

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: P1439321

Luminaire Tested: CB3-125U-030D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439321  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-125U-030D-930-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

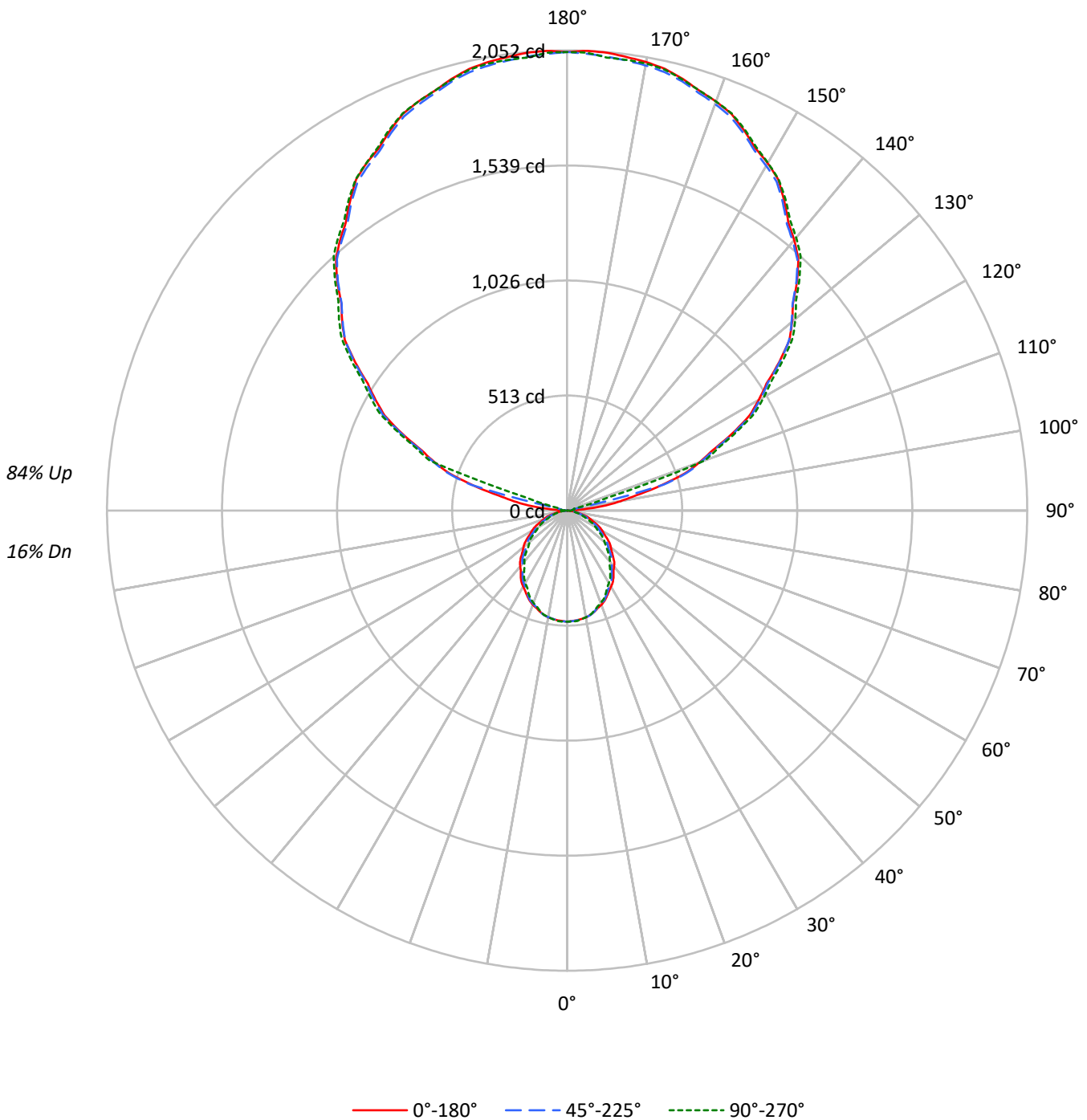
Lumens per Lamp: N/A  
Luminaire Lumens: 7221.1 lumens  
Efficiency: N/A  
Efficacy: 157.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 45.8  
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

TEST NUMBER: P1439321

CATALOG NUMBER: CB3-125U-030D-930-1D-UNV-STD-W-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1439321

CATALOG NUMBER: CB3-125U-030D-930-1D-UNV-STD-W-4

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	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	50	30	10	0														
RCR																																						
0	99	99	99	99	87	87	87	87	65	65	65	44	44	44	25	25	25	16																				
1	90	86	83	79	79	76	73	70	57	55	53	39	38	37	22	22	21	14																				
2	82	75	70	65	72	66	62	58	50	46	44	34	32	31	20	19	18	12																				
3	75	66	59	54	66	58	53	48	44	40	37	30	28	26	18	16	15	10																				
4	68	58	51	45	60	52	45	41	39	35	31	27	24	22	16	14	13	9																				
5	63	52	44	39	55	46	39	35	34	30	27	24	21	19	14	13	12	8																				
6	58	46	39	33	50	41	35	30	31	26	23	22	19	17	13	11	10	7																				
7	53	42	34	29	47	37	30	26	28	23	20	19	17	15	12	10	9	6																				
8	49	38	30	25	43	33	27	23	25	21	18	18	15	13	11	9	8	5																				
9	46	34	27	22	40	30	24	20	23	19	16	16	13	11	10	8	7	5																				
10	42	31	24	20	37	28	22	18	21	17	14	15	12	10	9	8	7	4																				

**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: P1439321

CATALOG NUMBER: CB3-125U-030D-930-1D-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.8	0.6
10°-20°	131.4	1.8
20°-30°	190.8	2.6
30°-40°	217.0	3.0
40°-50°	210.6	2.9
50°-60°	177.8	2.5
60°-70°	126.5	1.8
70°-80°	67.6	0.9
80°-90°	17.9	0.2
90°-100°	47.2	0.7
100°-110°	342.0	4.7
110°-120°	813.0	11.3
120°-130°	1038.7	14.4
130°-140°	1120.4	15.5
140°-150°	1056.2	14.6
150°-160°	861.6	11.9
160°-170°	561.4	7.8
170°-180°	194.1	2.7
0°-30°	369.0	5.1
0°-40°	585.9	8.1
0°-60°	974.4	13.5
0°-90°	1186.5	16.4
90°-120°	1202.2	16.6
90°-150°	4417.5	61.2
90°-180°	6035.0	83.6
0°-180°	7221.1	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	20
90°	0	0	0	2	0	4
95°	86	16	20	22	22	107
105°	433	439	445	32	34	457
115°	812	818	820	832	837	801
125°	1154	1162	1159	1171	1179	1030
135°	1450	1458	1445	1456	1465	1117
145°	1687	1698	1676	1688	1696	1056
155°	1869	1884	1858	1863	1875	862
165°	1992	2003	1982	1976	1989	563
175°	2049	2060	2032	2022	2028	195
180°	2045	2045	2045	2045	2045	

TEST NUMBER: P1439321

CATALOG NUMBER: CB3-125U-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	4.8	4.5
90°	0.0	0.0	0.0	1.5	0.0
92.5°	23.4	9.0	7.4	8.9	8.6
95°	86.3	15.5	20.0	21.6	21.6
97.5°	173.8	170.5	23.4	28.1	28.4
100°	240.4	247.9	24.7	29.3	30.8
102.5°	314.3	320.7	45.6	30.5	32.1
105°	433.0	439.0	445.3	32.4	33.9
107.5°	551.0	555.5	559.7	503.8	188.6
110°	628.7	633.2	634.9	650.3	653.3



TEST NUMBER: P1439321

CATALOG NUMBER: CB3-125U-030D-930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	701.4	707.1	710.0	723.1	728.5
115°	812.1	818.1	819.8	832.2	836.7
117.5°	917.1	923.5	926.4	936.4	943.6
120°	986.2	993.7	995.4	1007.9	1013.9
122.5°	1054.0	1062.7	1062.0	1073.3	1081.7
125°	1154.1	1161.7	1158.8	1171.3	1178.8
127.5°	1249.4	1253.9	1247.5	1262.8	1269.1
130°	1309.8	1314.3	1306.7	1320.7	1328.3
132.5°	1365.2	1372.2	1363.4	1376.2	1383.7
135°	1450.0	1457.5	1445.4	1456.4	1465.4
137.5°	1525.5	1534.5	1519.9	1532.8	1540.6
140°	1574.8	1583.8	1565.6	1579.6	1588.7
142.5°	1620.4	1631.9	1609.9	1622.8	1633.0
145°	1687.3	1697.8	1676.5	1687.5	1696.5
147.5°	1750.8	1759.8	1739.4	1747.2	1753.5
150°	1789.0	1798.0	1775.1	1783.0	1790.5
152.5°	1819.8	1832.5	1809.6	1815.1	1826.3
155°	1869.1	1884.2	1858.3	1863.2	1875.3
157.5°	1914.4	1928.0	1902.1	1906.3	1916.9
160°	1941.5	1955.1	1929.2	1931.0	1941.5
162.5°	1962.5	1974.8	1952.6	1949.5	1962.5
165°	1992.4	2002.9	1981.6	1975.7	1989.3
167.5°	2017.4	2029.4	2003.2	1998.3	2013.7
170°	2030.9	2043.0	2015.5	2008.2	2024.7
172.5°	2039.5	2050.4	2024.1	2014.3	2027.2
175°	2049.4	2059.9	2032.5	2021.8	2027.8
177.5°	2052.2	2060.6	2038.6	2029.1	2043.5
180°	2044.8	2044.8	2044.8	2044.8	2044.8



TEST NUMBER: P1439321  
 CATALOG NUMBER: CB3-125U-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	8.56	9.18	9.76	10.36	12.04	7.48	8.10	8.68	9.28	10.96
	3H	10.21	10.76	11.41	11.95	13.64	8.88	9.43	10.08	10.62	12.31
	4H	10.83	11.35	12.04	12.54	14.24	9.38	9.91	10.60	11.10	12.79
	6H	11.20	11.68	12.42	12.87	14.58	9.69	10.17	10.91	11.36	13.07
	8H	11.33	11.79	12.55	12.99	14.69	9.80	10.27	11.03	11.47	13.17
	12H	11.39	11.82	12.61	13.02	14.74	9.87	10.31	11.10	11.50	13.23
4H	2H	8.94	9.47	10.16	10.65	12.35	8.08	8.61	9.30	9.79	11.49
	3H	10.80	11.24	12.03	12.45	14.17	9.67	10.12	10.90	11.33	13.04
	4H	11.54	11.95	12.77	13.15	14.87	10.27	10.68	11.50	11.88	13.60
	6H	12.03	12.38	13.26	13.60	15.31	10.67	11.02	11.90	12.24	13.95
	8H	12.22	12.54	13.44	13.75	15.48	10.84	11.16	12.06	12.37	14.10
	12H	12.30	12.60	13.54	13.82	15.55	10.93	11.22	12.17	12.44	14.18
8H	4H	11.65	11.98	12.88	13.19	14.92	10.51	10.84	11.74	12.05	13.78
	6H	12.26	12.53	13.51	13.78	15.51	11.03	11.30	12.28	12.55	14.28
	8H	12.53	12.77	13.78	13.99	15.74	11.28	11.51	12.53	12.74	14.49
	12H	12.69	12.89	13.94	14.12	15.90	11.45	11.65	12.70	12.88	14.66
12H	4H	11.61	11.91	12.86	13.13	14.87	10.50	10.80	11.75	12.02	13.76
	6H	12.28	12.51	13.52	13.74	15.49	11.09	11.32	12.34	12.55	14.30
	8H	12.56	12.77	13.82	13.99	15.77	11.36	11.56	12.61	12.79	14.57