

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: P1439334

Luminaire Tested: CB3-125U-055D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439334  
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-055D-927-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

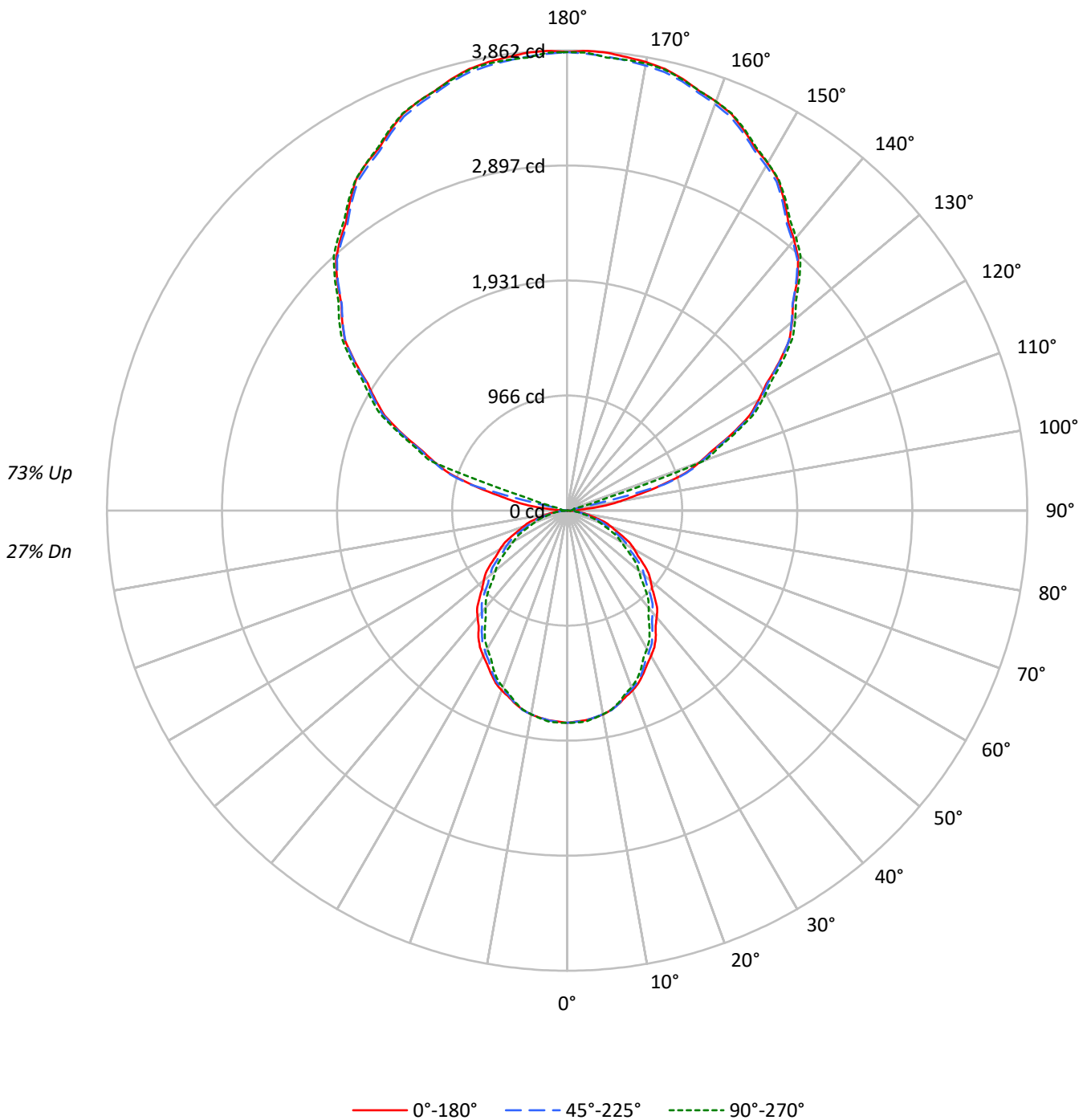
Lumens per Lamp: N/A  
Luminaire Lumens: 15621.5 lumens  
Efficiency: N/A  
Efficacy: 124.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 125.3  
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: P1439334

CATALOG NUMBER: CB3-125U-055D-927-1D-UNV-STD-W-8

### Luminous Intensity Polar Plot





TEST NUMBER: P1439334

CATALOG NUMBER: CB3-125U-055D-927-1D-UNV-STD-W-8

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

RF	20				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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27
1	93	89	85	82	83	79	76	74	62	60	58	46	45	44	31	31	30	23
2	85	77	72	67	75	69	65	60	54	51	48	40	38	36	28	26	25	20
3	77	68	61	56	69	61	55	50	48	44	41	36	33	31	25	23	22	17
4	71	60	53	47	63	54	48	43	43	38	34	32	29	26	22	20	19	14
5	65	54	46	40	58	48	42	37	38	33	30	29	25	23	20	18	16	13
6	59	48	40	35	53	43	36	32	34	29	26	26	23	20	18	16	14	11
7	55	43	36	30	49	39	32	28	31	26	23	23	20	18	16	14	13	10
8	51	39	32	27	45	35	29	24	28	23	20	21	18	16	15	13	11	9
9	47	36	28	23	42	32	26	22	26	21	18	20	16	14	14	12	10	8
10	44	32	26	21	39	29	23	19	24	19	16	18	15	13	13	11	9	7

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	10078	10078	10078
5°	10031	10038	10095
10°	9987	9973	9973
15°	9834	9834	9775
20°	9674	9575	9491
25°	9430	9312	9146
30°	9199	8960	8745
35°	8957	8625	8319
40°	8634	8223	7868
45°	8341	7865	7380
50°	8040	7439	6905
55°	7712	7026	6452
60°	7358	6600	5941
65°	6945	6115	5403
70°	6467	5546	4813
75°	5862	4868	4286
80°	5112	4082	3792
85°	3940	3447	3447

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8341 cd/sqm



TEST NUMBER: P1439334

CATALOG NUMBER: CB3-125U-055D-927-1D-UNV-STD-W-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.1	1.1
10°-20°	472.2	3.0
20°-30°	686.1	4.4
30°-40°	780.0	5.0
40°-50°	757.3	4.8
50°-60°	639.3	4.1
60°-70°	454.9	2.9
70°-80°	243.0	1.6
80°-90°	64.3	0.4
90°-100°	88.9	0.6
100°-110°	643.5	4.1
110°-120°	1530.0	9.8
120°-130°	1954.7	12.5
130°-140°	2108.4	13.5
140°-150°	1987.6	12.7
150°-160°	1621.4	10.4
160°-170°	1056.5	6.8
170°-180°	365.2	2.3
0°-30°	1326.4	8.5
0°-40°	2106.5	13.5
0°-60°	3503.0	22.4
0°-90°	4265.3	27.3
90°-120°	2262.4	14.5
90°-150°	8313.1	53.2
90°-180°	11356.0	72.7
0°-180°	15621.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1782	1782	1782	1782	1782	
5°	1766	1789	1768	1765	1778	168
15°	1679	1694	1679	1669	1669	473
25°	1511	1516	1492	1471	1465	696
35°	1297	1284	1249	1212	1204	808
45°	1043	1026	983	936	922	804
55°	782	761	712	666	654	699
65°	519	500	457	416	404	514
75°	268	253	223	200	196	286
85°	61	56	53	53	53	72
90°	0	0	0	3	0	9
95°	162	29	38	41	41	201
105°	815	826	838	61	64	859
115°	1528	1540	1543	1566	1575	1508
125°	2172	2186	2181	2204	2218	1938
135°	2729	2743	2720	2741	2758	2101
145°	3175	3195	3155	3176	3193	1987
155°	3517	3546	3497	3506	3529	1622
165°	3749	3769	3729	3718	3744	1059
175°	3857	3876	3825	3805	3816	367
180°	3848	3848	3848	3848	3848	

TEST NUMBER: P1439334

CATALOG NUMBER: CB3-125U-055D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1781.5	1781.5	1781.5	1781.5	1781.5
2.5°	1772.4	1790.2	1774.4	1776.5	1780.5
5°	1766.3	1788.6	1767.6	1765.3	1777.7
7.5°	1752.7	1772.9	1751.1	1746.1	1757.2
10°	1738.5	1760.8	1736.0	1729.8	1736.0
12.5°	1713.2	1736.4	1716.7	1706.5	1711.7
15°	1679.0	1693.9	1679.0	1668.9	1668.9
17.5°	1637.3	1652.8	1624.9	1617.7	1615.0
20°	1606.9	1620.5	1590.4	1580.2	1576.5
22.5°	1566.4	1579.0	1554.0	1536.7	1532.0
25°	1510.7	1515.7	1491.8	1471.4	1465.2
27.5°	1454.8	1456.0	1423.2	1398.4	1390.3
30°	1408.2	1409.5	1371.6	1344.8	1338.7
32.5°	1361.7	1358.0	1322.0	1290.2	1286.0
35°	1296.9	1284.5	1248.8	1212.0	1204.5
37.5°	1218.7	1211.3	1169.1	1132.2	1121.0
40°	1169.1	1156.7	1113.4	1076.5	1065.4
42.5°	1119.5	1105.2	1060.8	1019.8	1007.7
45°	1042.6	1026.5	983.1	936.0	922.4
47.5°	965.1	947.6	899.9	854.2	839.1
50°	913.5	895.0	845.2	800.6	784.5
52.5°	860.9	841.3	791.6	746.0	732.8
55°	781.9	760.9	712.3	666.5	654.1
57.5°	703.0	682.2	633.9	590.5	575.7
60°	650.3	630.6	583.3	539.9	525.1
62.5°	596.7	577.9	531.7	489.3	475.5
65°	518.8	500.2	456.8	416.0	403.6
67.5°	441.6	425.7	382.9	345.4	335.5
70°	391.0	376.1	335.3	300.9	291.0
72.5°	342.4	326.5	287.7	258.5	251.5
75°	268.2	253.4	222.7	199.8	196.1
77.5°	200.4	188.3	161.7	148.8	146.8
80°	156.9	145.8	125.3	116.4	116.4
82.5°	116.4	107.2	93.9	90.1	90.1
85°	60.7	55.8	53.1	53.1	53.1
87.5°	18.2	18.2	17.2	16.8	16.2
90°	0.0	0.0	0.0	2.8	0.0
92.5°	44.1	16.9	13.9	16.8	16.2
95°	162.4	29.1	37.7	40.6	40.6
97.5°	327.1	320.9	44.1	52.8	53.4
100°	452.4	466.5	46.4	55.2	58.0
102.5°	591.6	603.5	85.8	57.5	60.3
105°	814.8	826.2	838.0	61.0	63.8
107.5°	1037.0	1045.5	1053.2	948.1	354.9
110°	1183.1	1191.6	1194.7	1223.8	1229.5

TEST NUMBER: P1439334

CATALOG NUMBER: CB3-125U-055D-927-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1320.0	1330.7	1336.2	1360.8	1371.0
115°	1528.2	1539.5	1542.7	1566.1	1574.6
117.5°	1725.9	1737.8	1743.3	1762.2	1775.8
120°	1855.8	1870.0	1873.2	1896.7	1908.0
122.5°	1983.4	1999.9	1998.5	2019.8	2035.6
125°	2171.9	2186.1	2180.6	2204.1	2218.3
127.5°	2351.1	2359.6	2347.6	2376.3	2388.2
130°	2464.8	2473.3	2459.0	2485.4	2499.6
132.5°	2569.2	2582.2	2565.7	2589.8	2604.0
135°	2728.7	2742.9	2720.0	2740.7	2757.7
137.5°	2870.8	2887.8	2860.3	2884.4	2899.2
140°	2963.6	2980.6	2946.2	2972.6	2989.7
142.5°	3049.4	3070.9	3029.7	3053.9	3073.2
145°	3175.2	3195.1	3154.9	3175.6	3192.6
147.5°	3294.7	3311.7	3273.3	3288.0	3299.9
150°	3366.6	3383.6	3340.5	3355.3	3369.5
152.5°	3424.6	3448.4	3405.5	3415.8	3436.8
155°	3517.4	3545.8	3497.1	3506.3	3529.0
157.5°	3602.7	3628.2	3579.5	3587.5	3607.3
160°	3653.7	3679.2	3630.5	3633.9	3653.7
162.5°	3693.1	3716.4	3674.6	3668.8	3693.1
165°	3749.4	3769.2	3729.1	3718.1	3743.6
167.5°	3796.4	3819.1	3769.7	3760.5	3789.4
170°	3821.9	3844.6	3792.9	3779.1	3810.3
172.5°	3838.1	3858.5	3809.1	3790.5	3814.9
175°	3856.7	3876.5	3824.8	3804.7	3816.1
177.5°	3861.9	3877.8	3836.4	3818.4	3845.7
180°	3848.0	3848.0	3848.0	3848.0	3848.0



TEST NUMBER: P1439334

CATALOG NUMBER: CB3-125U-055D-927-1D-UNV-STD-W-8

**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	12.58	13.26	13.71	14.38	15.94	11.50	12.18	12.63	13.30	14.87
	3H	14.23	14.84	15.37	15.97	17.55	12.90	13.51	14.04	14.64	16.22
	4H	14.85	15.43	16.00	16.56	18.15	13.41	13.99	14.56	15.12	16.70
	6H	15.23	15.76	16.38	16.89	18.49	13.71	14.25	14.87	15.38	16.98
	8H	15.36	15.87	16.52	17.02	18.60	13.83	14.34	14.99	15.49	17.08
	12H	15.42	15.90	16.58	17.04	18.65	13.90	14.38	15.07	15.53	17.14
4H	2H	12.96	13.54	14.12	14.67	16.26	12.10	12.68	13.26	13.82	15.40
	3H	14.84	15.32	16.00	16.48	18.07	13.71	14.19	14.87	15.35	16.94
	4H	15.58	16.02	16.74	17.17	18.78	14.30	14.75	15.47	15.90	17.51
	6H	16.07	16.45	17.24	17.62	19.22	14.71	15.09	15.88	16.26	17.86
	8H	16.26	16.61	17.42	17.77	19.39	14.87	15.23	16.04	16.39	18.01
	12H	16.35	16.67	17.53	17.84	19.47	14.97	15.29	16.15	16.46	18.09
8H	4H	15.69	16.05	16.86	17.21	18.83	14.55	14.91	15.72	16.07	17.69
	6H	16.30	16.60	17.49	17.80	19.42	15.07	15.37	16.26	16.57	18.19
	8H	16.58	16.83	17.77	18.01	19.65	15.32	15.58	16.52	16.76	18.40
	12H	16.73	16.96	17.93	18.14	19.81	15.49	15.72	16.69	16.89	18.57
12H	4H	15.66	15.98	16.84	17.15	18.78	14.55	14.87	15.73	16.04	17.67
	6H	16.32	16.57	17.51	17.75	19.39	15.13	15.39	16.32	16.57	18.20
	8H	16.61	16.83	17.81	18.01	19.68	15.40	15.63	16.60	16.81	18.48