

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: P1439308

Luminaire Tested: CB3-0U-XD-930-B10-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439308
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-B10-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE
3-INCH APERTURE
DOWNLIGHT UNDER 10W BATTERY POWER
DIRECT ONLY
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

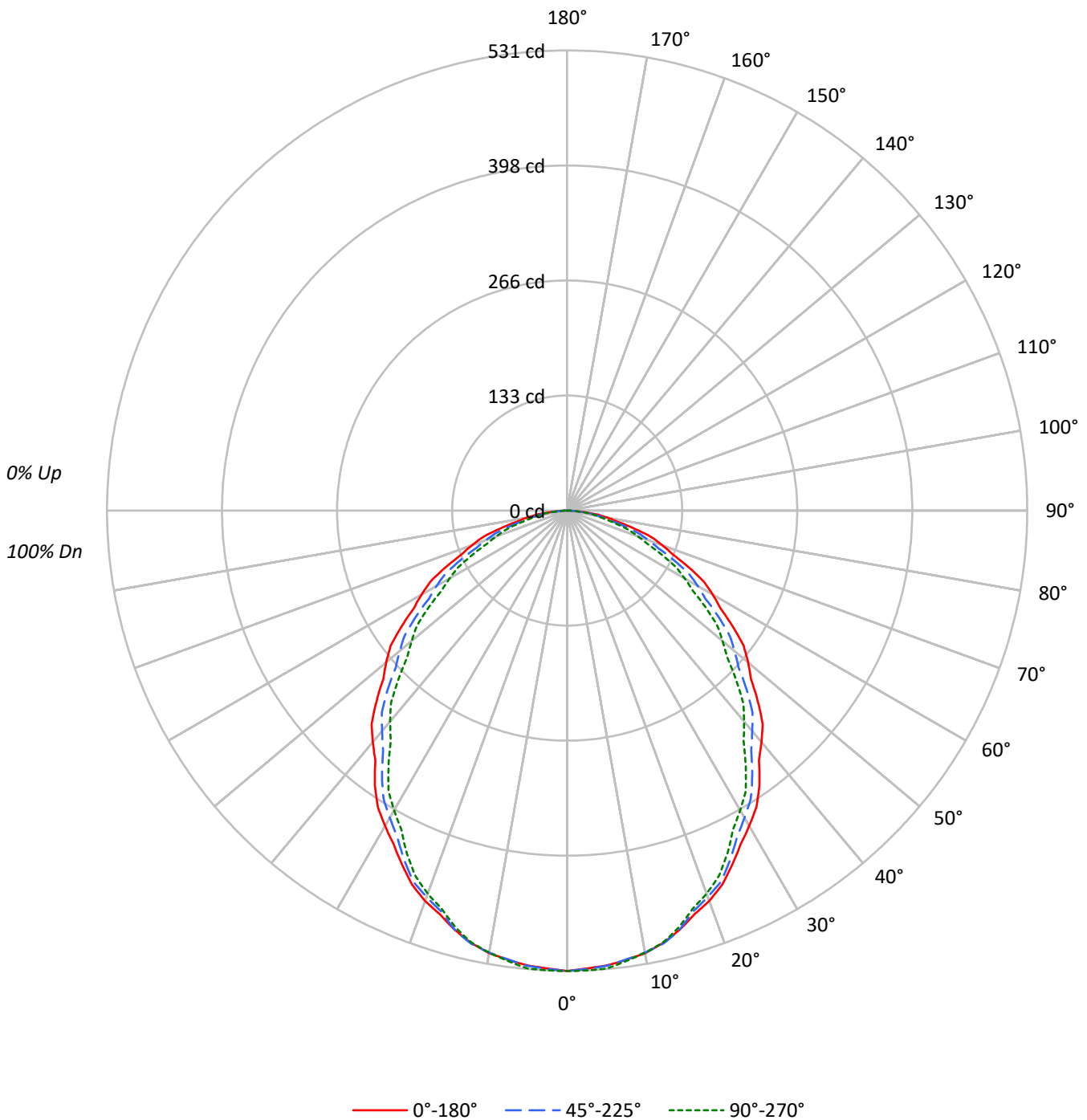
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1272.3 lumens
Efficiency: N/A
Efficacy: 127.2 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°	6013	6013	6013
5°	5984	5989	6023
10°	5958	5950	5950
15°	5867	5867	5832
20°	5772	5712	5663
25°	5627	5555	5457
30°	5489	5346	5217
35°	5344	5145	4963
40°	5152	4907	4694
45°	4976	4693	4404
50°	4797	4438	4119
55°	4602	4192	3849
60°	4390	3937	3544
65°	4144	3649	3223
70°	3857	3308	2871
75°	3497	2903	2557
80°	3049	2437	2261
85°	2350	2064	2064

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4976 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	3.9
10°-20°	140.9	11.1
20°-30°	204.7	16.1
30°-40°	232.7	18.3
40°-50°	225.9	17.8
50°-60°	190.7	15.0
60°-70°	135.7	10.7
70°-80°	72.5	5.7
80°-90°	19.2	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°	395.7	31.1
0°-40°	628.4	49.4
0°-60°	1045.0	82.1
0°-90°	1272.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1272.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	531	531	531	531	531	
5°	527	534	527	527	530	50
15°	501	505	501	498	498	141
25°	451	452	445	439	437	208
35°	387	383	372	362	359	241
45°	311	306	293	279	275	240
55°	233	227	212	199	195	209
65°	155	149	136	124	120	153
75°	80	76	66	60	58	85
85°	18	17	16	16	16	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	531.4	531.4	531.4	531.4	531.4
2.5°	528.7	534.0	529.3	530.0	531.1
5°	526.9	533.6	527.3	526.6	530.3
7.5°	522.8	528.9	522.4	520.9	524.2
10°	518.6	525.3	517.9	516.0	517.9
12.5°	511.1	518.0	512.1	509.1	510.6
15°	500.9	505.3	500.9	497.9	497.9
17.5°	488.4	493.1	484.7	482.6	481.8
20°	479.4	483.4	474.4	471.4	470.3
22.5°	467.3	471.0	463.6	458.4	457.0
25°	450.7	452.1	445.0	438.9	437.1
27.5°	434.0	434.4	424.6	417.2	414.7
30°	420.1	420.5	409.2	401.2	399.3
32.5°	406.2	405.1	394.4	384.9	383.6
35°	386.9	383.2	372.5	361.5	359.3
37.5°	363.6	361.3	348.8	337.7	334.4
40°	348.8	345.1	332.2	321.1	317.8
42.5°	334.0	329.7	316.5	304.2	300.6
45°	311.0	306.2	293.3	279.2	275.2
47.5°	287.9	282.7	268.4	254.8	250.3
50°	272.5	267.0	252.1	238.8	234.0
52.5°	256.8	251.0	236.1	222.5	218.6
55°	233.3	227.0	212.5	198.8	195.1
57.5°	209.7	203.5	189.1	176.2	171.7
60°	194.0	188.1	174.0	161.1	156.6
62.5°	178.0	172.4	158.6	146.0	141.8
65°	154.8	149.2	136.3	124.1	120.4
67.5°	131.7	127.0	114.2	103.1	100.1
70°	116.6	112.2	100.0	89.8	86.8
72.5°	102.1	97.4	85.8	77.1	75.0
75°	80.0	75.6	66.4	59.6	58.5
77.5°	59.8	56.2	48.2	44.4	43.8
80°	46.8	43.5	37.4	34.7	34.7
82.5°	34.7	32.0	28.0	26.9	26.9
85°	18.1	16.6	15.9	15.9	15.9
87.5°	5.4	5.4	5.1	4.8	4.8
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	17.23	18.81	17.59	19.12	19.44	16.15	17.73	16.52	18.05	18.36
	3H	18.95	20.37	19.32	20.70	21.06	17.62	19.04	17.99	19.37	19.73
	4H	19.61	20.95	20.01	21.29	21.67	18.16	19.50	18.56	19.85	20.23
	6H	20.03	21.27	20.44	21.63	22.02	18.52	19.76	18.93	20.12	20.51
	8H	20.18	21.37	20.61	21.75	22.15	18.66	19.84	19.08	20.23	20.63
	12H	20.27	21.41	20.70	21.79	22.22	18.76	19.89	19.19	20.27	20.70
4H	2H	17.72	19.06	18.12	19.41	19.78	16.86	18.20	17.26	18.55	18.92
	3H	19.67	20.79	20.08	21.19	21.59	18.54	19.66	18.95	20.06	20.46
	4H	20.45	21.45	20.88	21.87	22.31	19.18	20.18	19.61	20.60	21.03
	6H	20.99	21.87	21.44	22.31	22.76	19.63	20.51	20.08	20.95	21.40
	8H	21.19	22.02	21.66	22.46	22.92	19.81	20.63	20.27	21.08	21.54
	12H	21.32	22.06	21.81	22.54	23.01	19.95	20.69	20.43	21.16	21.63
8H	4H	20.63	21.45	21.09	21.89	22.36	19.49	20.31	19.95	20.76	21.22
	6H	21.28	21.96	21.77	22.45	22.92	20.05	20.73	20.54	21.22	21.69
	8H	21.56	22.17	22.07	22.68	23.16	20.31	20.92	20.82	21.42	21.91
	12H	21.75	22.29	22.26	22.79	23.35	20.51	21.06	21.02	21.55	22.11
12H	4H	20.64	21.37	21.12	21.85	22.32	19.53	20.26	20.01	20.74	21.21
	6H	21.30	21.91	21.81	22.42	22.90	20.11	20.72	20.62	21.23	21.72
	8H	21.63	22.17	22.14	22.66	23.22	20.42	20.96	20.93	21.46	22.02