

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: P1439312

Luminaire Tested: CB3-0U-XD-940-B10-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439312
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-940-B10-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE
3-INCH APERTURE
DOWNLIGHT UNDER 10W BATTERY POWER
DIRECT ONLY
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

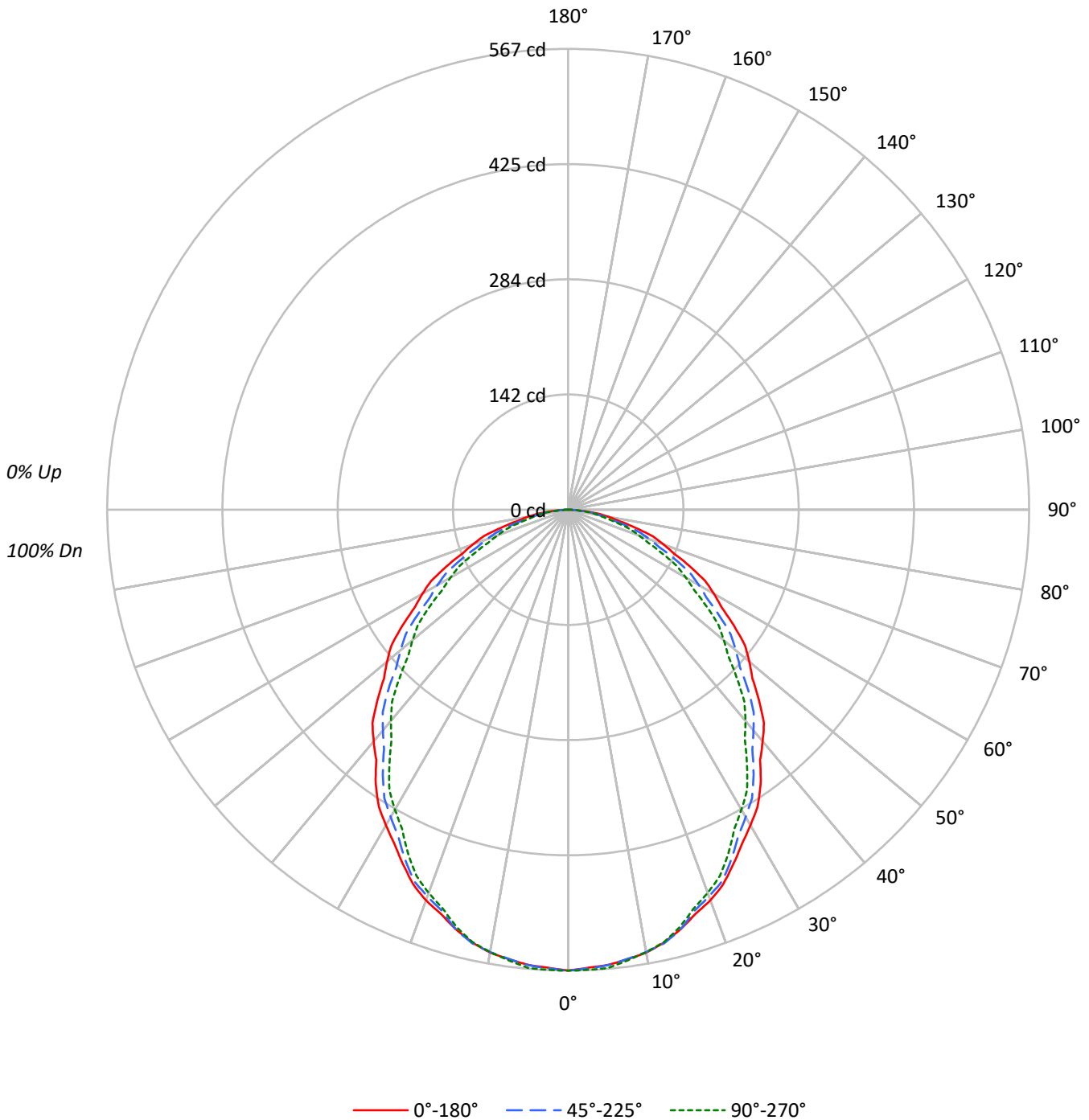
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1357.7 lumens
Efficiency: N/A
Efficacy: 135.8 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

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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°	6416	6416	6416
5°	6385	6390	6427
10°	6358	6349	6349
15°	6260	6260	6222
20°	6159	6096	6042
25°	6004	5928	5823
30°	5857	5704	5567
35°	5702	5490	5296
40°	5496	5235	5009
45°	5311	5007	4698
50°	5119	4735	4395
55°	4910	4472	4107
60°	4684	4202	3781
65°	4420	3893	3440
70°	4115	3530	3063
75°	3733	3099	2728
80°	3251	2600	2417
85°	2506	2194	2194

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5311 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.5	3.9
10°-20°	150.3	11.1
20°-30°	218.4	16.1
30°-40°	248.3	18.3
40°-50°	241.0	17.8
50°-60°	203.5	15.0
60°-70°	144.8	10.7
70°-80°	77.4	5.7
80°-90°	20.4	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°	422.2	31.1
0°-40°	670.5	49.4
0°-60°	1115.1	82.1
0°-90°	1357.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1357.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	567	567	567	567	567	
5°	562	569	563	562	566	53
15°	534	539	534	531	531	151
25°	481	482	475	468	466	222
35°	413	409	398	386	383	257
45°	332	327	313	298	294	256
55°	249	242	227	212	208	223
65°	165	159	145	132	128	164
75°	85	81	71	64	62	91
85°	19	18	17	17	17	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	567.1	567.1	567.1	567.1	567.1
2.5°	564.2	569.8	564.8	565.5	566.7
5°	562.2	569.3	562.6	561.9	565.9
7.5°	557.9	564.3	557.4	555.8	559.3
10°	553.4	560.5	552.6	550.6	552.6
12.5°	545.3	552.7	546.4	543.2	544.8
15°	534.4	539.2	534.4	531.2	531.2
17.5°	521.2	526.1	517.2	514.9	514.1
20°	511.5	515.8	506.3	503.0	501.8
22.5°	498.6	502.6	494.7	489.1	487.6
25°	480.9	482.5	474.8	468.4	466.4
27.5°	463.1	463.5	453.0	445.1	442.5
30°	448.3	448.7	436.6	428.1	426.1
32.5°	433.4	432.3	420.8	410.7	409.4
35°	412.8	408.9	397.5	385.8	383.4
37.5°	387.9	385.6	372.1	360.4	356.8
40°	372.1	368.2	354.4	342.7	339.1
42.5°	356.4	351.8	337.7	324.6	320.7
45°	331.9	326.7	312.9	297.9	293.6
47.5°	307.2	301.6	286.4	271.9	267.1
50°	290.8	284.9	269.0	254.8	249.7
52.5°	274.0	267.8	252.0	237.4	233.3
55°	248.9	242.2	226.7	212.2	208.2
57.5°	223.8	217.2	201.8	188.0	183.3
60°	207.0	200.7	185.7	171.9	167.1
62.5°	189.9	184.0	169.2	155.8	151.4
65°	165.1	159.2	145.4	132.4	128.5
67.5°	140.6	135.5	121.9	110.0	106.8
70°	124.4	119.7	106.7	95.8	92.6
72.5°	109.0	103.9	91.6	82.3	80.1
75°	85.4	80.7	70.9	63.6	62.4
77.5°	63.8	59.9	51.5	47.3	46.7
80°	49.9	46.4	39.9	37.1	37.1
82.5°	37.1	34.1	29.9	28.7	28.7
85°	19.3	17.8	16.9	16.9	16.9
87.5°	5.8	5.8	5.5	5.2	5.2
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	17.46	19.04	17.82	19.35	19.67	16.38	17.96	16.74	18.27	18.59
	3H	19.17	20.60	19.55	20.92	21.28	17.84	19.27	18.22	19.59	19.95
	4H	19.83	21.17	20.23	21.52	21.90	18.39	19.73	18.79	20.08	20.45
	6H	20.25	21.49	20.66	21.86	22.25	18.74	19.98	19.15	20.35	20.74
	8H	20.41	21.59	20.84	21.98	22.38	18.88	20.07	19.31	20.46	20.86
	12H	20.50	21.63	20.93	22.01	22.44	18.98	20.11	19.41	20.50	20.93
4H	2H	17.95	19.28	18.34	19.63	20.01	17.09	18.43	17.49	18.77	19.15
	3H	19.90	21.01	20.31	21.41	21.81	18.77	19.88	19.18	20.28	20.68
	4H	20.67	21.68	21.10	22.09	22.53	19.40	20.41	19.83	20.82	21.26
	6H	21.21	22.09	21.67	22.53	22.99	19.85	20.73	20.31	21.17	21.63
	8H	21.42	22.24	21.88	22.68	23.15	20.04	20.86	20.50	21.30	21.77
	12H	21.55	22.29	22.03	22.76	23.23	20.18	20.91	20.66	21.39	21.86
8H	4H	20.86	21.68	21.32	22.12	22.59	19.72	20.54	20.18	20.98	21.45
	6H	21.50	22.18	22.00	22.67	23.15	20.27	20.95	20.77	21.44	21.92
	8H	21.78	22.39	22.29	22.90	23.39	20.53	21.14	21.04	21.65	22.14
	12H	21.98	22.52	22.49	23.01	23.57	20.74	21.28	21.25	21.77	22.33
12H	4H	20.86	21.60	21.34	22.08	22.55	19.75	20.49	20.23	20.97	21.44
	6H	21.52	22.14	22.03	22.64	23.13	20.33	20.95	20.85	21.45	21.94
	8H	21.86	22.40	22.36	22.89	23.45	20.65	21.19	21.16	21.68	22.24