

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: P1438791

Luminaire Tested: CB2-0U-XD-940-B06-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438791
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-940-B06-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE
2-INCH APERTURE
DOWNLIGHT UNDER 6W BATTERY POWER
DIRECT ONLY
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

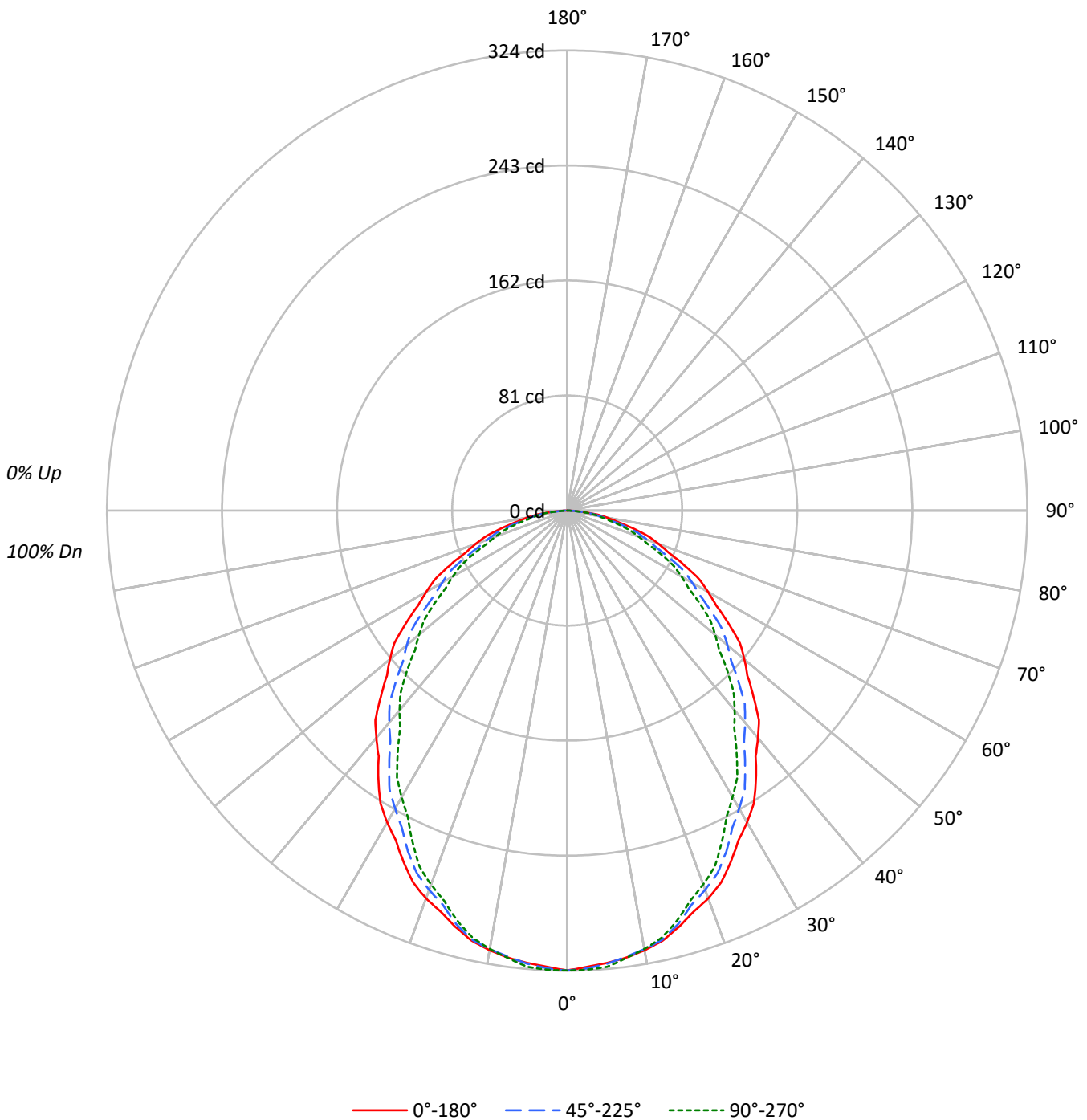
Lumens per Lamp: N/A
Luminaire Lumens: 755.0 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1438791

CATALOG NUMBER: CB2-OU-XD-940-B06-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1438791

CATALOG NUMBER: CB2-OU-XD-940-B06-UNV-STD-W-4

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	91	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°	5640	5640	5640
5°	5591	5600	5639
10°	5560	5546	5543
15°	5473	5437	5391
20°	5386	5266	5194
25°	5241	5093	4951
30°	5096	4871	4686
35°	4929	4644	4423
40°	4752	4431	4172
45°	4574	4207	3926
50°	4414	3991	3688
55°	4215	3765	3462
60°	3989	3550	3240
65°	3750	3309	3013
70°	3483	3040	2730
75°	3170	2752	2470
80°	2839	2407	2237
85°	2178	1978	1639

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4574 cd/sqm



TEST NUMBER: P1438791

CATALOG NUMBER: CB2-OU-XD-940-B06-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.4	4.0
10°-20°	84.9	11.2
20°-30°	122.0	16.2
30°-40°	137.2	18.2
40°-50°	132.5	17.5
50°-60°	111.9	14.8
60°-70°	80.4	10.7
70°-80°	44.0	5.8
80°-90°	11.7	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°	237.4	31.4
0°-40°	374.5	49.6
0°-60°	619.0	82.0
0°-90°	755.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	755.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	324	324	324	324	324	
5°	320	324	320	320	322	30
15°	304	306	302	298	299	86
25°	273	273	265	259	258	126
35°	232	229	218	210	208	145
45°	186	182	171	162	159	143
55°	139	134	124	116	114	124
65°	91	88	80	75	73	90
75°	47	44	41	38	37	50
85°	11	10	10	9	8	13
90°	0	0	0	0	0	



TEST NUMBER: P1438791

CATALOG NUMBER: CB2-OU-XD-940-B06-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	323.8	323.8	323.8	323.8	323.8
2.5°	321.6	325.5	322.6	323.0	323.6
5°	319.8	324.2	320.3	320.4	322.5
7.5°	317.5	321.7	316.8	315.9	317.9
10°	314.4	318.5	313.6	311.9	313.4
12.5°	310.2	314.1	309.5	306.8	308.0
15°	303.5	306.1	301.5	298.5	299.0
17.5°	296.1	297.8	291.1	288.6	288.1
20°	290.6	292.0	284.1	280.6	280.2
22.5°	283.4	284.7	276.4	272.1	271.4
25°	272.7	273.0	265.0	259.0	257.6
27.5°	261.5	260.7	251.9	244.9	243.0
30°	253.4	252.4	242.2	234.7	233.0
32.5°	244.6	242.9	232.7	224.6	222.9
35°	231.8	229.1	218.4	209.9	208.0
37.5°	218.1	215.1	204.6	195.4	193.2
40°	209.0	205.6	194.9	185.6	183.5
42.5°	199.9	196.1	185.1	175.9	173.5
45°	185.7	181.8	170.8	161.8	159.4
47.5°	172.2	167.3	156.6	147.7	145.2
50°	162.9	157.6	147.3	138.5	136.1
52.5°	153.4	147.8	137.9	129.6	127.2
55°	138.8	133.7	124.0	116.2	114.0
57.5°	124.5	119.6	110.6	103.2	101.1
60°	114.5	110.4	101.9	94.9	93.0
62.5°	105.0	101.3	93.2	86.8	84.8
65°	91.0	87.6	80.3	74.6	73.1
67.5°	77.4	74.0	68.1	62.9	61.3
70°	68.4	65.0	59.7	55.0	53.6
72.5°	59.9	56.3	52.0	47.7	46.6
75°	47.1	44.2	40.9	37.7	36.7
77.5°	35.8	33.0	30.6	28.3	28.1
80°	28.3	25.8	24.0	22.6	22.3
82.5°	21.1	19.3	18.1	17.0	17.0
85°	10.9	10.2	9.9	8.7	8.2
87.5°	3.2	3.2	2.8	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1438791
 CATALOG NUMBER: CB2-0U-XD-940-B06-UNV-STD-W-4

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	16.86	18.44	17.23	18.76	19.07	15.76	17.34	16.12	17.65	17.97
	3H	18.56	19.98	18.93	20.31	20.67	17.34	18.76	17.71	19.09	19.45
	4H	19.22	20.55	19.61	20.90	21.28	17.94	19.28	18.34	19.63	20.00
	6H	19.65	20.89	20.06	21.26	21.65	18.35	19.59	18.76	19.95	20.34
	8H	19.82	21.00	20.25	21.39	21.79	18.51	19.69	18.93	20.08	20.48
	12H	19.92	21.05	20.35	21.43	21.86	18.59	19.72	19.02	20.11	20.54
4H	2H	17.35	18.69	17.75	19.04	19.41	16.47	17.81	16.87	18.16	18.54
	3H	19.28	20.40	19.69	20.80	21.20	18.27	19.39	18.68	19.79	20.19
	4H	20.05	21.06	20.49	21.48	21.91	18.97	19.98	19.40	20.39	20.83
	6H	20.61	21.49	21.07	21.93	22.39	19.49	20.37	19.94	20.81	21.26
	8H	20.83	21.65	21.29	22.10	22.56	19.69	20.51	20.15	20.96	21.42
	12H	20.97	21.71	21.45	22.18	22.65	19.81	20.55	20.29	21.03	21.50
8H	4H	20.26	21.09	20.72	21.53	21.99	19.30	20.12	19.76	20.56	21.03
	6H	20.93	21.61	21.43	22.10	22.58	19.93	20.61	20.43	21.10	21.58
	8H	21.23	21.84	21.74	22.35	22.84	20.21	20.82	20.72	21.33	21.82
	12H	21.44	21.98	21.94	22.47	23.03	20.40	20.94	20.90	21.43	21.99
12H	4H	20.28	21.01	20.76	21.49	21.96	19.34	20.07	19.82	20.55	21.02
	6H	20.97	21.58	21.48	22.09	22.57	20.00	20.61	20.51	21.12	21.61
	8H	21.32	21.86	21.82	22.35	22.91	20.34	20.88	20.85	21.37	21.93