

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: P1438953

Luminaire Tested: CB2-B-125U-055D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438953  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-B-125U-055D-927-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

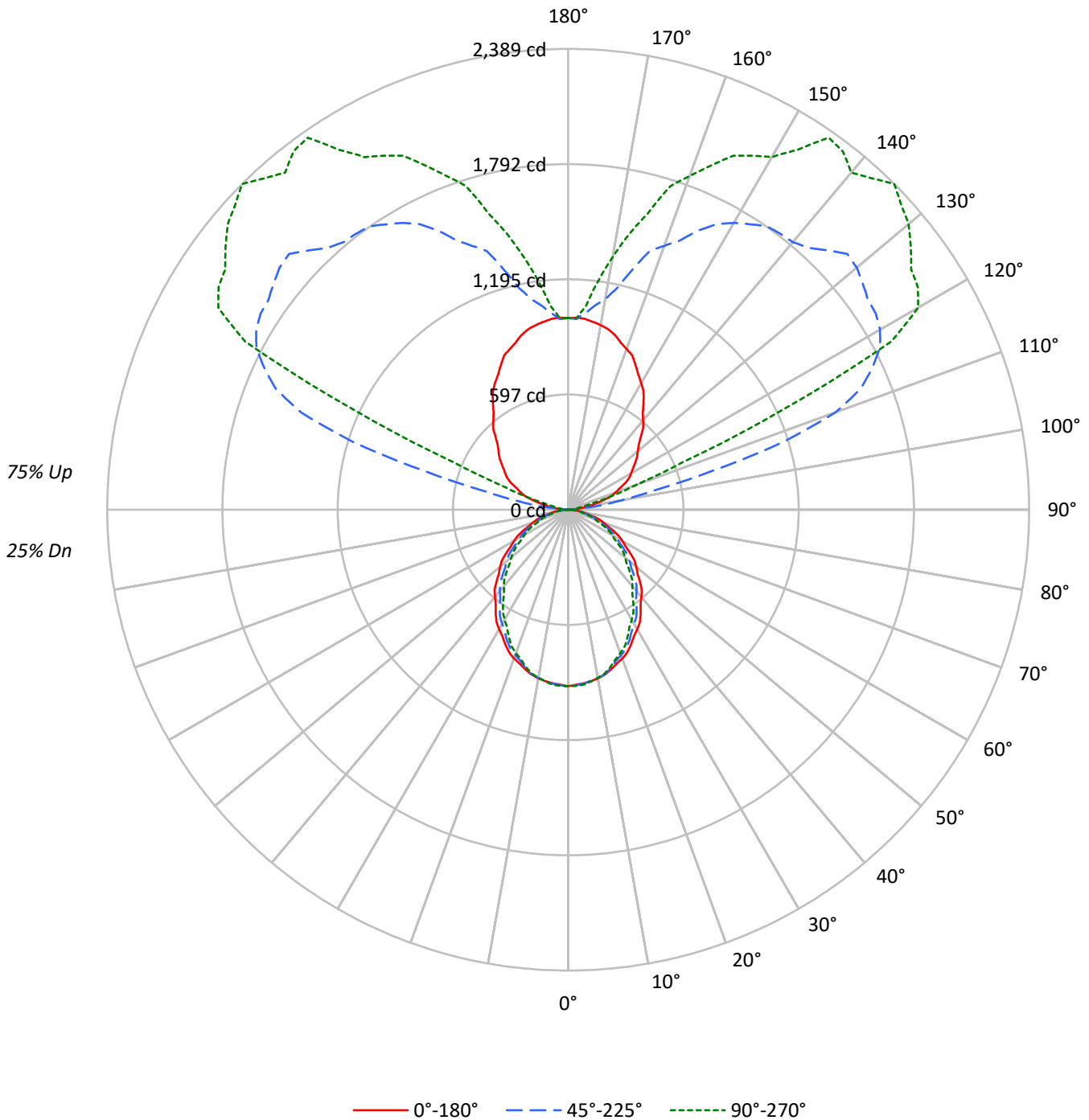
Lumens per Lamp: N/A  
Luminaire Lumens: 8658.3 lumens  
Efficiency: N/A  
Efficacy: 150.6 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 57.5  
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					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	0	
RCR																						
0	101	101	101	101	90	90	90	90	69	69	69	50	50	50	33	33	33	25				
1	92	88	84	81	82	79	75	73	61	59	57	44	43	42	29	28	28	21				
2	84	77	71	66	75	69	64	60	53	50	47	39	37	35	26	25	24	18				
3	77	68	61	55	68	60	55	50	47	43	40	34	32	30	23	21	20	15				
4	70	60	52	47	62	54	47	42	42	37	34	31	28	25	20	19	17	13				
5	64	53	45	40	57	48	41	36	37	33	29	27	24	22	18	17	15	11				
6	59	48	40	34	52	43	36	31	33	29	25	25	22	19	17	15	13	10				
7	54	43	35	30	48	38	32	27	30	25	22	23	19	17	15	13	12	9				
8	50	39	31	26	45	35	28	24	27	23	19	21	17	15	14	12	11	8				
9	47	35	28	23	42	32	26	21	25	21	17	19	16	13	13	11	10	7				
10	44	32	25	21	39	29	23	19	23	19	15	17	14	12	12	10	9	7				

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

	0°	45°	90°
0°	15930	15930	15930
5°	15795	15819	15930
10°	15705	15668	15656
15°	15457	15356	15230
20°	15214	14874	14667
25°	14804	14387	13983
30°	14394	13761	13240
35°	13923	13119	12494
40°	13424	12514	11782
45°	12919	11885	11092
50°	12467	11272	10419
55°	11910	10634	9781
60°	11269	10025	9148
65°	10592	9351	8515
70°	9844	8596	7705
75°	8957	7779	6972
80°	8004	6811	6319
85°	6155	5596	4616

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12919 cd/sqm



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CATALOG NUMBER: CB2-B-125U-055D-927-1D-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.0	1.0
10°-20°	239.8	2.8
20°-30°	344.7	4.0
30°-40°	387.5	4.5
40°-50°	374.3	4.3
50°-60°	316.2	3.7
60°-70°	227.1	2.6
70°-80°	124.2	1.4
80°-90°	33.0	0.4
90°-100°	74.4	0.9
100°-110°	460.8	5.3
110°-120°	1162.1	13.4
120°-130°	1397.0	16.1
130°-140°	1266.6	14.6
140°-150°	1010.0	11.7
150°-160°	689.0	8.0
160°-170°	364.4	4.2
170°-180°	101.4	1.2
0°-30°	670.5	7.7
0°-40°	1057.9	12.2
0°-60°	1748.5	20.2
0°-90°	2132.7	24.6
90°-120°	1697.3	19.6
90°-150°	5370.9	62.0
90°-180°	6526.0	75.4
0°-180°	8658.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	915	915	915	915	915	
5°	903	916	905	905	911	86
15°	857	865	852	843	845	242
25°	770	771	749	732	728	355
35°	655	647	617	593	588	409
45°	524	514	482	457	450	405
55°	392	378	350	328	322	351
65°	257	247	227	211	207	255
75°	133	125	116	106	104	142
85°	31	29	28	24	23	37
90°	0	0	0	0	0	3
95°	38	97	30	21	21	49
105°	188	527	762	191	128	198
115°	325	719	1738	1618	1233	319
125°	424	872	1896	2158	2170	379
135°	531	966	1901	2225	2389	413
145°	681	1016	1794	2162	2354	426
155°	826	1036	1597	1924	2025	380
165°	938	1025	1288	1517	1588	263
175°	993	1006	1023	1041	1062	94
180°	993	993	993	993	993	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	914.6	914.6	914.6	914.6	914.6
2.5°	908.4	919.4	911.2	912.4	914.0
5°	903.4	915.7	904.8	904.9	911.1
7.5°	896.9	908.6	894.8	892.3	898.1
10°	888.0	899.6	885.9	881.1	885.2
12.5°	876.2	887.3	874.1	866.5	870.1
15°	857.2	864.7	851.6	843.2	844.6
17.5°	836.4	841.1	822.2	815.1	813.8
20°	820.8	824.9	802.5	792.7	791.3
22.5°	800.6	804.1	780.7	768.6	766.7
25°	770.3	771.0	748.6	731.7	727.6
27.5°	738.7	736.5	711.6	691.6	686.3
30°	715.7	713.0	684.2	663.1	658.3
32.5°	691.1	686.1	657.3	634.5	629.7
35°	654.8	647.3	617.0	593.0	587.6
37.5°	616.1	607.6	577.9	551.8	545.7
40°	590.4	580.8	550.4	524.4	518.2
42.5°	564.6	553.9	523.0	496.9	490.2
45°	524.5	513.6	482.5	457.1	450.3
47.5°	486.4	472.5	442.3	417.1	410.2
50°	460.1	445.0	416.0	391.3	384.5
52.5°	433.2	417.6	389.6	366.1	359.3
55°	392.2	377.8	350.2	328.3	322.1
57.5°	351.6	337.7	312.5	291.6	285.6
60°	323.5	311.9	287.8	268.1	262.6
62.5°	296.6	286.1	263.2	245.1	239.6
65°	257.0	247.4	226.9	210.7	206.6
67.5°	218.5	208.9	192.3	177.8	173.1
70°	193.3	183.7	168.8	155.4	151.3
72.5°	169.2	159.1	146.9	134.7	131.7
75°	133.1	124.8	115.6	106.4	103.6
77.5°	101.1	93.2	86.4	80.0	79.3
80°	79.8	73.0	67.9	63.7	63.0
82.5°	59.7	54.5	51.1	48.0	47.9
85°	30.8	28.8	28.0	24.5	23.1
87.5°	9.0	9.0	7.8	6.7	6.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	10.3	17.0	6.8	6.8	6.8
95°	38.5	97.1	30.0	21.4	21.4
97.5°	80.5	232.8	161.8	43.5	37.7
100°	111.3	337.3	278.2	63.9	51.4
102.5°	142.1	428.4	439.2	101.4	78.8
105°	188.4	527.4	762.0	191.2	128.4
107.5°	233.7	592.0	1167.8	394.5	238.0
110°	261.1	629.5	1472.6	615.1	368.1



TEST NUMBER: P1438953

CATALOG NUMBER: CB2-B-125U-055D-927-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	288.5	666.9	1640.4	986.0	635.3
115°	325.3	718.8	1738.0	1617.9	1232.8
117.5°	356.2	766.3	1821.9	2000.8	1887.8
120°	376.7	803.6	1866.4	2055.6	2093.3
122.5°	397.2	830.9	1890.4	2076.9	2148.1
125°	423.8	871.6	1896.4	2157.8	2170.3
127.5°	450.3	902.4	1924.6	2232.1	2238.0
130°	470.9	922.9	1952.0	2257.0	2303.0
132.5°	494.9	940.2	1962.3	2271.2	2340.7
135°	530.8	966.1	1900.6	2225.4	2388.6
137.5°	576.2	984.7	1841.6	2224.1	2329.6
140°	603.6	988.7	1810.7	2273.2	2281.6
142.5°	634.4	999.4	1803.9	2267.8	2339.8
145°	680.6	1015.5	1793.6	2161.9	2354.4
147.5°	726.9	1025.7	1754.2	2044.9	2213.1
150°	757.7	1029.7	1716.6	2005.8	2110.4
152.5°	788.5	1033.8	1668.6	1981.4	2069.3
155°	826.2	1035.5	1596.7	1924.3	2024.8
157.5°	865.6	1030.5	1510.2	1820.1	1929.7
160°	886.1	1024.2	1455.4	1744.4	1840.7
162.5°	906.7	1021.3	1407.5	1645.5	1758.5
165°	937.5	1025.4	1288.5	1517.0	1588.1
167.5°	958.0	1021.6	1177.2	1364.4	1464.9
170°	971.7	1021.9	1108.7	1247.6	1331.3
172.5°	982.0	1005.4	1067.6	1140.8	1197.7
175°	993.1	1005.7	1023.1	1040.7	1061.6
177.5°	996.5	1003.2	989.7	986.4	993.1
180°	993.1	993.1	993.1	993.1	993.1



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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	13.61	14.27	14.76	15.41	17.00	12.51	13.17	13.66	14.31	15.90
	3H	15.24	15.83	16.39	16.98	18.59	14.02	14.62	15.18	15.76	17.37
	4H	15.86	16.42	17.02	17.57	19.18	14.58	15.15	15.75	16.30	17.91
	6H	16.25	16.77	17.42	17.92	19.54	14.95	15.47	16.12	16.61	18.24
	8H	16.39	16.89	17.57	18.05	19.67	15.08	15.58	16.26	16.74	18.35
	12H	16.46	16.93	17.64	18.08	19.72	15.14	15.61	16.32	16.76	18.40
4H	2H	13.99	14.56	15.17	15.70	17.32	13.12	13.68	14.29	14.83	16.44
	3H	15.84	16.32	17.02	17.49	19.11	14.83	15.31	16.01	16.48	18.10
	4H	16.58	17.02	17.76	18.17	19.82	15.50	15.94	16.68	17.09	18.74
	6H	17.09	17.46	18.27	18.64	20.28	15.96	16.34	17.15	17.52	19.15
	8H	17.29	17.64	18.47	18.81	20.46	16.15	16.50	17.33	17.67	19.32
	12H	17.39	17.70	18.59	18.89	20.54	16.23	16.54	17.43	17.73	19.38
8H	4H	16.72	17.07	17.91	18.24	19.89	15.76	16.11	16.94	17.28	18.93
	6H	17.36	17.64	18.56	18.86	20.50	16.35	16.64	17.56	17.86	19.50
	8H	17.65	17.89	18.85	19.09	20.75	16.63	16.88	17.84	18.07	19.74
	12H	17.81	18.03	19.02	19.22	20.92	16.77	16.99	17.98	18.18	19.88
12H	4H	16.69	17.01	17.89	18.19	19.85	15.75	16.07	16.95	17.25	18.91
	6H	17.38	17.63	18.59	18.82	20.49	16.42	16.67	17.62	17.86	19.53
	8H	17.69	17.91	18.90	19.10	20.80	16.71	16.93	17.92	18.12	19.82