18	22.70	23.27
12H	4H	21.55	22.29	22.03	22.77	23.24	20.61	21.35	21.09	21.83	22.30
	6H	22.24	22.85	22.75	23.36	23.85	21.28	21.89	21.79	22.40	22.88
	8H	22.59	23.13	23.10	23.62	24.19	21.62	22.16	22.12	22.65	23.21