

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: P1439311

Luminaire Tested: CB3-0U-XD-940-B06-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439311
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-B06-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE
3-INCH APERTURE
DOWNLIGHT UNDER 6W BATTERY POWER
DIRECT ONLY
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

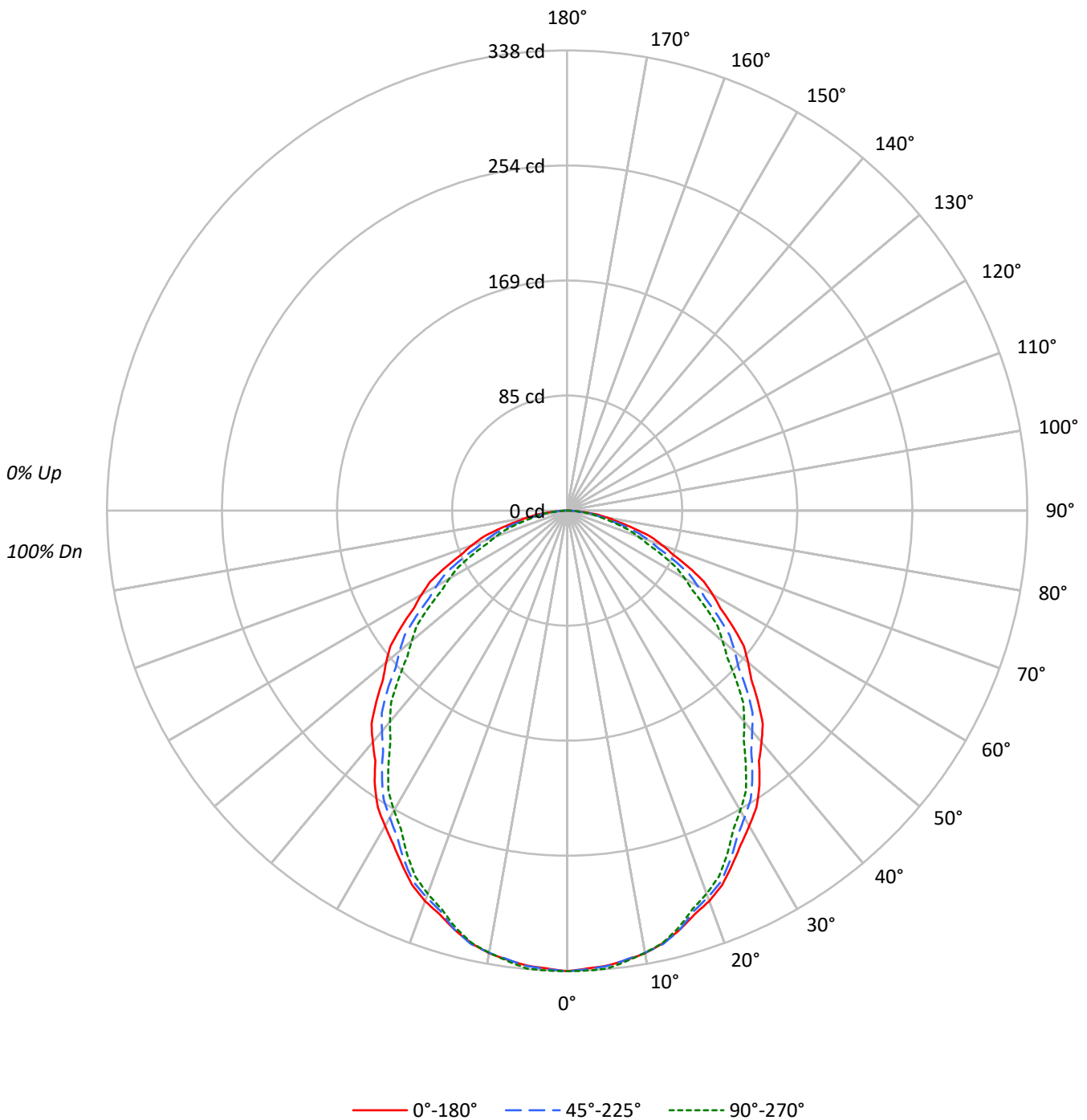
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 810.2 lumens
Efficiency: N/A
Efficacy: 135.0 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): 6
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	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°	3829	3829	3829
5°	3811	3814	3836
10°	3794	3789	3789
15°	3736	3736	3713
20°	3675	3638	3606
25°	3583	3538	3474
30°	3495	3403	3322
35°	3403	3276	3160
40°	3280	3124	2989
45°	3170	2989	2803
50°	3054	2827	2623
55°	2929	2669	2452
60°	2795	2507	2256
65°	2637	2324	2053
70°	2458	2107	1829
75°	2230	1849	1631
80°	1942	1551	1440
85°	1493	1311	1311

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3170 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.9	3.9
10°-20°	89.7	11.1
20°-30°	130.3	16.1
30°-40°	148.2	18.3
40°-50°	143.8	17.8
50°-60°	121.4	15.0
60°-70°	86.4	10.7
70°-80°	46.2	5.7
80°-90°	12.2	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°	252.0	31.1
0°-40°	400.1	49.4
0°-60°	665.4	82.1
0°-90°	810.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	810.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	338	338	338	338	338	
5°	336	340	336	335	338	32
15°	319	322	319	317	317	90
25°	287	288	283	280	278	132
35°	246	244	237	230	229	154
45°	198	195	187	178	175	153
55°	148	144	135	127	124	133
65°	98	95	87	79	77	98
75°	51	48	42	38	37	54
85°	12	11	10	10	10	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	338.4	338.4	338.4	338.4	338.4
2.5°	336.7	340.1	337.1	337.5	338.2
5°	335.5	339.8	335.8	335.3	337.7
7.5°	332.9	336.8	332.6	331.7	333.8
10°	330.2	334.5	329.8	328.6	329.8
12.5°	325.4	329.9	326.1	324.2	325.1
15°	318.9	321.8	318.9	317.0	317.0
17.5°	311.0	314.0	308.7	307.3	306.8
20°	305.2	307.8	302.1	300.2	299.5
22.5°	297.6	300.0	295.2	291.9	291.0
25°	287.0	287.9	283.4	279.5	278.3
27.5°	276.4	276.6	270.3	265.7	264.1
30°	267.5	267.7	260.5	255.5	254.3
32.5°	258.7	258.0	251.1	245.1	244.3
35°	246.4	244.0	237.2	230.2	228.8
37.5°	231.5	230.1	222.1	215.1	213.0
40°	222.1	219.7	211.5	204.5	202.4
42.5°	212.7	209.9	201.5	193.7	191.4
45°	198.1	195.0	186.8	177.8	175.2
47.5°	183.3	180.0	170.9	162.3	159.4
50°	173.5	170.0	160.6	152.1	149.0
52.5°	163.5	159.8	150.4	141.7	139.2
55°	148.5	144.5	135.3	126.6	124.3
57.5°	133.5	129.6	120.4	112.2	109.4
60°	123.5	119.8	110.8	102.6	99.7
62.5°	113.4	109.8	101.0	93.0	90.3
65°	98.5	95.0	86.8	79.0	76.7
67.5°	83.9	80.9	72.7	65.6	63.7
70°	74.3	71.4	63.7	57.2	55.3
72.5°	65.0	62.0	54.7	49.1	47.8
75°	51.0	48.1	42.3	38.0	37.3
77.5°	38.1	35.8	30.7	28.3	27.9
80°	29.8	27.7	23.8	22.1	22.1
82.5°	22.1	20.4	17.8	17.1	17.1
85°	11.5	10.6	10.1	10.1	10.1
87.5°	3.5	3.5	3.3	3.1	3.1
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	15.66	17.24	16.03	17.56	17.87	14.59	16.17	14.95	16.48	16.79
	3H	17.38	18.80	17.76	19.13	19.49	16.05	17.47	16.42	17.80	18.16
	4H	18.04	19.38	18.44	19.73	20.10	16.60	17.94	17.00	18.28	18.66
	6H	18.46	19.70	18.87	20.06	20.46	16.95	18.19	17.36	18.55	18.94
	8H	18.62	19.80	19.04	20.19	20.59	17.09	18.27	17.52	18.66	19.06
	12H	18.71	19.84	19.14	20.22	20.65	17.19	18.32	17.62	18.70	19.13
4H	2H	16.15	17.49	16.55	17.84	18.21	15.29	16.63	15.69	16.98	17.36
	3H	18.10	19.22	18.51	19.62	20.02	16.97	18.09	17.38	18.49	18.89
	4H	18.88	19.89	19.31	20.30	20.74	17.61	18.62	18.04	19.03	19.47
	6H	19.42	20.30	19.87	20.74	21.20	18.06	18.94	18.51	19.38	19.84
	8H	19.63	20.45	20.09	20.89	21.36	18.24	19.07	18.71	19.51	19.98
	12H	19.76	20.49	20.24	20.97	21.44	18.38	19.12	18.86	19.60	20.07
8H	4H	19.06	19.88	19.52	20.33	20.79	17.92	18.75	18.39	19.19	19.66
	6H	19.71	20.39	20.20	20.88	21.36	18.48	19.16	18.98	19.65	20.13
	8H	19.99	20.60	20.50	21.11	21.60	18.74	19.35	19.25	19.86	20.34
	12H	20.19	20.73	20.69	21.22	21.78	18.95	19.49	19.45	19.98	20.54
12H	4H	19.07	19.80	19.55	20.28	20.75	17.96	18.70	18.44	19.17	19.64
	6H	19.73	20.34	20.24	20.85	21.34	18.54	19.15	19.05	19.66	20.15
	8H	20.06	20.60	20.57	21.09	21.66	18.86	19.40	19.36	19.89	20.45