

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: P1439305

Luminaire Tested: CB3-0U-XD-927-B06-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439305
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-B06-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE
3-INCH APERTURE
DOWNLIGHT UNDER 6W BATTERY POWER
DIRECT ONLY
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

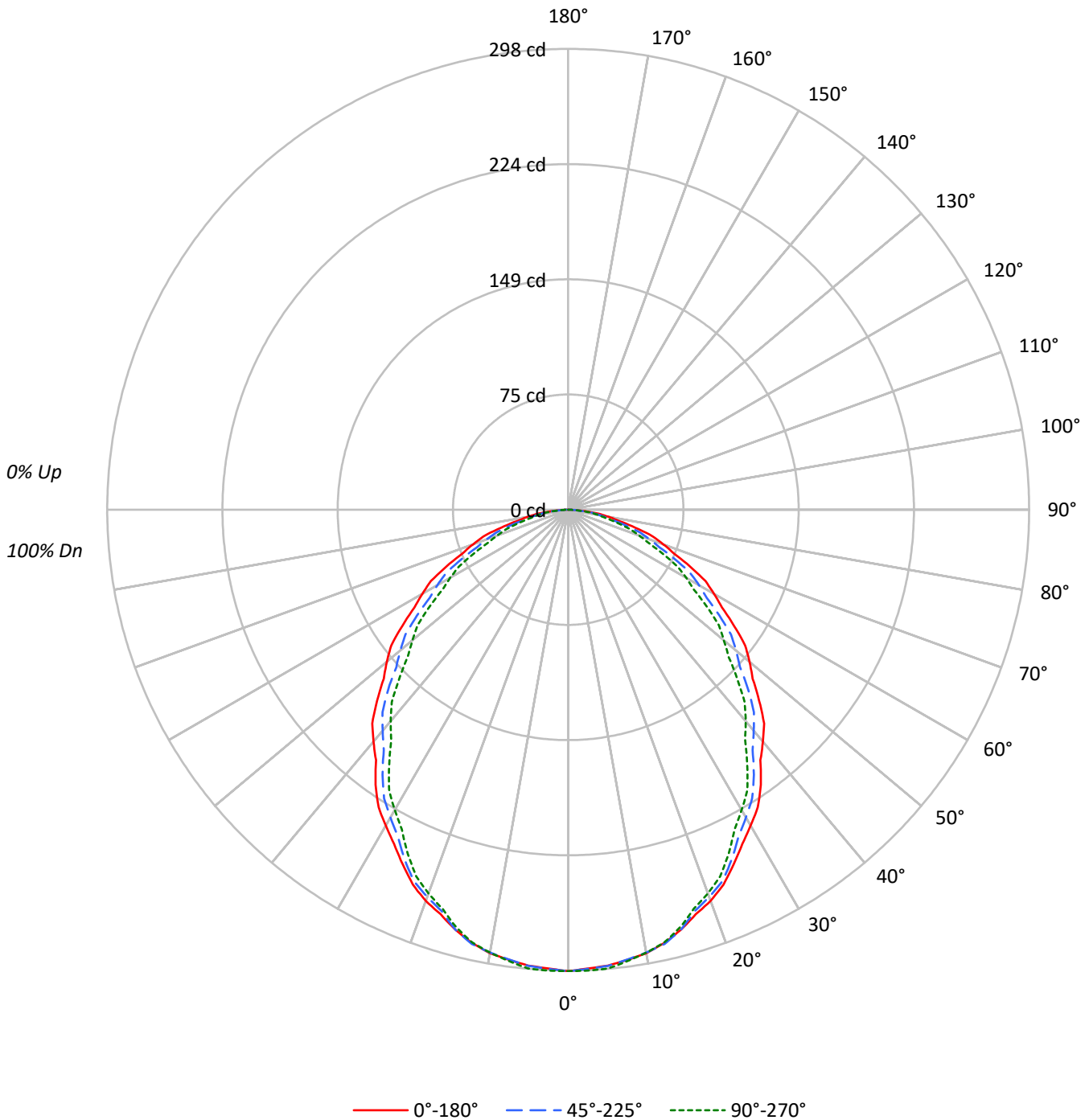
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 714.5 lumens
Efficiency: N/A
Efficacy: 119.1 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°	3376	3376	3376
5°	3361	3363	3382
10°	3346	3341	3341
15°	3295	3295	3275
20°	3241	3208	3180
25°	3160	3120	3064
30°	3082	3002	2929
35°	3000	2890	2787
40°	2892	2755	2636
45°	2794	2635	2472
50°	2693	2492	2313
55°	2584	2353	2162
60°	2464	2211	1991
65°	2327	2048	1810
70°	2167	1859	1611
75°	1963	1631	1438
80°	1714	1368	1271
85°	1324	1155	1155

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2794 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	3.9
10°-20°	79.1	11.1
20°-30°	114.9	16.1
30°-40°	130.7	18.3
40°-50°	126.8	17.8
50°-60°	107.1	15.0
60°-70°	76.2	10.7
70°-80°	40.7	5.7
80°-90°	10.8	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°	222.2	31.1
0°-40°	352.9	49.4
0°-60°	586.8	82.1
0°-90°	714.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	714.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	298	298	298	298	298	
5°	296	300	296	296	298	28
15°	281	284	281	280	280	79
25°	253	254	250	246	245	117
35°	217	215	209	203	202	135
45°	175	172	165	157	154	135
55°	131	128	119	112	110	117
65°	87	84	76	70	68	86
75°	45	42	37	34	33	48
85°	10	9	9	9	9	12
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	298.4	298.4	298.4	298.4	298.4
2.5°	296.9	299.9	297.2	297.6	298.3
5°	295.9	299.6	296.1	295.7	297.8
7.5°	293.6	297.0	293.3	292.5	294.4
10°	291.2	294.9	290.8	289.8	290.8
12.5°	287.0	290.9	287.6	285.9	286.7
15°	281.3	283.7	281.3	279.6	279.6
17.5°	274.3	276.9	272.2	271.0	270.5
20°	269.2	271.5	266.4	264.7	264.1
22.5°	262.4	264.5	260.3	257.4	256.6
25°	253.1	253.9	249.9	246.5	245.4
27.5°	243.7	243.9	238.4	234.3	232.9
30°	235.9	236.1	229.8	225.3	224.2
32.5°	228.1	227.5	221.4	216.1	215.4
35°	217.2	215.2	209.2	203.0	201.8
37.5°	204.1	202.9	195.8	189.6	187.8
40°	195.8	193.8	186.5	180.3	178.5
42.5°	187.5	185.1	177.7	170.8	168.8
45°	174.6	172.0	164.7	156.8	154.5
47.5°	161.7	158.7	150.7	143.1	140.6
50°	153.0	149.9	141.6	134.1	131.4
52.5°	144.2	140.9	132.6	125.0	122.8
55°	131.0	127.5	119.3	111.6	109.6
57.5°	117.8	114.3	106.2	98.9	96.4
60°	108.9	105.6	97.7	90.4	88.0
62.5°	100.0	96.8	89.1	82.0	79.6
65°	86.9	83.8	76.5	69.7	67.6
67.5°	74.0	71.3	64.1	57.9	56.2
70°	65.5	63.0	56.2	50.4	48.7
72.5°	57.4	54.7	48.2	43.3	42.1
75°	44.9	42.4	37.3	33.5	32.9
77.5°	33.6	31.5	27.1	24.9	24.6
80°	26.3	24.4	21.0	19.5	19.5
82.5°	19.5	18.0	15.7	15.1	15.1
85°	10.2	9.3	8.9	8.9	8.9
87.5°	3.1	3.1	2.9	2.7	2.7
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	15.23	16.81	15.59	17.12	17.44	14.15	15.73	14.51	16.04	16.35
	3H	16.94	18.37	17.32	18.69	19.05	15.61	17.03	15.99	17.36	17.72
	4H	17.60	18.94	18.00	19.29	19.67	16.16	17.50	16.56	17.84	18.22
	6H	18.02	19.26	18.43	19.63	20.02	16.51	17.75	16.92	18.11	18.51
	8H	18.18	19.36	18.61	19.75	20.15	16.65	17.83	17.08	18.22	18.62
	12H	18.27	19.40	18.70	19.78	20.21	16.75	17.88	17.18	18.26	18.69
4H	2H	15.71	17.05	16.11	17.40	17.78	14.85	16.19	15.25	16.54	16.92
	3H	17.67	18.78	18.08	19.18	19.58	16.53	17.65	16.94	18.05	18.45
	4H	18.44	19.45	18.87	19.86	20.30	17.17	18.18	17.60	18.59	19.03
	6H	18.98	19.86	19.44	20.30	20.76	17.62	18.50	18.08	18.94	19.40
	8H	19.19	20.01	19.65	20.45	20.92	17.81	18.63	18.27	19.07	19.54
	12H	19.32	20.06	19.80	20.53	21.00	17.95	18.68	18.43	19.16	19.63
8H	4H	18.62	19.45	19.09	19.89	20.36	17.49	18.31	17.95	18.75	19.22
	6H	19.27	19.95	19.77	20.44	20.92	18.04	18.72	18.54	19.21	19.69
	8H	19.55	20.16	20.06	20.67	21.16	18.30	18.91	18.81	19.42	19.91
	12H	19.75	20.29	20.26	20.78	21.34	18.51	19.05	19.02	19.54	20.10
12H	4H	18.63	19.37	19.11	19.84	20.31	17.52	18.26	18.00	18.73	19.20
	6H	19.29	19.90	19.80	20.41	20.90	18.10	18.72	18.61	19.22	19.71
	8H	19.63	20.17	20.13	20.66	21.22	18.42	18.96	18.93	19.45	20.01