

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: P1439476

Luminaire Tested: CB3-B-125U-055D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439476  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-2, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-B-125U-055D-930-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

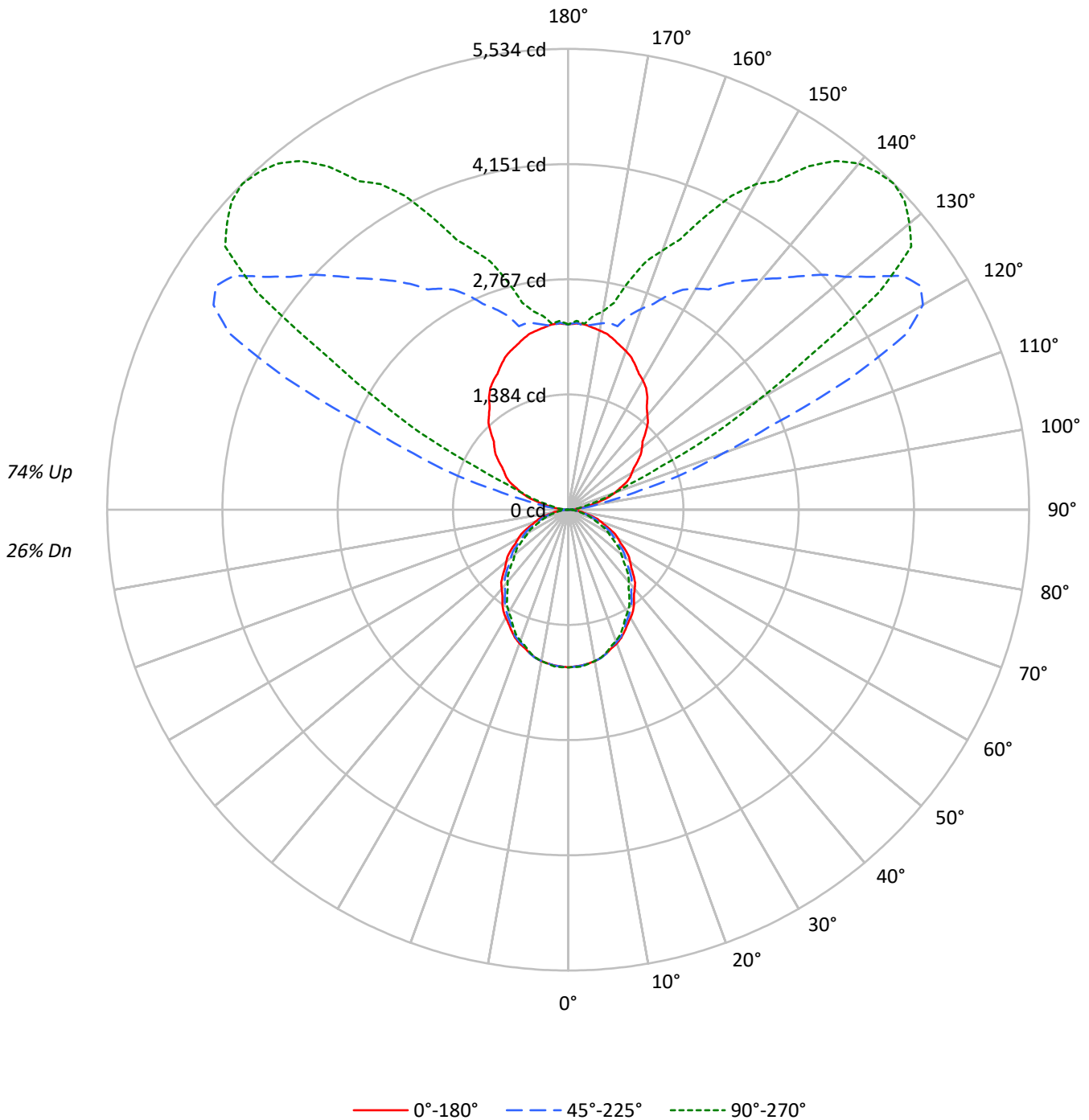
Lumens per Lamp: N/A  
Luminaire Lumens: 17610.1 lumens  
Efficiency: N/A  
Efficacy: 140.5 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

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

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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									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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26																				
1	92	88	85	81	82	79	76	73	61	59	57	45	44	43	30	29	29	22																				
2	84	77	71	66	75	69	64	60	54	50	48	40	37	36	27	25	24	18																				
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	24	22	21	16																				
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	19	18	14																				
5	64	53	46	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12																				
6	59	48	40	34	53	43	36	31	34	29	25	25	22	20	17	15	14	10																				
7	55	43	35	30	49	39	32	27	30	26	22	23	20	17	16	14	12	9																				
8	51	39	31	26	45	35	29	24	28	23	20	21	18	15	14	12	11	8																				
9	47	35	28	23	42	32	26	21	25	21	17	19	16	14	13	11	10	8																				
10	44	32	25	21	39	29	23	19	23	19	16	18	14	12	12	10	9	7																				

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

	0°	45°	90°
0°	10711	10711	10711
5°	10660	10668	10729
10°	10614	10598	10598
15°	10451	10451	10388
20°	10282	10176	10087
25°	10022	9896	9720
30°	9777	9522	9294
35°	9519	9166	8841
40°	9176	8739	8361
45°	8865	8359	7843
50°	8545	7906	7338
55°	8196	7467	6857
60°	7821	7014	6315
65°	7380	6498	5743
70°	6873	5893	5116
75°	6232	5174	4555
80°	5431	4336	4030
85°	4187	3667	3667

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8865 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.6	1.0
10°-20°	501.9	2.8
20°-30°	729.2	4.1
30°-40°	829.0	4.7
40°-50°	804.8	4.6
50°-60°	679.5	3.9
60°-70°	483.4	2.7
70°-80°	258.3	1.5
80°-90°	68.2	0.4
90°-100°	150.4	0.9
100°-110°	787.9	4.5
110°-120°	1983.3	11.3
120°-130°	3059.8	17.4
130°-140°	2801.1	15.9
140°-150°	2067.2	11.7
150°-160°	1317.8	7.5
160°-170°	693.7	3.9
170°-180°	216.0	1.2
0°-30°	1409.7	8.0
0°-40°	2238.7	12.7
0°-60°	3723.0	21.1
0°-90°	4532.9	25.7
90°-120°	2921.6	16.6
90°-150°	10849.7	61.6
90°-180°	13077.0	74.3
0°-180°	17610.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1893	1893	1893	1893	1893	
5°	1877	1901	1879	1876	1889	178
15°	1784	1800	1784	1774	1774	503
25°	1606	1611	1585	1564	1557	740
35°	1378	1365	1327	1288	1280	859
45°	1108	1091	1045	995	980	855
55°	831	809	757	708	695	743
65°	551	532	485	442	429	546
75°	285	269	237	212	208	304
85°	64	59	56	56	56	76
90°	0	0	0	0	0	6
95°	78	222	88	49	49	99
105°	402	1244	901	371	304	429
115°	764	1559	3742	1627	1234	744
125°	1019	1574	4897	4938	4564	911
135°	1312	1753	3967	5409	5534	1014
145°	1655	1914	3310	4603	5034	1029
155°	1910	2054	2840	3515	3879	881
165°	2116	2173	2282	2668	2850	596
175°	2233	2281	2214	2224	2243	211
180°	2223	2223	2223	2223	2223	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1893.3	1893.3	1893.3	1893.3	1893.3
2.5°	1883.7	1902.6	1885.8	1888.1	1892.3
5°	1877.2	1900.9	1878.6	1876.2	1889.3
7.5°	1862.7	1884.2	1861.1	1855.7	1867.5
10°	1847.6	1871.3	1844.9	1838.4	1844.9
12.5°	1820.7	1845.4	1824.5	1813.6	1819.1
15°	1784.4	1800.2	1784.4	1773.7	1773.7
17.5°	1740.0	1756.6	1726.9	1719.3	1716.4
20°	1707.8	1722.2	1690.3	1679.4	1675.5
22.5°	1664.7	1678.2	1651.6	1633.2	1628.2
25°	1605.6	1610.8	1585.4	1563.7	1557.2
27.5°	1546.1	1547.5	1512.5	1486.2	1477.6
30°	1496.7	1498.0	1457.7	1429.3	1422.7
32.5°	1447.2	1443.2	1404.9	1371.2	1366.8
35°	1378.3	1365.2	1327.2	1288.0	1280.2
37.5°	1295.2	1287.3	1242.5	1203.2	1191.4
40°	1242.5	1229.4	1183.3	1144.1	1132.2
42.5°	1189.8	1174.5	1127.4	1083.8	1070.9
45°	1108.0	1090.9	1044.8	994.8	980.3
47.5°	1025.7	1007.1	956.4	907.8	891.8
50°	970.9	951.2	898.3	850.8	833.7
52.5°	914.9	894.2	841.2	792.8	778.9
55°	831.0	808.7	757.1	708.4	695.2
57.5°	747.1	725.0	673.7	627.6	611.8
60°	691.2	670.1	619.9	573.8	558.1
62.5°	634.2	614.2	565.0	520.1	505.3
65°	551.3	531.6	485.4	442.1	429.0
67.5°	469.3	452.5	406.9	367.1	356.6
70°	415.5	399.7	356.3	319.8	309.3
72.5°	363.9	347.0	305.8	274.7	267.3
75°	285.1	269.3	236.7	212.4	208.4
77.5°	213.0	200.1	171.9	158.1	156.0
80°	166.7	154.9	133.1	123.7	123.7
82.5°	123.7	114.0	99.8	95.7	95.7
85°	64.5	59.3	56.5	56.5	56.5
87.5°	19.4	19.4	18.3	17.2	17.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	23.5	54.2	15.7	8.0	15.7
95°	78.4	222.0	88.2	49.0	49.0
97.5°	162.6	495.9	227.2	121.2	109.7
100°	225.3	704.1	352.6	175.9	156.7
102.5°	295.8	912.5	532.8	238.2	203.7
105°	401.6	1244.3	901.1	370.7	303.6
107.5°	519.1	1471.0	1484.8	571.4	460.3
110°	597.5	1564.7	1978.5	750.3	577.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	668.0	1589.3	2636.7	1023.1	789.4
115°	764.0	1558.8	3741.5	1626.8	1234.1
117.5°	834.5	1483.8	4579.9	2588.0	1996.1
120°	881.5	1484.8	4916.8	3315.1	2654.3
122.5°	936.4	1493.7	5010.9	4037.2	3430.0
125°	1018.6	1574.1	4897.2	4937.7	4564.2
127.5°	1100.9	1633.4	4591.7	5307.9	5191.1
130°	1155.7	1672.9	4348.7	5434.0	5347.8
132.5°	1210.6	1712.4	4176.4	5436.9	5481.0
135°	1312.5	1753.0	3966.8	5409.4	5533.9
137.5°	1416.3	1803.2	3770.9	5238.1	5496.7
140°	1479.0	1842.9	3614.2	5052.6	5426.1
142.5°	1549.5	1875.1	3465.3	4880.8	5277.3
145°	1655.3	1913.8	3310.5	4603.4	5034.4
147.5°	1737.5	1934.8	3136.2	4323.5	4679.8
150°	1792.4	1936.0	3065.7	4074.7	4515.3
152.5°	1839.4	1975.4	2979.5	3846.6	4248.8
155°	1909.9	2053.6	2840.4	3514.7	3878.6
157.5°	1980.4	2118.3	2675.9	3267.2	3514.3
160°	2027.5	2142.4	2566.2	3147.7	3310.5
162.5°	2066.6	2166.2	2448.6	2944.5	3130.3
165°	2115.6	2173.1	2282.1	2668.2	2850.2
167.5°	2160.7	2189.4	2295.8	2397.1	2544.6
170°	2184.2	2212.9	2272.3	2371.4	2419.2
172.5°	2207.7	2251.7	2241.0	2308.5	2348.7
175°	2233.1	2281.0	2213.6	2223.8	2242.9
177.5°	2239.0	2262.0	2246.9	2247.4	2270.4
180°	2223.3	2223.3	2223.3	2223.3	2223.3

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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	12.55	13.22	13.69	14.36	15.94	11.47	12.15	12.62	13.28	14.86
	3H	14.20	14.81	15.35	15.95	17.54	12.87	13.47	14.02	14.61	16.21
	4H	14.82	15.40	15.98	16.54	18.14	13.38	13.95	14.54	15.09	16.69
	6H	15.20	15.73	16.37	16.87	18.48	13.69	14.22	14.86	15.36	16.97
	8H	15.33	15.83	16.50	16.99	18.59	13.81	14.31	14.98	15.46	17.07
	12H	15.39	15.87	16.57	17.02	18.65	13.87	14.35	15.05	15.50	17.13
4H	2H	12.94	13.51	14.10	14.65	16.25	12.08	12.65	13.24	13.79	15.39
	3H	14.81	15.29	15.98	16.45	18.06	13.68	14.16	14.85	15.32	16.93
	4H	15.55	15.99	16.72	17.14	18.77	14.28	14.72	15.45	15.87	17.50
	6H	16.04	16.42	17.22	17.59	19.21	14.68	15.05	15.86	16.23	17.85
	8H	16.23	16.58	17.40	17.75	19.38	14.85	15.20	16.02	16.36	18.00
	12H	16.32	16.63	17.51	17.81	19.46	14.94	15.26	16.13	16.44	18.08
8H	4H	15.66	16.01	16.84	17.18	18.82	14.52	14.88	15.70	16.04	17.68
	6H	16.27	16.56	17.47	17.77	19.41	15.05	15.33	16.24	16.54	18.18
	8H	16.55	16.80	17.75	17.99	19.64	15.30	15.55	16.50	16.73	18.39
	12H	16.70	16.93	17.91	18.11	19.80	15.46	15.68	16.67	16.87	18.56
12H	4H	15.63	15.95	16.82	17.12	18.77	14.52	14.84	15.71	16.01	17.66
	6H	16.29	16.54	17.49	17.73	19.38	15.10	15.35	16.30	16.54	18.20
	8H	16.58	16.80	17.79	17.99	19.67	15.37	15.60	16.58	16.78	18.47