

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: P1438785

Luminaire Tested: CB2-0U-XD-927-B06-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438785
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-927-B06-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE
2-INCH APERTURE
DOWNLIGHT UNDER 6W BATTERY POWER
DIRECT ONLY
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

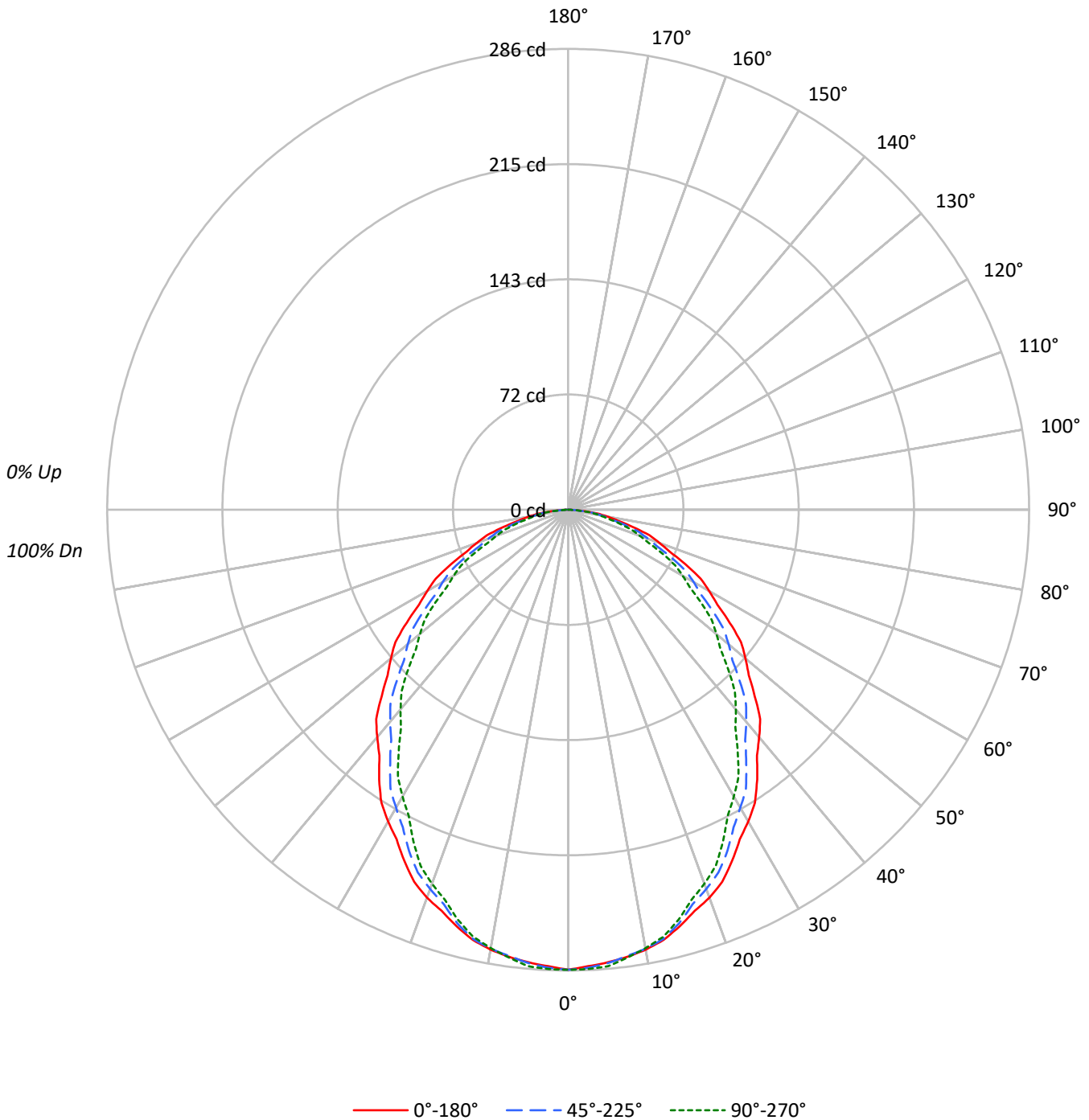
Lumens per Lamp: N/A
Luminaire Lumens: 665.8 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Direct

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: P1438785

CATALOG NUMBER: CB2-OU-XD-927-B06-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°	4973	4973	4973
5°	4930	4939	4972
10°	4903	4892	4887
15°	4825	4793	4755
20°	4749	4643	4578
25°	4622	4491	4364
30°	4493	4296	4133
35°	4346	4095	3900
40°	4190	3906	3679
45°	4032	3710	3463
50°	3891	3520	3252
55°	3717	3319	3055
60°	3518	3132	2856
65°	3305	2918	2658
70°	3071	2684	2404
75°	2793	2429	2180
80°	2498	2126	1976
85°	1918	1739	1439

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4032 cd/sqm

TEST NUMBER: P1438785

CATALOG NUMBER: CB2-OU-XD-927-B06-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	4.0
10°-20°	74.8	11.2
20°-30°	107.6	16.2
30°-40°	121.0	18.2
40°-50°	116.8	17.5
50°-60°	98.7	14.8
60°-70°	70.9	10.6
70°-80°	38.8	5.8
80°-90°	10.3	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°	209.3	31.4
0°-40°	330.3	49.6
0°-60°	545.8	82.0
0°-90°	665.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	665.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	286	286	286	286	286	
5°	282	286	282	282	284	27
15°	268	270	266	263	264	75
25°	240	241	234	228	227	111
35°	204	202	193	185	183	128
45°	164	160	151	143	141	127
55°	122	118	109	102	101	109
65°	80	77	71	66	64	80
75°	42	39	36	33	32	44
85°	10	9	9	8	7	12
90°	0	0	0	0	0	



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CATALOG NUMBER: CB2-OU-XD-927-B06-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	285.5	285.5	285.5	285.5	285.5
2.5°	283.6	287.0	284.5	284.8	285.3
5°	282.0	285.9	282.5	282.5	284.4
7.5°	280.0	283.6	279.4	278.6	280.4
10°	277.2	280.8	276.6	275.1	276.3
12.5°	273.5	277.0	272.9	270.5	271.6
15°	267.6	269.9	265.8	263.2	263.7
17.5°	261.1	262.6	256.7	254.5	254.0
20°	256.2	257.5	250.5	247.5	247.0
22.5°	249.9	251.0	243.7	239.9	239.3
25°	240.5	240.7	233.7	228.4	227.1
27.5°	230.6	229.9	222.2	215.9	214.2
30°	223.4	222.6	213.6	207.0	205.5
32.5°	215.7	214.2	205.2	198.1	196.6
35°	204.4	202.1	192.6	185.1	183.4
37.5°	192.3	189.7	180.4	172.3	170.3
40°	184.3	181.3	171.8	163.7	161.8
42.5°	176.3	172.9	163.3	155.1	153.0
45°	163.7	160.3	150.6	142.7	140.6
47.5°	151.9	147.5	138.1	130.2	128.1
50°	143.6	138.9	129.9	122.2	120.0
52.5°	135.2	130.4	121.6	114.3	112.2
55°	122.4	117.9	109.3	102.5	100.6
57.5°	109.7	105.4	97.5	91.0	89.2
60°	101.0	97.4	89.9	83.7	82.0
62.5°	92.6	89.3	82.2	76.5	74.8
65°	80.2	77.2	70.8	65.8	64.5
67.5°	68.2	65.2	60.0	55.5	54.0
70°	60.3	57.3	52.7	48.5	47.2
72.5°	52.8	49.7	45.9	42.0	41.1
75°	41.5	39.0	36.1	33.2	32.4
77.5°	31.6	29.1	27.0	25.0	24.7
80°	24.9	22.8	21.2	19.9	19.7
82.5°	18.6	17.0	16.0	15.0	15.0
85°	9.6	9.0	8.7	7.6	7.2
87.5°	2.8	2.8	2.4	2.1	2.1
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	16.42	18.00	16.79	18.31	18.63	15.32	16.90	15.69	17.22	17.53
	3H	18.12	19.54	18.49	19.87	20.23	16.90	18.32	17.28	18.65	19.01
	4H	18.78	20.11	19.17	20.46	20.84	17.50	18.84	17.90	19.19	19.57
	6H	19.21	20.45	19.62	20.82	21.21	17.91	19.15	18.32	19.51	19.90
	8H	19.38	20.56	19.81	20.95	21.35	18.07	19.25	18.50	19.64	20.04
	12H	19.48	20.61	19.91	20.99	21.42	18.16	19.29	18.59	19.67	20.10
4H	2H	16.91	18.25	17.31	18.60	18.97	16.04	17.37	16.44	17.72	18.10
	3H	18.84	19.96	19.25	20.36	20.76	17.83	18.95	18.24	19.35	19.75
	4H	19.61	20.62	20.05	21.04	21.47	18.53	19.54	18.97	19.96	20.39
	6H	20.17	21.05	20.63	21.49	21.95	19.05	19.93	19.50	20.37	20.83
	8H	20.39	21.22	20.85	21.66	22.12	19.25	20.08	19.72	20.52	20.99
	12H	20.53	21.27	21.01	21.75	22.22	19.38	20.11	19.86	20.59	21.06
8H	4H	19.83	20.65	20.29	21.09	21.56	18.86	19.68	19.32	20.13	20.59
	6H	20.50	21.18	20.99	21.67	22.14	19.49	20.18	19.99	20.67	21.14
	8H	20.79	21.40	21.30	21.91	22.40	19.78	20.39	20.29	20.90	21.38
	12H	21.00	21.54	21.51	22.03	22.59	19.96	20.50	20.47	20.99	21.55
12H	4H	19.84	20.58	20.32	21.05	21.52	18.90	19.64	19.38	20.11	20.58
	6H	20.53	21.14	21.04	21.65	22.14	19.56	20.17	20.07	20.68	21.17
	8H	20.88	21.42	21.39	21.91	22.47	19.90	20.44	20.41	20.93	21.50