

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: P1438790

Luminaire Tested: CB2-0U-XD-935-B10-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438790
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-935-B10-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE
2-INCH APERTURE
DOWNLIGHT UNDER 10W BATTERY POWER
DIRECT ONLY
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

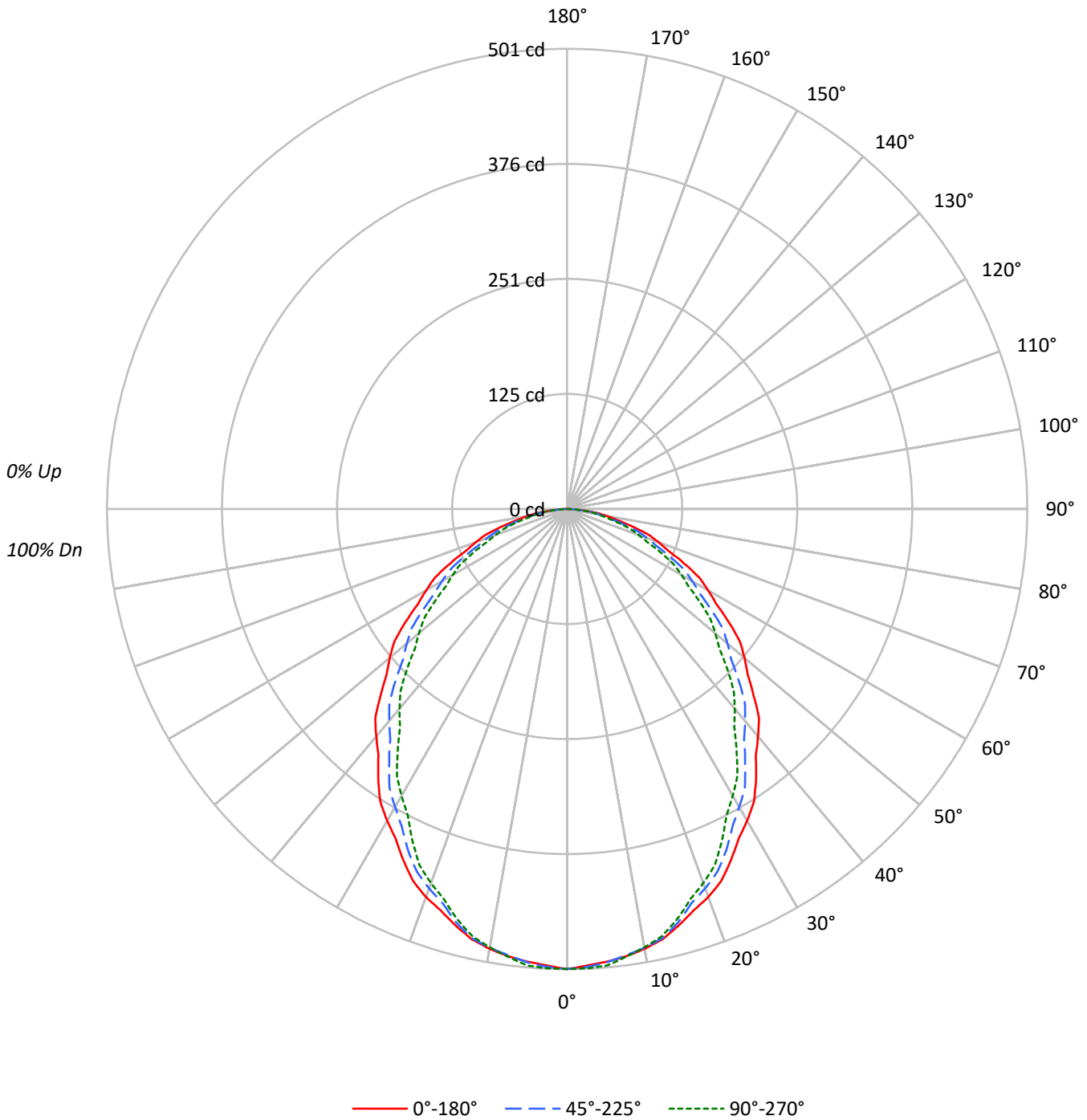
Lumens per Lamp: N/A
Luminaire Lumens: 1167.9 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.23
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1438790

CATALOG NUMBER: CB2-OU-XD-935-B10-UNV-STD-W-4

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	78	65	56	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	49	43	38	36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8724	8724	8724
5°	8649	8663	8723
10°	8601	8579	8572
15°	8464	8408	8340
20°	8332	8146	8033
25°	8108	7879	7658
30°	7882	7536	7250
35°	7625	7185	6842
40°	7351	6853	6453
45°	7074	6508	6074
50°	6828	6173	5704
55°	6523	5824	5357
60°	6173	5490	5009
65°	5799	5123	4661
70°	5388	4705	4217
75°	4906	4260	3822
80°	4383	3731	3460
85°	3377	3058	2538

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7074 cd/sqm



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CATALOG NUMBER: CB2-OU-XD-935-B10-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.1	4.0
10°-20°	131.3	11.2
20°-30°	188.8	16.2
30°-40°	212.2	18.2
40°-50°	205.0	17.5
50°-60°	173.2	14.8
60°-70°	124.4	10.7
70°-80°	68.0	5.8
80°-90°	18.1	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°	367.2	31.4
0°-40°	579.4	49.6
0°-60°	957.5	82.0
0°-90°	1167.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1167.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	501	501	501	501	501	
5°	495	502	496	496	499	47
15°	469	474	466	462	462	132
25°	422	422	410	401	398	194
35°	359	354	338	325	322	224
45°	287	281	264	250	247	222
55°	215	207	192	180	176	192
65°	141	136	124	115	113	140
75°	73	68	63	58	57	78
85°	17	16	15	13	13	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	500.9	500.9	500.9	500.9	500.9
2.5°	497.5	503.5	499.0	499.6	500.5
5°	494.7	501.5	495.5	495.6	498.9
7.5°	491.2	497.6	490.0	488.7	491.8
10°	486.3	492.7	485.1	482.5	484.7
12.5°	479.8	485.9	478.7	474.5	476.5
15°	469.4	473.5	466.3	461.8	462.5
17.5°	458.1	460.6	450.2	446.4	445.6
20°	449.5	451.7	439.5	434.1	433.4
22.5°	438.4	440.4	427.5	420.9	419.9
25°	421.9	422.2	410.0	400.7	398.5
27.5°	404.5	403.3	389.7	378.8	375.8
30°	391.9	390.4	374.7	363.1	360.5
32.5°	378.4	375.7	360.0	347.5	344.8
35°	358.6	354.5	337.9	324.8	321.8
37.5°	337.4	332.8	316.5	302.2	298.8
40°	323.3	318.0	301.4	287.2	283.8
42.5°	309.2	303.3	286.4	272.1	268.5
45°	287.2	281.2	264.2	250.3	246.6
47.5°	266.4	258.7	242.2	228.4	224.7
50°	252.0	243.7	227.8	214.3	210.5
52.5°	237.2	228.7	213.4	200.5	196.7
55°	214.8	206.9	191.8	179.8	176.4
57.5°	192.5	184.9	171.1	159.7	156.4
60°	177.2	170.8	157.6	146.8	143.8
62.5°	162.5	156.7	144.1	134.2	131.2
65°	140.7	135.5	124.3	115.4	113.1
67.5°	119.7	114.4	105.3	97.4	94.8
70°	105.8	100.6	92.4	85.1	82.8
72.5°	92.7	87.1	80.5	73.7	72.1
75°	72.9	68.4	63.3	58.3	56.8
77.5°	55.4	51.0	47.3	43.8	43.4
80°	43.7	40.0	37.2	34.9	34.5
82.5°	32.7	29.8	28.0	26.3	26.2
85°	16.9	15.7	15.3	13.4	12.7
87.5°	4.9	4.9	4.3	3.7	3.7
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	18.37	19.95	18.74	20.27	20.58	17.28	18.86	17.64	19.17	19.48
	3H	20.07	21.49	20.45	21.82	22.18	18.85	20.28	19.23	20.60	20.96
	4H	20.73	22.07	21.13	22.42	22.79	19.46	20.80	19.86	21.14	21.52
	6H	21.17	22.40	21.58	22.77	23.16	19.86	21.10	20.28	21.47	21.86
	8H	21.33	22.52	21.76	22.90	23.30	20.02	21.20	20.45	21.59	21.99
	12H	21.43	22.56	21.86	22.94	23.37	20.11	21.24	20.54	21.62	22.05
4H	2H	18.86	20.20	19.26	20.55	20.93	17.99	19.33	18.39	19.68	20.05
	3H	20.79	21.91	21.20	22.31	22.71	19.79	20.90	20.20	21.30	21.70
	4H	21.57	22.58	22.00	22.99	23.43	20.49	21.50	20.92	21.91	22.35
	6H	22.13	23.01	22.58	23.45	23.91	21.00	21.88	21.46	22.32	22.78
	8H	22.35	23.17	22.81	23.61	24.08	21.21	22.03	21.67	22.47	22.94
	12H	22.49	23.22	22.97	23.70	24.17	21.33	22.07	21.81	22.54	23.01
8H	4H	21.78	22.60	22.24	23.04	23.51	20.82	21.64	21.28	22.08	22.55
	6H	22.45	23.13	22.94	23.62	24.10	21.45	22.13	21.94	22.62	23.10
	8H	22.74	23.36	23.26	23.86	24.35	21.73	22.34	22.24	22.85	23.33
	12H	22.95	23.49	23.46	23.98	24.55	21.91	22.45	22.42	22.94	23.50
12H	4H	21.79	22.53	22.27	23.01	23.48	20.85	21.59	21.33	22.07	22.54
	6H	22.48	23.09	22.99	23.60	24.09	21.52	22.13	22.03	22.64	23.12
	8H	22.83	23.37	23.34	23.86	24.43	21.85	22.40	22.36	22.89	23.45