

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: P1439299

Luminaire Tested: CB3-0U-120D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439299  
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-120D-930-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

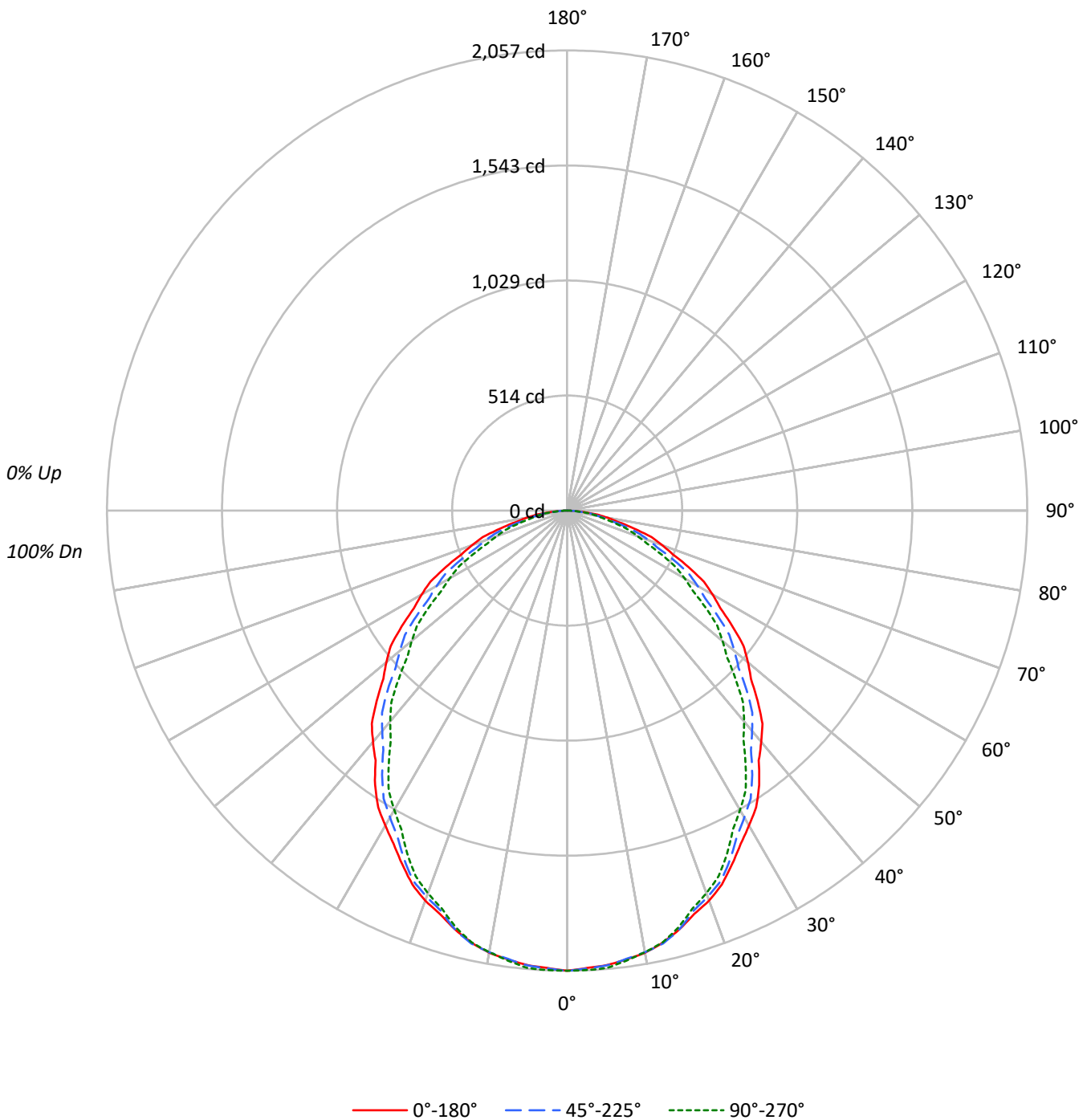
Lumens per Lamp: N/A  
Luminaire Lumens: 4924.7 lumens  
Efficiency: N/A  
Efficacy: 128.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 38.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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									
RC	80									70									30									10									0
RW	70	50	30	10	70	50	30	10	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°	23274	23274	23274
5°	23164	23180	23313
10°	23062	23029	23029
15°	22709	22709	22572
20°	22340	22112	21918
25°	21778	21503	21121
30°	21244	20691	20194
35°	20684	19916	19210
40°	19938	18988	18169
45°	19262	18163	17041
50°	18567	17178	15944
55°	17811	16225	14899
60°	16992	15241	13720
65°	16037	14120	12476
70°	14933	12806	11115
75°	13539	11239	9897
80°	11807	9422	8757
85°	9100	7971	7971

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19262 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	194.1	3.9
10°-20°	545.3	11.1
20°-30°	792.2	16.1
30°-40°	900.7	18.3
40°-50°	874.3	17.8
50°-60°	738.2	15.0
60°-70°	525.2	10.7
70°-80°	280.6	5.7
80°-90°	74.1	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°	1531.5	31.1
0°-40°	2432.2	49.4
0°-60°	4044.8	82.1
0°-90°	4924.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4924.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2057	2057	2057	2057	2057	
5°	2040	2065	2041	2038	2053	194
15°	1939	1956	1939	1927	1927	546
25°	1744	1750	1722	1699	1692	804
35°	1498	1483	1442	1399	1391	933
45°	1204	1185	1135	1081	1065	929
55°	903	879	822	770	755	807
65°	599	578	527	480	466	593
75°	310	293	257	231	226	330
85°	70	64	61	61	61	86
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2057.0	2057.0	2057.0	2057.0	2057.0
2.5°	2046.5	2067.1	2048.8	2051.3	2055.8
5°	2039.5	2065.2	2040.9	2038.3	2052.6
7.5°	2023.7	2047.1	2021.9	2016.1	2029.0
10°	2007.3	2033.0	2004.4	1997.3	2004.4
12.5°	1978.1	2005.0	1982.2	1970.4	1976.4
15°	1938.7	1955.8	1938.7	1927.0	1927.0
17.5°	1890.5	1908.5	1876.1	1867.9	1864.7
20°	1855.4	1871.1	1836.4	1824.6	1820.3
22.5°	1808.6	1823.2	1794.3	1774.3	1768.9
25°	1744.4	1750.1	1722.4	1698.9	1691.8
27.5°	1679.8	1681.2	1643.3	1614.7	1605.3
30°	1626.0	1627.5	1583.7	1552.8	1545.7
32.5°	1572.3	1568.0	1526.4	1489.8	1484.9
35°	1497.5	1483.2	1441.9	1399.4	1390.8
37.5°	1407.2	1398.6	1349.9	1307.2	1294.4
40°	1349.9	1335.6	1285.6	1243.0	1230.1
42.5°	1292.6	1276.1	1224.9	1177.5	1163.5
45°	1203.8	1185.2	1135.1	1080.7	1065.0
47.5°	1114.4	1094.1	1039.0	986.3	968.9
50°	1054.8	1033.4	975.9	924.4	905.8
52.5°	994.0	971.5	914.0	861.3	846.2
55°	902.9	878.6	822.5	769.6	755.3
57.5°	811.7	787.7	731.9	681.9	664.7
60°	750.9	728.1	673.5	623.4	606.3
62.5°	689.0	667.3	613.9	565.0	549.0
65°	599.0	577.6	527.4	480.3	466.0
67.5°	509.9	491.6	442.1	398.9	387.4
70°	451.4	434.3	387.1	347.4	336.0
72.5°	395.3	377.0	332.2	298.4	290.4
75°	309.7	292.6	257.1	230.7	226.4
77.5°	231.4	217.4	186.7	171.8	169.5
80°	181.2	168.3	144.6	134.4	134.4
82.5°	134.4	123.8	108.4	104.0	104.0
85°	70.1	64.4	61.4	61.4	61.4
87.5°	21.0	21.0	19.9	18.7	18.7
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	21.93	23.51	22.30	23.83	24.14	20.85	22.44	21.22	22.75	23.06
	3H	23.65	25.07	24.03	25.40	25.76	22.32	23.74	22.69	24.07	24.43
	4H	24.31	25.65	24.71	26.00	26.37	22.87	24.20	23.26	24.55	24.93
	6H	24.73	25.97	25.14	26.33	26.73	23.22	24.46	23.63	24.82	25.21
	8H	24.89	26.07	25.31	26.46	26.86	23.36	24.54	23.79	24.93	25.33
	12H	24.98	26.11	25.41	26.49	26.92	23.46	24.59	23.89	24.97	25.40
4H	2H	22.42	23.76	22.82	24.11	24.48	21.56	22.90	21.96	23.25	23.63
	3H	24.37	25.49	24.78	25.89	26.29	23.24	24.36	23.65	24.76	25.16
	4H	25.15	26.16	25.58	26.57	27.01	23.88	24.88	24.31	25.30	25.74
	6H	25.69	26.57	26.14	27.01	27.47	24.33	25.21	24.78	25.65	26.11
	8H	25.90	26.72	26.36	27.16	27.63	24.51	25.34	24.97	25.78	26.24
	12H	26.03	26.76	26.51	27.24	27.71	24.65	25.39	25.13	25.87	26.34
8H	4H	25.33	26.15	25.79	26.60	27.06	24.19	25.01	24.65	25.46	25.92
	6H	25.98	26.66	26.47	27.15	27.63	24.75	25.43	25.24	25.92	26.40
	8H	26.26	26.87	26.77	27.38	27.87	25.01	25.62	25.52	26.13	26.61
	12H	26.46	27.00	26.96	27.49	28.05	25.22	25.76	25.72	26.25	26.81
12H	4H	25.34	26.07	25.82	26.55	27.02	24.23	24.96	24.71	25.44	25.91
	6H	26.00	26.61	26.51	27.12	27.61	24.81	25.42	25.32	25.93	26.42
	8H	26.33	26.87	26.84	27.36	27.93	25.13	25.67	25.63	26.16	26.72