

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: P1438787

Luminaire Tested: CB2-0U-XD-930-B06-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438787
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-930-B06-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE
2-INCH APERTURE
DOWNLIGHT UNDER 6W BATTERY POWER
DIRECT ONLY
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

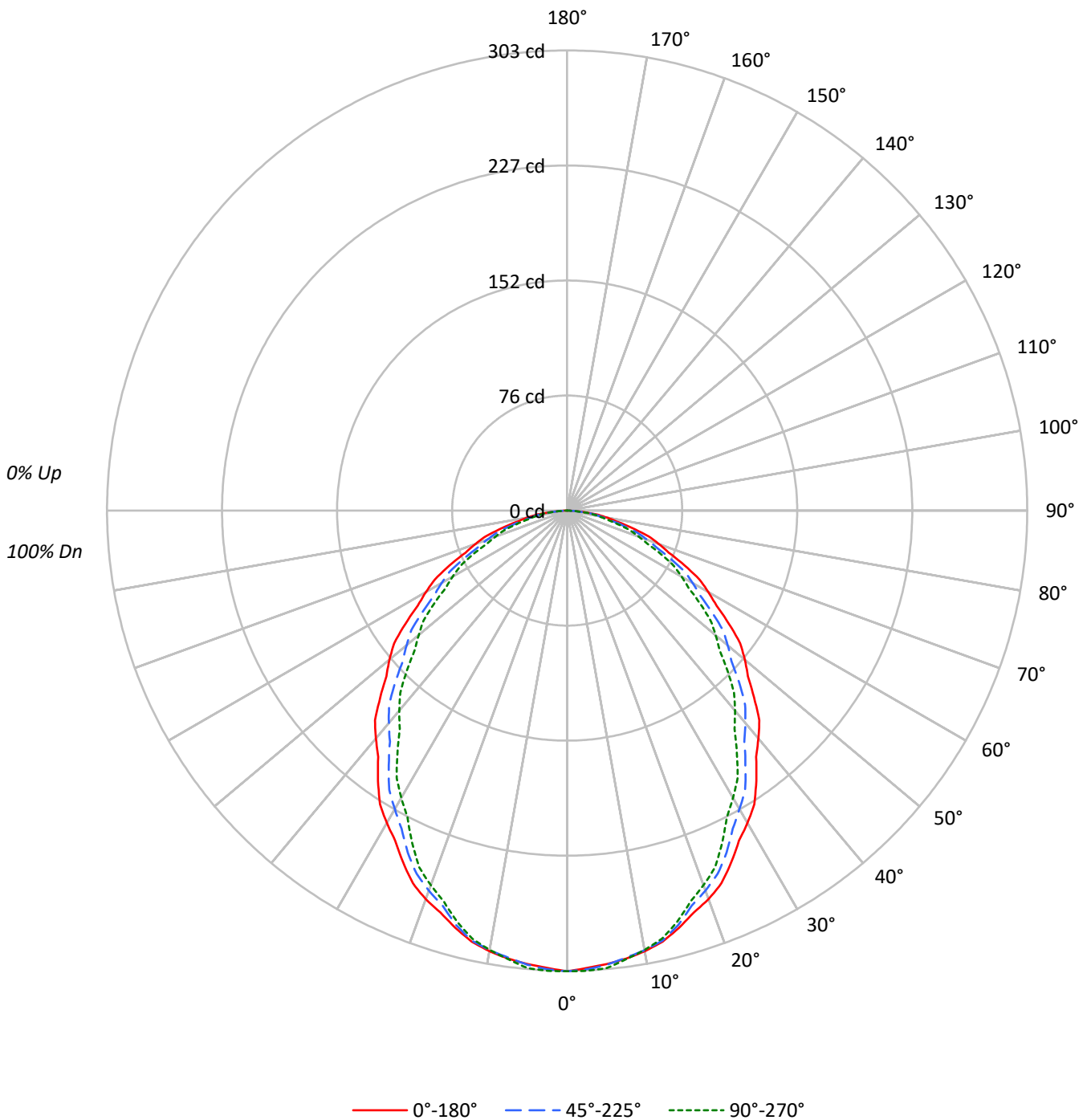
Lumens per Lamp: N/A
Luminaire Lumens: 707.6 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	92	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°	5284	5284	5284
5°	5240	5249	5285
10°	5210	5198	5194
15°	5128	5094	5052
20°	5047	4936	4865
25°	4912	4774	4639
30°	4777	4565	4392
35°	4618	4352	4144
40°	4454	4152	3908
45°	4286	3944	3680
50°	4138	3739	3458
55°	3951	3529	3246
60°	3738	3327	3034
65°	3515	3103	2823
70°	3264	2852	2556
75°	2968	2577	2315
80°	2658	2257	2096
85°	2038	1859	1539

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4286 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	4.0
10°-20°	79.5	11.2
20°-30°	114.4	16.2
30°-40°	128.5	18.2
40°-50°	124.2	17.6
50°-60°	104.9	14.8
60°-70°	75.4	10.6
70°-80°	41.2	5.8
80°-90°	10.9	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°	222.5	31.4
0°-40°	351.0	49.6
0°-60°	580.1	82.0
0°-90°	707.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	707.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	303	303	303	303	303	
5°	300	304	300	300	302	28
15°	284	287	282	280	280	80
25°	256	256	248	243	241	118
35°	217	215	205	197	195	136
45°	174	170	160	152	149	134
55°	130	125	116	109	107	116
65°	85	82	75	70	68	85
75°	44	41	38	35	34	47
85°	10	10	9	8	8	13
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	303.4	303.4	303.4	303.4	303.4
2.5°	301.4	305.0	302.3	302.7	303.3
5°	299.7	303.8	300.2	300.2	302.3
7.5°	297.6	301.4	296.9	296.1	298.0
10°	294.6	298.5	293.9	292.3	293.7
12.5°	290.7	294.4	290.0	287.5	288.7
15°	284.4	286.9	282.5	279.8	280.2
17.5°	277.5	279.1	272.8	270.4	270.0
20°	272.3	273.7	266.3	263.0	262.5
22.5°	265.6	266.8	259.0	255.0	254.4
25°	255.6	255.8	248.4	242.8	241.4
27.5°	245.1	244.4	236.1	229.5	227.7
30°	237.5	236.5	227.0	220.0	218.4
32.5°	229.3	227.6	218.1	210.5	208.9
35°	217.2	214.7	204.7	196.8	194.9
37.5°	204.4	201.6	191.7	183.1	181.0
40°	195.9	192.7	182.6	174.0	171.9
42.5°	187.3	183.8	173.5	164.9	162.6
45°	174.0	170.4	160.1	151.7	149.4
47.5°	161.4	156.8	146.7	138.4	136.1
50°	152.7	147.7	138.0	129.8	127.6
52.5°	143.7	138.5	129.3	121.5	119.2
55°	130.1	125.3	116.2	108.9	106.9
57.5°	116.6	112.0	103.7	96.7	94.8
60°	107.3	103.5	95.5	88.9	87.1
62.5°	98.4	94.9	87.3	81.3	79.5
65°	85.3	82.1	75.3	69.9	68.5
67.5°	72.5	69.3	63.8	59.0	57.4
70°	64.1	60.9	56.0	51.5	50.2
72.5°	56.1	52.8	48.7	44.7	43.7
75°	44.1	41.4	38.3	35.3	34.4
77.5°	33.6	30.9	28.7	26.5	26.3
80°	26.5	24.2	22.5	21.1	20.9
82.5°	19.8	18.1	17.0	15.9	15.9
85°	10.2	9.5	9.3	8.1	7.7
87.5°	3.0	3.0	2.6	2.2	2.2
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	16.63	18.21	17.00	18.53	18.84	15.53	17.11	15.90	17.43	17.74
	3H	18.33	19.75	18.70	20.08	20.44	17.11	18.53	17.49	18.86	19.22
	4H	18.99	20.32	19.39	20.67	21.05	17.72	19.05	18.11	19.40	19.78
	6H	19.42	20.66	19.84	21.03	21.42	18.12	19.36	18.53	19.72	20.12
	8H	19.59	20.77	20.02	21.16	21.56	18.28	19.46	18.71	19.85	20.25
	12H	19.69	20.82	20.12	21.20	21.63	18.37	19.50	18.80	19.88	20.31
4H	2H	17.12	18.46	17.52	18.81	19.19	16.25	17.59	16.65	17.93	18.31
	3H	19.05	20.17	19.46	20.57	20.97	18.04	19.16	18.45	19.56	19.96
	4H	19.83	20.83	20.26	21.25	21.68	18.75	19.75	19.18	20.17	20.61
	6H	20.38	21.26	20.84	21.70	22.16	19.26	20.14	19.71	20.58	21.04
	8H	20.60	21.43	21.07	21.87	22.34	19.46	20.29	19.92	20.73	21.19
	12H	20.74	21.48	21.22	21.96	22.43	19.59	20.32	20.07	20.80	21.27
8H	4H	20.04	20.86	20.50	21.30	21.77	19.07	19.90	19.53	20.34	20.80
	6H	20.71	21.39	21.20	21.88	22.35	19.70	20.39	20.20	20.88	21.35
	8H	21.00	21.61	21.51	22.12	22.61	19.98	20.60	20.50	21.10	21.59
	12H	21.21	21.75	21.72	22.24	22.80	20.17	20.71	20.67	21.20	21.76
12H	4H	20.05	20.79	20.53	21.26	21.73	19.11	19.85	19.59	20.32	20.79
	6H	20.74	21.35	21.25	21.86	22.35	19.77	20.38	20.28	20.89	21.38
	8H	21.09	21.63	21.60	22.12	22.68	20.11	20.65	20.62	21.14	21.70