

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: P1439275

Luminaire Tested: CB3-0U-030D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439275
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-030D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

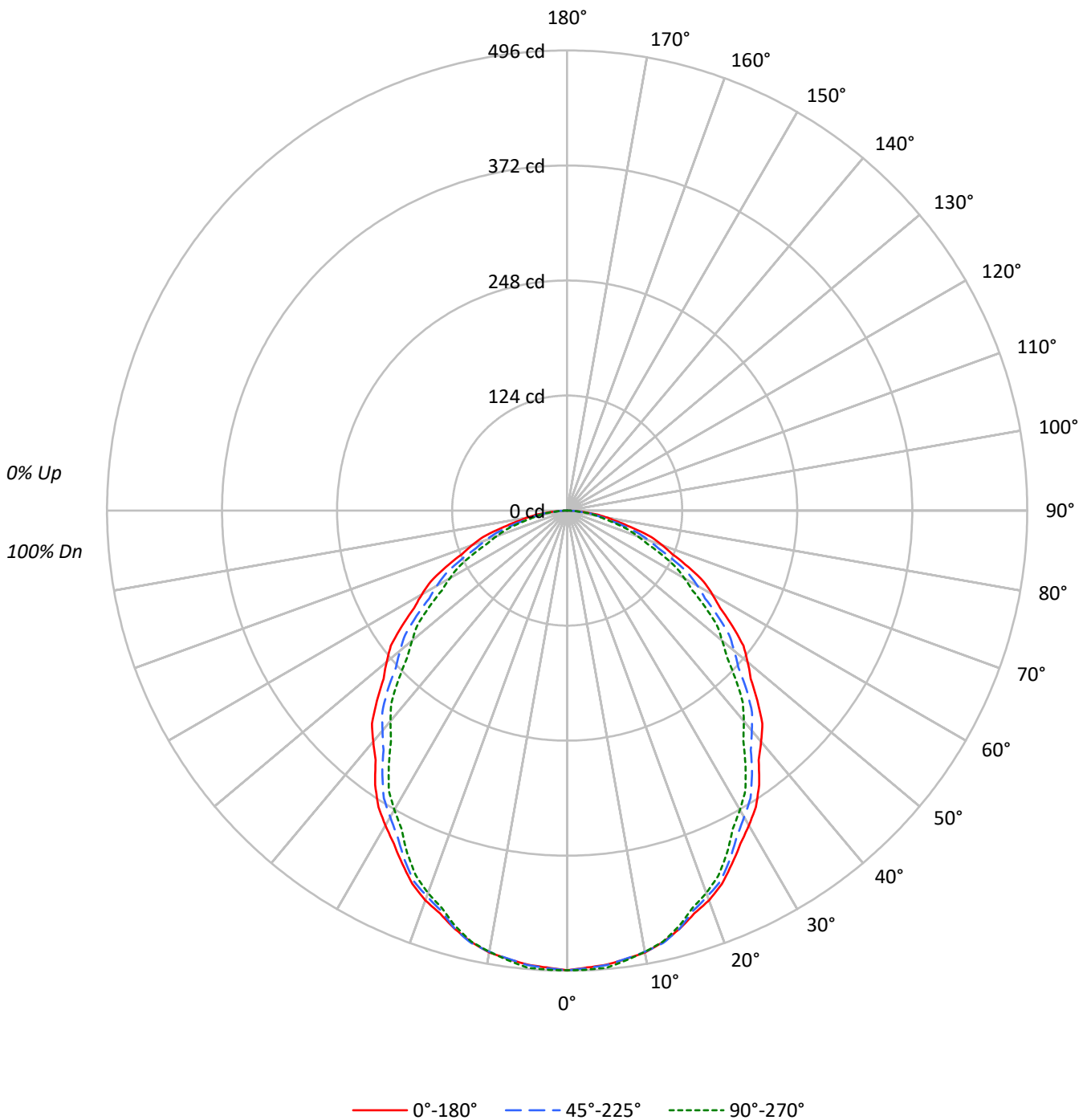
Lumens per Lamp: N/A
Luminaire Lumens: 1186.4 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 8.8
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: P1439275

CATALOG NUMBER: CB3-OU-030D-930-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1439275

CATALOG NUMBER: CB3-OU-030D-930-1D-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	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°	5606	5606	5606
5°	5580	5585	5616
10°	5556	5548	5548
15°	5470	5470	5438
20°	5382	5327	5280
25°	5246	5180	5089
30°	5118	4984	4865
35°	4982	4798	4629
40°	4803	4574	4376
45°	4640	4376	4106
50°	4473	4138	3841
55°	4290	3908	3590
60°	4094	3670	3306
65°	3863	3403	3007
70°	3599	3087	2676
75°	3261	2706	2387
80°	2841	2267	2111
85°	2194	1921	1921

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4640 cd/sqm



TEST NUMBER: P1439275

CATALOG NUMBER: CB3-OU-030D-930-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	3.9
10°-20°	131.4	11.1
20°-30°	190.8	16.1
30°-40°	217.0	18.3
40°-50°	210.6	17.8
50°-60°	177.8	15.0
60°-70°	126.5	10.7
70°-80°	67.6	5.7
80°-90°	17.9	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°	369.0	31.1
0°-40°	585.9	49.4
0°-60°	974.4	82.1
0°-90°	1186.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1186.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	496	496	496	496	496	
5°	491	498	492	491	494	47
15°	467	471	467	464	464	132
25°	420	422	415	409	408	194
35°	361	357	347	337	335	225
45°	290	286	274	260	257	224
55°	218	212	198	185	182	194
65°	144	139	127	116	112	143
75°	75	70	62	56	55	80
85°	17	16	15	15	15	21
90°	0	0	0	0	0	



TEST NUMBER: P1439275

CATALOG NUMBER: CB3-OU-030D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	495.5	495.5	495.5	495.5	495.5
2.5°	493.0	498.0	493.6	494.2	495.3
5°	491.3	497.5	491.7	491.0	494.5
7.5°	487.5	493.2	487.1	485.7	488.8
10°	483.6	489.8	482.9	481.2	482.9
12.5°	476.5	483.0	477.5	474.7	476.1
15°	467.0	471.2	467.0	464.2	464.2
17.5°	455.4	459.8	452.0	450.0	449.2
20°	447.0	450.8	442.4	439.6	438.5
22.5°	435.7	439.2	432.3	427.4	426.1
25°	420.2	421.6	414.9	409.3	407.6
27.5°	404.7	405.0	395.9	389.0	386.7
30°	391.7	392.1	381.5	374.1	372.4
32.5°	378.8	377.7	367.7	358.9	357.7
35°	360.7	357.3	347.4	337.1	335.1
37.5°	339.0	336.9	325.2	314.9	311.8
40°	325.2	321.8	309.7	299.4	296.3
42.5°	311.4	307.4	295.1	283.7	280.3
45°	290.0	285.5	273.5	260.4	256.6
47.5°	268.5	263.6	250.3	237.6	233.4
50°	254.1	248.9	235.1	222.7	218.2
52.5°	239.5	234.0	220.2	207.5	203.8
55°	217.5	211.7	198.1	185.4	182.0
57.5°	195.5	189.8	176.3	164.3	160.1
60°	180.9	175.4	162.2	150.2	146.1
62.5°	166.0	160.7	147.9	136.1	132.3
65°	144.3	139.1	127.1	115.7	112.3
67.5°	122.8	118.4	106.5	96.1	93.3
70°	108.8	104.6	93.3	83.7	80.9
72.5°	95.2	90.8	80.0	71.9	70.0
75°	74.6	70.5	61.9	55.6	54.6
77.5°	55.7	52.4	45.0	41.4	40.8
80°	43.6	40.5	34.8	32.4	32.4
82.5°	32.4	29.8	26.1	25.1	25.1
85°	16.9	15.5	14.8	14.8	14.8
87.5°	5.1	5.1	4.8	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1439275
 CATALOG NUMBER: CB3-0U-030D-930-1D-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	16.99	18.57	17.35	18.88	19.20	15.91	17.49	16.27	17.80	18.12
	3H	18.70	20.13	19.08	20.45	20.82	17.37	18.80	17.75	19.12	19.48
	4H	19.36	20.70	19.76	21.05	21.43	17.92	19.26	18.32	19.61	19.98
	6H	19.78	21.02	20.20	21.39	21.78	18.27	19.51	18.68	19.88	20.27
	8H	19.94	21.12	20.37	21.51	21.91	18.42	19.60	18.84	19.99	20.39
	12H	20.03	21.16	20.46	21.54	21.97	18.51	19.65	18.94	20.03	20.46
4H	2H	17.48	18.82	17.88	19.16	19.54	16.62	17.96	17.02	18.31	18.68
	3H	19.43	20.54	19.84	20.94	21.34	18.30	19.41	18.71	19.81	20.21
	4H	20.20	21.21	20.64	21.63	22.06	18.93	19.94	19.36	20.36	20.79
	6H	20.74	21.62	21.20	22.06	22.52	19.38	20.26	19.84	20.70	21.16
	8H	20.95	21.77	21.41	22.22	22.68	19.57	20.39	20.03	20.83	21.30
	12H	21.08	21.82	21.56	22.29	22.76	19.71	20.45	20.19	20.92	21.39
8H	4H	20.39	21.21	20.85	21.65	22.12	19.25	20.07	19.71	20.51	20.98
	6H	21.03	21.71	21.53	22.20	22.68	19.80	20.49	20.30	20.98	21.45
	8H	21.31	21.92	21.83	22.43	22.92	20.06	20.67	20.57	21.18	21.67
	12H	21.51	22.05	22.02	22.54	23.10	20.27	20.81	20.78	21.30	21.87
12H	4H	20.39	21.13	20.87	21.61	22.08	19.28	20.02	19.76	20.50	20.97
	6H	21.05	21.67	21.56	22.17	22.66	19.87	20.48	20.38	20.99	21.47
	8H	21.39	21.93	21.89	22.42	22.98	20.18	20.72	20.69	21.21	21.78