

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: P1439353

Luminaire Tested: CB3-125U-085D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439353  
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-085D-940-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

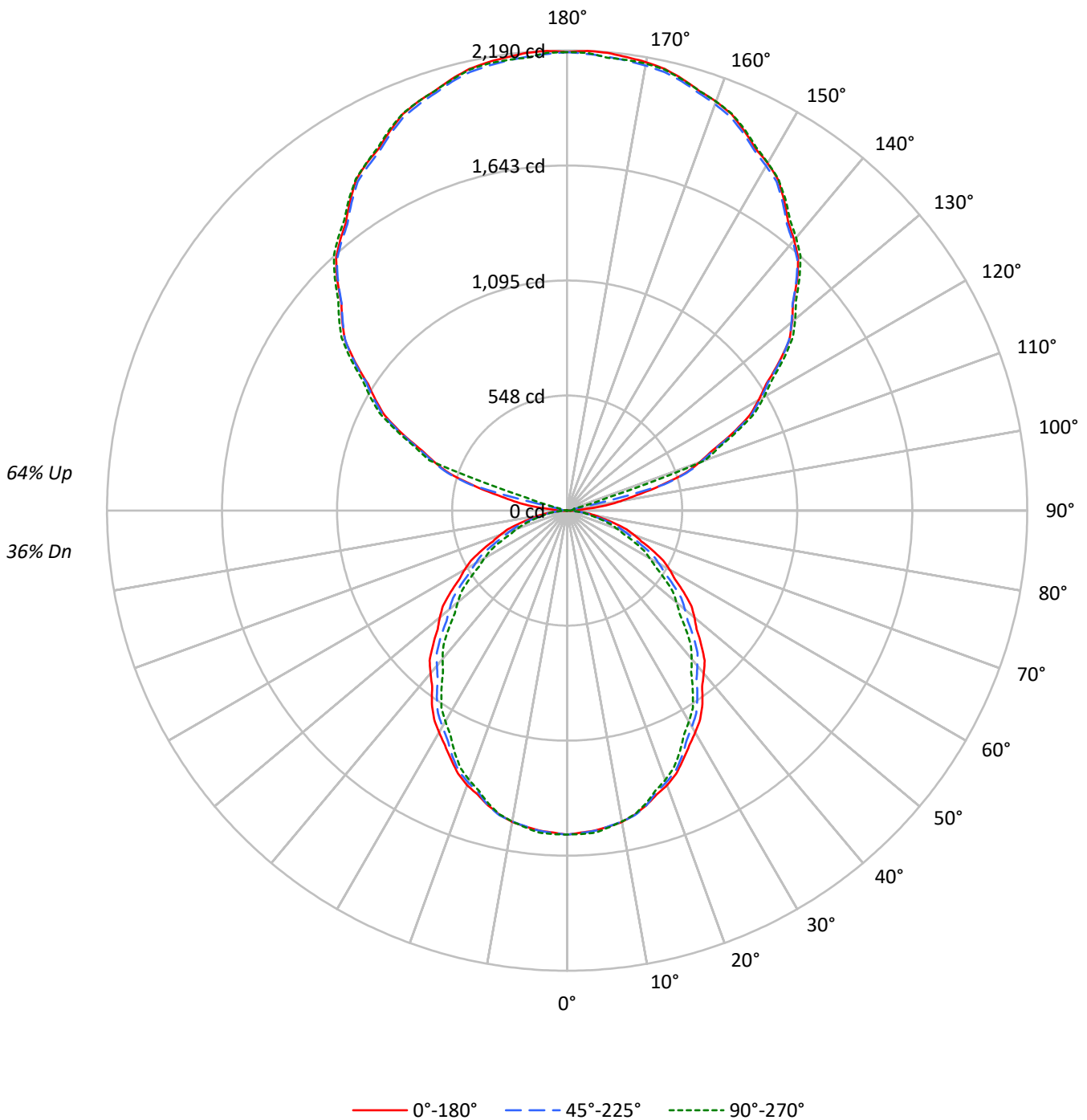
Lumens per Lamp: N/A  
Luminaire Lumens: 10130.6 lumens  
Efficiency: N/A  
Efficacy: 161.1 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 62.9  
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: P1439353

CATALOG NUMBER: CB3-125U-085D-940-1D-UNV-STD-W-4

### Luminous Intensity Polar Plot



TEST NUMBER: P1439353

CATALOG NUMBER: CB3-125U-085D-940-1D-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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	36																				
1	95	91	87	84	86	82	79	76	67	64	62	52	51	49	39	38	37	31																				
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	33	31	26																				
3	79	70	63	57	71	63	57	53	52	47	44	41	38	35	30	29	27	22																				
4	72	62	54	48	65	56	50	45	46	41	37	36	33	30	27	25	23	19																				
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17																				
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15																				
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13																				
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	19	16	14	12																				
9	49	37	29	25	44	34	27	23	28	23	19	22	19	16	17	15	13	11																				
10	45	34	27	22	41	31	25	20	26	21	18	21	17	15	16	14	12	10																				

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

	0°	45°	90°
0°	17445	17445	17445
5°	17363	17375	17475
10°	17287	17261	17261
15°	17021	17021	16919
20°	16745	16574	16428
25°	16323	16118	15831
30°	15924	15508	15137
35°	15503	14929	14400
40°	14944	14234	13618
45°	14438	13615	12774
50°	13916	12876	11950
55°	13349	12161	11167
60°	12738	11423	10283
65°	12021	10583	9352
70°	11195	9600	8333
75°	10151	8424	7419
80°	8848	7063	6561
85°	6829	5972	5972

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14438 cd/sqm



TEST NUMBER: P1439353

CATALOG NUMBER: CB3-125U-085D-940-1D-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.5	1.4
10°-20°	408.7	4.0
20°-30°	593.8	5.9
30°-40°	675.1	6.7
40°-50°	655.4	6.5
50°-60°	553.3	5.5
60°-70°	393.7	3.9
70°-80°	210.3	2.1
80°-90°	55.7	0.5
90°-100°	50.4	0.5
100°-110°	364.9	3.6
110°-120°	867.5	8.6
120°-130°	1108.3	10.9
130°-140°	1195.5	11.8
140°-150°	1127.0	11.1
150°-160°	919.4	9.1
160°-170°	599.0	5.9
170°-180°	207.1	2.0
0°-30°	1148.0	11.3
0°-40°	1823.1	18.0
0°-60°	3031.8	29.9
0°-90°	3691.4	36.4
90°-120°	1282.8	12.7
90°-150°	4713.7	46.5
90°-180°	6439.0	63.6
0°-180°	10130.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1542	1542	1542	1542	1542	
5°	1529	1548	1530	1528	1539	145
15°	1453	1466	1453	1444	1444	409
25°	1308	1312	1291	1273	1268	602
35°	1122	1112	1081	1049	1042	699
45°	902	888	851	810	798	696
55°	677	658	616	577	566	605
65°	449	433	395	360	349	445
75°	232	219	193	173	170	248
85°	53	48	46	46	46	62
90°	0	0	0	2	0	6
95°	92	16	21	23	23	114
105°	462	468	475	35	36	487
115°	866	873	875	888	893	855
125°	1232	1240	1236	1250	1258	1099
135°	1547	1555	1542	1554	1564	1192
145°	1800	1812	1789	1801	1810	1126
155°	1994	2010	1983	1988	2001	920
165°	2126	2137	2114	2108	2123	600
175°	2187	2198	2169	2157	2164	208
180°	2182	2182	2182	2182	2182	

TEST NUMBER: P1439353

CATALOG NUMBER: CB3-125U-085D-940-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1541.8	1541.8	1541.8	1541.8	1541.8
2.5°	1534.0	1549.4	1535.7	1537.5	1541.0
5°	1528.7	1548.0	1529.8	1527.9	1538.6
7.5°	1516.9	1534.4	1515.6	1511.2	1520.8
10°	1504.6	1523.9	1502.4	1497.1	1502.4
12.5°	1482.7	1502.8	1485.8	1476.9	1481.4
15°	1453.1	1466.0	1453.1	1444.4	1444.4
17.5°	1417.0	1430.5	1406.3	1400.1	1397.7
20°	1390.7	1402.5	1376.5	1367.7	1364.4
22.5°	1355.7	1366.6	1345.0	1330.0	1325.9
25°	1307.5	1311.8	1291.1	1273.4	1268.1
27.5°	1259.1	1260.2	1231.7	1210.3	1203.3
30°	1218.8	1219.9	1187.0	1163.9	1158.6
32.5°	1178.5	1175.3	1144.1	1116.7	1113.0
35°	1122.4	1111.7	1080.8	1048.9	1042.5
37.5°	1054.8	1048.3	1011.8	979.9	970.2
40°	1011.8	1001.1	963.7	931.7	922.0
42.5°	968.9	956.5	918.1	882.6	872.1
45°	902.3	888.4	850.9	810.1	798.3
47.5°	835.3	820.1	778.8	739.3	726.2
50°	790.6	774.6	731.5	692.9	678.9
52.5°	745.1	728.2	685.1	645.6	634.3
55°	676.7	658.5	616.5	576.9	566.1
57.5°	608.4	590.4	548.6	511.1	498.3
60°	562.9	545.7	504.8	467.3	454.4
62.5°	516.4	500.2	460.1	423.5	411.5
65°	449.0	432.9	395.3	360.0	349.3
67.5°	382.2	368.5	331.4	299.0	290.4
70°	338.4	325.5	290.2	260.4	251.9
72.5°	296.3	282.6	249.0	223.7	217.7
75°	232.2	219.3	192.7	172.9	169.7
77.5°	173.5	163.0	139.9	128.7	127.0
80°	135.8	126.2	108.4	100.7	100.7
82.5°	100.7	92.8	81.3	78.0	78.0
85°	52.6	48.3	46.0	46.0	46.0
87.5°	15.8	15.8	14.9	14.3	14.0
90°	0.0	0.0	0.0	1.6	0.0
92.5°	25.0	9.6	7.9	9.5	9.2
95°	92.1	16.5	21.4	23.0	23.0
97.5°	185.5	181.9	25.0	29.9	30.3
100°	256.5	264.5	26.3	31.3	32.9
102.5°	335.4	342.2	48.7	32.6	34.2
105°	462.0	468.5	475.2	34.6	36.2
107.5°	588.0	592.8	597.2	537.6	201.3
110°	670.8	675.7	677.4	693.9	697.1



TEST NUMBER: P1439353

CATALOG NUMBER: CB3-125U-085D-940-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	748.4	754.5	757.6	771.6	777.4
115°	866.5	872.9	874.7	888.0	892.8
117.5°	978.6	985.4	988.5	999.2	1006.9
120°	1052.3	1060.3	1062.2	1075.5	1081.9
122.5°	1124.6	1134.0	1133.2	1145.2	1154.2
125°	1231.5	1239.5	1236.4	1249.8	1257.8
127.5°	1333.1	1337.9	1331.1	1347.4	1354.2
130°	1397.6	1402.4	1394.3	1409.3	1417.3
132.5°	1456.8	1464.2	1454.8	1468.5	1476.5
135°	1547.2	1555.2	1542.3	1554.0	1563.6
137.5°	1627.8	1637.4	1621.8	1635.5	1643.9
140°	1680.4	1690.0	1670.5	1685.5	1695.2
142.5°	1729.0	1741.3	1717.9	1731.6	1742.5
145°	1800.4	1811.7	1788.9	1800.6	1810.3
147.5°	1868.1	1877.8	1856.0	1864.3	1871.1
150°	1908.9	1918.6	1894.1	1902.5	1910.6
152.5°	1941.8	1955.3	1930.9	1936.8	1948.7
155°	1994.4	2010.5	1982.9	1988.1	2001.0
157.5°	2042.8	2057.2	2029.6	2034.1	2045.4
160°	2071.7	2086.2	2058.5	2060.4	2071.7
162.5°	2094.1	2107.2	2083.5	2080.2	2094.1
165°	2126.0	2137.2	2114.4	2108.2	2122.7
167.5°	2152.6	2165.4	2137.5	2132.2	2148.6
170°	2167.1	2179.9	2150.6	2142.8	2160.5
172.5°	2176.3	2187.8	2159.8	2149.3	2163.1
175°	2186.8	2198.0	2168.7	2157.3	2163.8
177.5°	2189.7	2198.7	2175.3	2165.1	2180.5
180°	2181.9	2181.9	2181.9	2181.9	2181.9



TEST NUMBER: P1439353

CATALOG NUMBER: CB3-125U-085D-940-1D-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	15.68	16.42	16.74	17.49	18.94	14.60	15.34	15.67	16.41	17.86
	3H	17.33	18.00	18.41	19.08	20.55	16.00	16.67	17.08	17.75	19.22
	4H	17.96	18.59	19.05	19.67	21.15	16.52	17.15	17.60	18.23	19.70
	6H	18.34	18.92	19.44	20.00	21.49	16.83	17.41	17.92	18.49	19.98
	8H	18.47	19.03	19.57	20.12	21.61	16.95	17.50	18.05	18.60	20.08
	12H	18.54	19.06	19.64	20.15	21.66	17.02	17.54	18.12	18.63	20.14
4H	2H	16.07	16.70	17.17	17.78	19.26	15.21	15.84	16.31	16.92	18.40
	3H	17.95	18.48	19.05	19.58	21.07	16.82	17.35	17.92	18.45	19.94
	4H	18.69	19.18	19.80	20.27	21.78	17.42	17.90	18.53	19.00	20.51
	6H	19.19	19.60	20.30	20.72	22.23	17.83	18.24	18.94	19.36	20.86
	8H	19.38	19.76	20.49	20.87	22.40	17.99	18.38	19.11	19.49	21.01
	12H	19.47	19.82	20.60	20.94	22.47	18.09	18.44	19.23	19.57	21.09
8H	4H	18.81	19.20	19.93	20.31	21.83	17.67	18.06	18.79	19.17	20.69
	6H	19.43	19.75	20.56	20.90	22.42	18.20	18.52	19.33	19.67	21.19
	8H	19.70	19.98	20.84	21.11	22.65	18.45	18.73	19.59	19.86	21.40
	12H	19.86	20.11	21.01	21.24	22.81	18.62	18.87	19.77	20.00	21.57
12H	4H	18.78	19.13	19.91	20.25	21.78	17.67	18.02	18.80	19.14	20.67
	6H	19.44	19.72	20.59	20.86	22.39	18.25	18.53	19.40	19.67	21.20
	8H	19.74	19.98	20.88	21.11	22.69	18.53	18.78	19.68	19.91	21.48