

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: P1439492

Luminaire Tested: CB3-B-125U-120D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439492  
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-120D-930-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

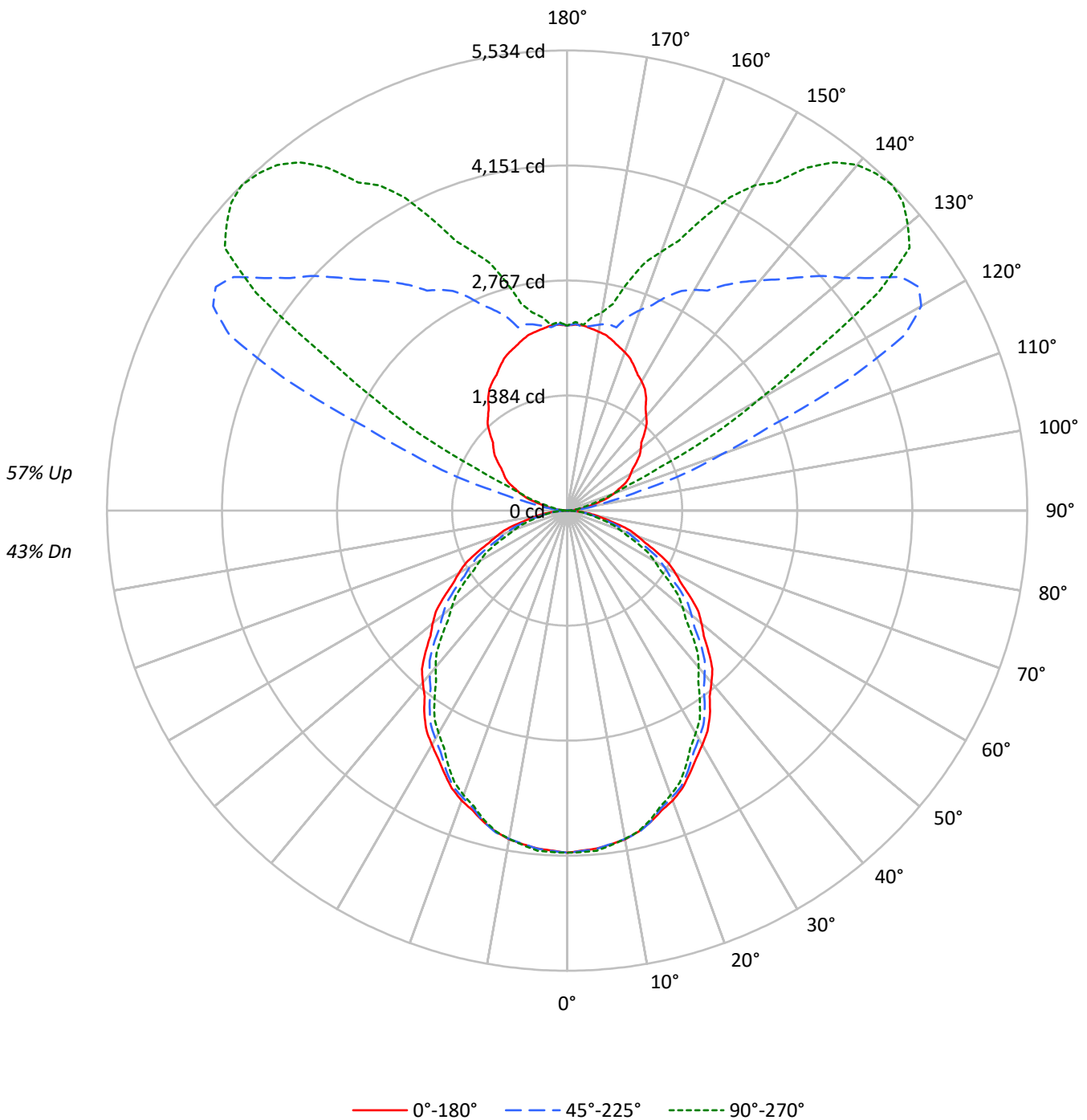
Lumens per Lamp: N/A  
Luminaire Lumens: 22926.6 lumens  
Efficiency: N/A  
Efficacy: 135.4 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 169.3  
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	105	105	105	105	96	96	96	96	79	79	79	64	64	64	50	50	50	43																				
1	96	92	88	85	88	84	81	78	70	68	65	56	55	53	44	43	42	37																				
2	88	81	75	70	80	74	69	64	61	58	54	50	47	45	39	37	36	31																				
3	80	71	64	58	73	65	59	54	54	50	46	44	41	38	35	32	31	26																				
4	73	63	55	49	67	58	51	46	48	43	39	39	36	33	31	29	26	23																				
5	67	56	48	42	61	52	45	39	43	38	34	35	31	28	28	25	23	20																				
6	62	50	42	37	57	46	39	34	39	34	30	32	28	25	25	23	20	17																				
7	57	45	38	32	52	42	35	30	35	30	26	29	25	22	23	20	18	16																				
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	21	19	16	14																				
9	50	38	30	25	45	35	28	24	30	24	21	25	21	18	20	17	15	13																				
10	46	34	27	23	42	32	26	21	27	22	19	23	19	16	18	16	13	11																				

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

	0°	45°	90°
0°	23274	23274	23274
5°	23164	23181	23313
10°	23063	23029	23029
15°	22709	22709	22572
20°	22340	22112	21918
25°	21777	21503	21120
30°	21244	20690	20194
35°	20684	19917	19210
40°	19938	18989	18169
45°	19262	18164	17041
50°	18567	17178	15944
55°	17810	16225	14899
60°	16992	15241	13720
65°	16037	14120	12477
70°	14935	12808	11115
75°	13539	11242	9900
80°	11803	9425	8757
85°	9107	7964	7964

**MAXIMUM LUMINANCE 45°-90°:**

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



TEST NUMBER: P1439492

CATALOG NUMBER: CB3-B-125U-120D-930-1D-UNV-STD-W-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	388.2	1.7
10°-20°	1090.5	4.8
20°-30°	1584.4	6.9
30°-40°	1801.4	7.9
40°-50°	1748.7	7.6
50°-60°	1476.4	6.4
60°-70°	1050.4	4.6
70°-80°	561.2	2.4
80°-90°	148.3	0.6
90°-100°	150.4	0.7
100°-110°	787.9	3.4
110°-120°	1983.3	8.7
120°-130°	3059.8	13.3
130°-140°	2801.1	12.2
140°-150°	2067.2	9.0
150°-160°	1317.8	5.7
160°-170°	693.7	3.0
170°-180°	216.0	0.9
0°-30°	3063.1	13.4
0°-40°	4864.4	21.2
0°-60°	8089.5	35.3
0°-90°	9849.4	43.0
90°-120°	2921.6	12.7
90°-150°	10849.7	47.3
90°-180°	13077.0	57.0
0°-180°	22926.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4114	4114	4114	4114	4114	
5°	4079	4130	4082	4077	4105	387
15°	3877	3912	3877	3854	3854	1092
25°	3489	3500	3445	3398	3384	1607
35°	2995	2966	2884	2799	2782	1866
45°	2408	2370	2270	2162	2130	1857
55°	1806	1757	1645	1539	1511	1614
65°	1198	1155	1055	961	932	1187
75°	619	585	514	462	453	660
85°	140	129	123	123	123	166
90°	0	0	0	0	0	9
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	

TEST NUMBER: P1439492

CATALOG NUMBER: CB3-B-125U-120D-930-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4114.0	4114.0	4114.0	4114.0	4114.0
2.5°	4093.0	4134.1	4097.6	4102.5	4111.7
5°	4078.9	4130.4	4081.9	4076.7	4105.2
7.5°	4047.4	4094.2	4043.9	4032.2	4057.9
10°	4014.7	4066.1	4008.8	3994.5	4008.8
12.5°	3956.2	4009.9	3964.4	3940.7	3952.7
15°	3877.3	3911.6	3877.3	3854.0	3854.0
17.5°	3780.9	3816.9	3752.3	3735.8	3729.5
20°	3710.8	3742.2	3672.8	3649.2	3640.7
22.5°	3617.3	3646.4	3588.6	3548.7	3537.8
25°	3488.7	3500.1	3444.9	3397.8	3383.5
27.5°	3359.6	3362.4	3286.5	3229.4	3210.6
30°	3252.0	3254.9	3167.3	3105.6	3091.3
32.5°	3144.5	3136.0	3052.8	2979.5	2969.8
35°	2994.9	2966.4	2883.9	2798.8	2781.6
37.5°	2814.4	2797.2	2699.8	2614.5	2588.8
40°	2699.8	2671.2	2571.3	2485.9	2460.2
42.5°	2585.3	2552.1	2449.7	2355.0	2327.0
45°	2407.6	2370.5	2270.3	2161.5	2130.0
47.5°	2228.8	2188.2	2078.0	1972.6	1937.8
50°	2109.6	2066.7	1951.8	1848.7	1811.6
52.5°	1988.0	1942.9	1827.9	1722.6	1692.4
55°	1805.7	1757.2	1645.0	1539.2	1510.6
57.5°	1623.4	1575.4	1463.9	1363.7	1329.5
60°	1501.8	1456.1	1347.0	1246.9	1212.6
62.5°	1378.0	1334.5	1227.8	1130.0	1098.0
65°	1198.0	1155.1	1054.8	960.6	932.1
67.5°	1019.7	983.2	884.2	797.7	774.9
70°	902.9	868.6	774.3	694.9	672.0
72.5°	790.7	754.1	664.4	596.9	580.9
75°	619.4	585.2	514.3	461.5	452.9
77.5°	462.8	434.8	373.4	343.5	338.9
80°	362.3	336.6	289.3	268.8	268.8
82.5°	268.8	247.7	216.8	208.0	208.0
85°	140.3	128.8	122.7	122.7	122.7
87.5°	42.1	42.1	39.7	37.4	37.4
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



TEST NUMBER: P1439492

CATALOG NUMBER: CB3-B-125U-120D-930-1D-UNV-STD-W-8

**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	17.39	18.19	18.41	19.21	20.58	16.32	17.11	17.33	18.13	19.50
	3H	19.06	19.77	20.08	20.80	22.19	17.72	18.43	18.75	19.47	20.86
	4H	19.68	20.36	20.72	21.39	22.79	18.24	18.91	19.28	19.95	21.34
	6H	20.07	20.68	21.11	21.72	23.13	18.55	19.17	19.60	20.21	21.62
	8H	20.20	20.79	21.26	21.85	23.25	18.67	19.26	19.73	20.32	21.72
	12H	20.27	20.82	21.32	21.87	23.30	18.75	19.31	19.81	20.36	21.79
4H	2H	17.79	18.47	18.84	19.50	20.90	16.94	17.61	17.98	18.64	20.04
	3H	19.68	20.24	20.73	21.30	22.71	18.55	19.11	19.60	20.17	21.58
	4H	20.42	20.94	21.48	21.99	23.42	19.15	19.67	20.21	20.72	22.15
	6H	20.92	21.36	21.99	22.44	23.87	19.56	20.00	20.63	21.08	22.51
	8H	21.11	21.52	22.18	22.59	24.04	19.73	20.14	20.80	21.21	22.65
	12H	21.21	21.58	22.29	22.66	24.11	19.83	20.20	20.92	21.29	22.74
8H	4H	20.55	20.96	21.62	22.03	23.47	19.41	19.82	20.48	20.89	22.33
	6H	21.16	21.50	22.26	22.62	24.06	19.93	20.27	21.03	21.39	22.83
	8H	21.44	21.74	22.54	22.83	24.29	20.19	20.48	21.29	21.58	23.04
	12H	21.60	21.86	22.70	22.95	24.45	20.36	20.62	21.46	21.71	23.21
12H	4H	20.52	20.89	21.61	21.97	23.42	19.41	19.78	20.50	20.86	22.31
	6H	21.18	21.48	22.28	22.57	24.03	19.99	20.29	21.09	21.38	22.84
	8H	21.48	21.74	22.58	22.83	24.33	20.27	20.53	21.37	21.62	23.12