

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: P1439457

Luminaire Tested: CB3-B-085U-120D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439457  
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-085U-120D-927-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

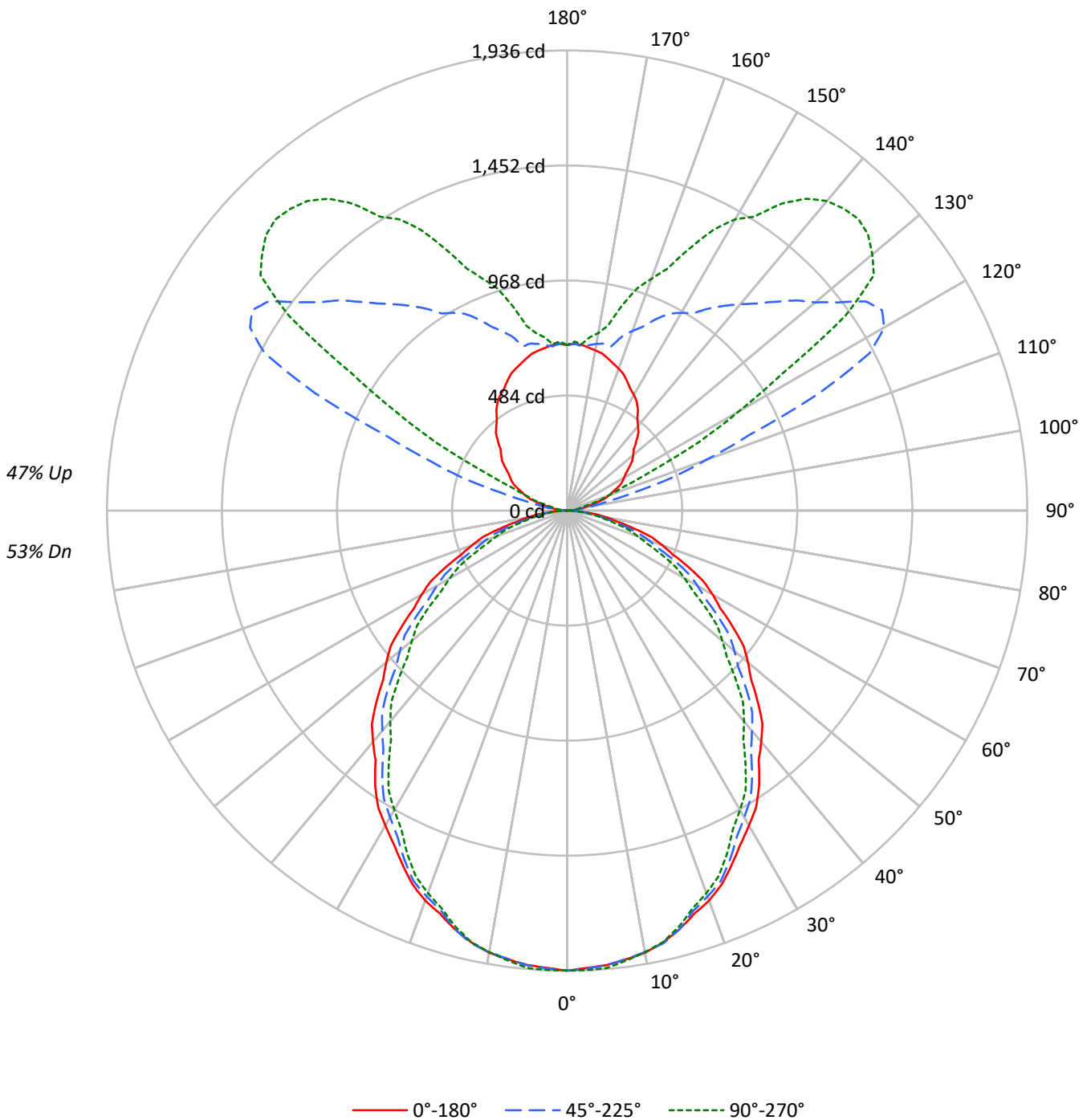
Lumens per Lamp: N/A  
Luminaire Lumens: 8731.4 lumens  
Efficiency: N/A  
Efficacy: 140.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 62  
Input Voltage (V): 120  
Input Current (Ain): 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	0
RCR																		
0	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	99	94	91	87	91	88	84	81	75	72	70	63	61	60	52	51	50	45
2	90	83	77	71	83	77	72	67	66	62	58	56	53	50	46	44	43	38
3	82	73	66	60	76	68	61	56	58	53	49	49	46	43	41	39	36	32
4	75	65	57	51	70	60	53	48	52	46	42	44	40	37	37	34	32	28
5	69	58	50	44	64	54	47	41	47	41	37	40	35	32	33	30	28	24
6	64	52	44	38	59	48	41	36	42	36	32	36	32	28	30	27	24	22
7	59	47	39	33	55	44	37	32	38	32	28	33	28	25	28	24	22	19
8	55	43	35	30	51	40	33	28	35	29	25	30	26	22	26	22	20	17
9	51	39	31	26	47	37	30	25	32	26	23	28	23	20	24	20	18	16
10	48	36	29	24	44	34	27	23	29	24	20	26	21	18	22	19	16	14

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

	0°	45°	90°
0°	21899	21899	21899
5°	21796	21812	21936
10°	21701	21668	21668
15°	21367	21367	21238
20°	21021	20805	20623
25°	20490	20233	19872
30°	19989	19468	19002
35°	19462	18741	18076
40°	18761	17867	17095
45°	18125	17091	16035
50°	17470	16164	15002
55°	16758	15266	14020
60°	15990	14340	12910
65°	15089	13285	11740
70°	14053	12052	10460
75°	12739	10575	9316
80°	11109	8868	8242
85°	8568	7491	7491

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 18125 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.6	2.1
10°-20°	513.0	5.9
20°-30°	745.4	8.5
30°-40°	847.5	9.7
40°-50°	822.7	9.4
50°-60°	694.6	8.0
60°-70°	494.2	5.7
70°-80°	264.1	3.0
80°-90°	69.8	0.8
90°-100°	47.1	0.5
100°-110°	246.9	2.8
110°-120°	621.4	7.1
120°-130°	958.7	11.0
130°-140°	877.7	10.1
140°-150°	647.7	7.4
150°-160°	412.9	4.7
160°-170°	217.4	2.5
170°-180°	67.7	0.8
0°-30°	1441.1	16.5
0°-40°	2288.5	26.2
0°-60°	3805.8	43.6
0°-90°	4633.8	53.1
90°-120°	915.4	10.5
90°-150°	3399.6	38.9
90°-180°	4098.0	46.9
0°-180°	8731.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1936	1936	1936	1936	1936	
5°	1919	1943	1920	1918	1931	182
15°	1824	1840	1824	1813	1813	514
25°	1641	1647	1621	1599	1592	756
35°	1409	1396	1357	1317	1309	878
45°	1133	1115	1068	1017	1002	874
55°	850	827	774	724	711	760
65°	564	543	496	452	438	558
75°	291	275	242	217	213	311
85°	66	61	58	58	58	78
90°	0	0	0	0	0	4
95°	25	70	28	15	15	31
105°	126	390	282	116	95	134
115°	239	488	1172	510	387	233
125°	319	493	1534	1547	1430	286
135°	411	549	1243	1695	1734	318
145°	519	600	1037	1442	1577	322
155°	598	644	890	1101	1215	276
165°	663	681	715	836	893	187
175°	700	715	694	697	703	66
180°	697	697	697	697	697	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1935.5	1935.5	1935.5	1935.5	1935.5
2.5°	1925.6	1944.9	1927.8	1930.1	1934.4
5°	1919.0	1943.2	1920.4	1917.9	1931.4
7.5°	1904.1	1926.2	1902.5	1897.0	1909.1
10°	1888.8	1912.9	1886.0	1879.3	1886.0
12.5°	1861.3	1886.5	1865.1	1854.0	1859.6
15°	1824.1	1840.3	1824.1	1813.1	1813.1
17.5°	1778.8	1795.7	1765.3	1757.5	1754.6
20°	1745.8	1760.6	1727.9	1716.8	1712.8
22.5°	1701.8	1715.5	1688.3	1669.5	1664.4
25°	1641.3	1646.7	1620.7	1598.6	1591.8
27.5°	1580.6	1581.9	1546.2	1519.3	1510.5
30°	1530.0	1531.3	1490.1	1461.1	1454.4
32.5°	1479.4	1475.4	1436.2	1401.8	1397.2
35°	1409.0	1395.6	1356.8	1316.7	1308.7
37.5°	1324.1	1316.0	1270.2	1230.0	1217.9
40°	1270.2	1256.7	1209.7	1169.5	1157.4
42.5°	1216.3	1200.7	1152.5	1107.9	1094.8
45°	1132.7	1115.2	1068.1	1016.9	1002.1
47.5°	1048.6	1029.5	977.6	928.1	911.7
50°	992.5	972.3	918.3	869.7	852.3
52.5°	935.3	914.1	860.0	810.4	796.2
55°	849.5	826.7	773.9	724.1	710.7
57.5°	763.7	741.2	688.7	641.6	625.5
60°	706.6	685.1	633.7	586.6	570.5
62.5°	648.3	627.8	577.6	531.6	516.6
65°	563.6	543.4	496.2	452.0	438.5
67.5°	479.7	462.5	416.0	375.3	364.6
70°	424.8	408.6	364.3	326.9	316.2
72.5°	372.0	354.8	312.6	280.8	273.3
75°	291.4	275.3	241.9	217.1	213.1
77.5°	217.7	204.6	175.7	161.6	159.5
80°	170.5	158.4	136.1	126.5	126.5
82.5°	126.5	116.5	102.0	97.9	97.9
85°	66.0	60.6	57.7	57.7	57.7
87.5°	19.8	19.8	18.7	17.6	17.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	7.4	17.0	4.9	2.5	4.9
95°	24.6	69.6	27.6	15.3	15.3
97.5°	50.9	155.4	71.2	38.0	34.4
100°	70.6	220.6	110.5	55.1	49.1
102.5°	92.7	285.9	167.0	74.6	63.8
105°	125.8	389.9	282.3	116.1	95.1
107.5°	162.7	460.9	465.3	179.0	144.2
110°	187.2	490.3	619.9	235.1	181.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	209.3	498.0	826.2	320.6	247.4
115°	239.4	488.4	1172.3	509.7	386.7
117.5°	261.5	464.9	1435.0	810.9	625.5
120°	276.2	465.3	1540.6	1038.7	831.7
122.5°	293.4	468.0	1570.1	1265.0	1074.7
125°	319.2	493.2	1534.5	1547.2	1430.1
127.5°	345.0	511.8	1438.7	1663.2	1626.5
130°	362.1	524.2	1362.6	1702.7	1675.7
132.5°	379.3	536.6	1308.6	1703.6	1717.4
135°	411.2	549.3	1242.9	1695.0	1734.0
137.5°	443.8	565.0	1181.5	1641.3	1722.3
140°	463.4	577.4	1132.4	1583.2	1700.2
142.5°	485.5	587.5	1085.8	1529.3	1653.6
145°	518.7	599.7	1037.3	1442.4	1577.4
147.5°	544.4	606.2	982.7	1354.7	1466.3
150°	561.6	606.6	960.6	1276.8	1414.8
152.5°	576.4	619.0	933.6	1205.3	1331.3
155°	598.4	643.5	890.0	1101.3	1215.3
157.5°	620.5	663.8	838.4	1023.7	1101.1
160°	635.3	671.3	804.1	986.3	1037.3
162.5°	647.6	678.8	767.2	922.6	980.8
165°	662.9	680.9	715.1	836.1	893.1
167.5°	677.0	686.0	719.4	751.1	797.3
170°	684.4	693.4	712.0	743.0	758.0
172.5°	691.7	705.5	702.2	723.3	735.9
175°	699.7	714.7	693.6	696.8	702.8
177.5°	701.6	708.8	704.0	704.2	711.4
180°	696.7	696.7	696.7	696.7	696.7

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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	18.15	19.03	19.09	19.98	21.21	17.07	17.95	18.01	18.90	20.13
	3H	19.82	20.61	20.76	21.56	22.82	18.49	19.28	19.43	20.23	21.49
	4H	20.45	21.20	21.41	22.16	23.42	19.01	19.75	19.97	20.71	21.97
	6H	20.84	21.52	21.81	22.49	23.76	19.33	20.01	20.30	20.98	22.25
	8H	20.98	21.63	21.95	22.61	23.88	19.45	20.10	20.43	21.09	22.36
	12H	21.04	21.66	22.03	22.64	23.94	19.53	20.15	20.51	21.12	22.42
4H	2H	18.56	19.31	19.53	20.27	21.53	17.70	18.45	18.67	19.41	20.67
	3H	20.45	21.07	21.43	22.07	23.34	19.32	19.94	20.30	20.94	22.21
	4H	21.20	21.77	22.19	22.76	24.05	19.93	20.50	20.92	21.48	22.78
	6H	21.71	22.19	22.70	23.20	24.50	20.35	20.83	21.34	21.84	23.14
	8H	21.90	22.35	22.90	23.36	24.67	20.52	20.97	21.51	21.97	23.28
	12H	22.00	22.41	23.01	23.43	24.74	20.62	21.03	21.64	22.05	23.37
8H	4H	21.33	21.79	22.33	22.79	24.10	20.20	20.65	21.19	21.65	22.96
	6H	21.95	22.33	22.98	23.37	24.68	20.72	21.10	21.75	22.14	23.45
	8H	22.23	22.56	23.26	23.59	24.92	20.98	21.31	22.01	22.34	23.67
	12H	22.39	22.69	23.43	23.71	25.08	21.15	21.45	22.19	22.47	23.84
12H	4H	21.31	21.72	22.32	22.74	24.05	20.20	20.61	21.21	21.63	22.94
	6H	21.97	22.30	23.00	23.33	24.66	20.78	21.11	21.81	22.14	23.47
	8H	22.27	22.56	23.30	23.59	24.96	21.06	21.36	22.10	22.38	23.75