

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: P1438924

Luminaire Tested: CB2-B-085U-055D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438924
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-085U-055D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

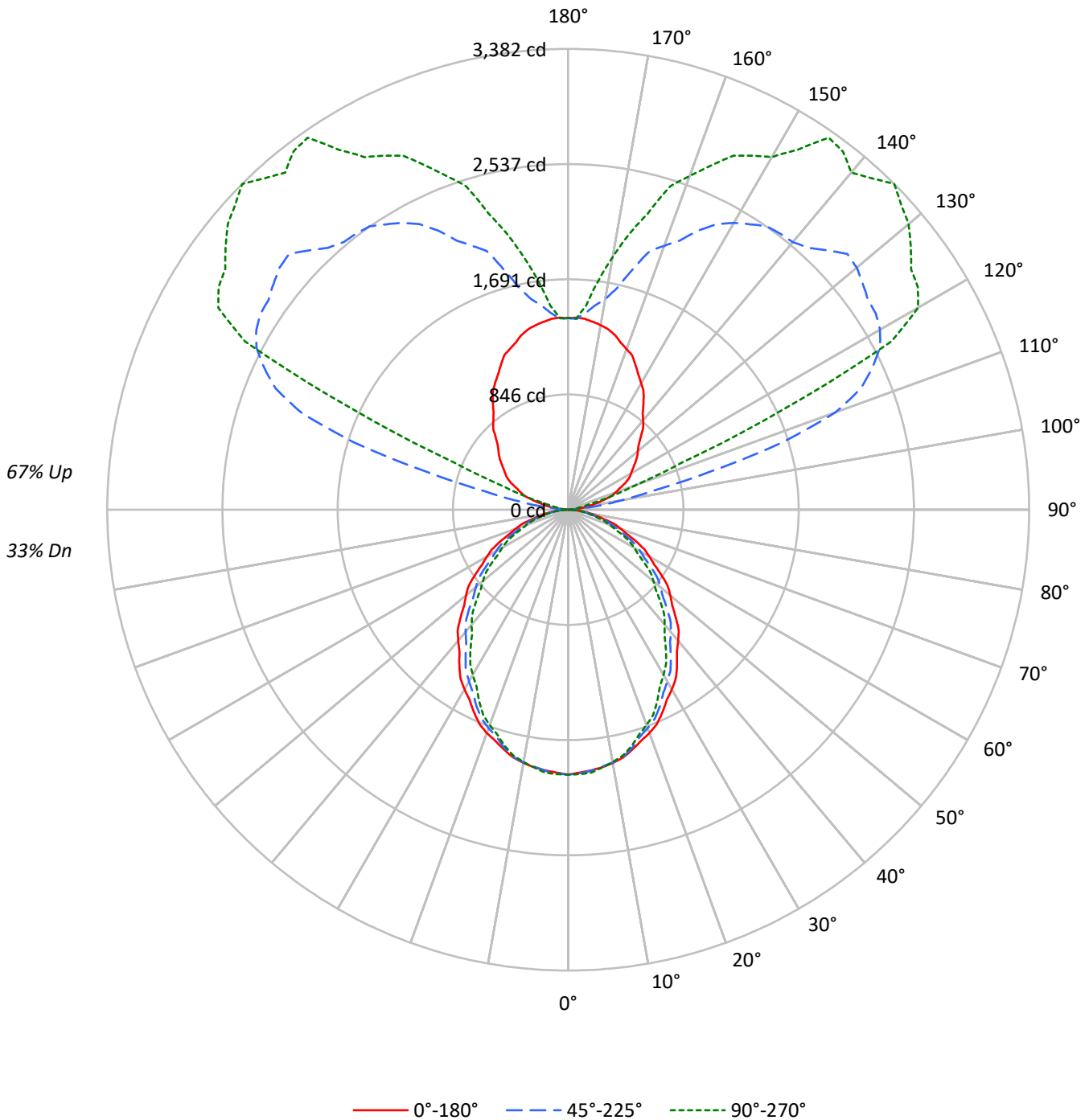
Lumens per Lamp: N/A
Luminaire Lumens: 13771.3 lumens
Efficiency: N/A
Efficacy: 146.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 94.3
Input Voltage (V): 120
Input Current (A_{in}): 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	103	103	103	103	93	93	93	93	74	74	74	56	56	56	40	40	40	33																				
1	94	90	86	83	85	81	78	75	65	63	61	50	48	47	36	35	34	28																				
2	86	79	73	68	77	71	66	62	57	53	50	44	42	39	32	30	29	24																				
3	78	69	62	57	70	63	57	52	50	46	42	39	36	34	28	26	25	20																				
4	72	61	54	48	64	55	49	44	45	40	36	35	31	29	25	23	22	17																				
5	66	54	47	41	59	49	43	38	40	35	31	31	28	25	23	21	19	15																				
6	60	49	41	35	54	44	38	33	36	31	27	28	25	22	21	18	17	13																				
7	56	44	36	31	50	40	33	29	33	28	24	26	22	19	19	17	15	12																				
8	52	40	32	27	47	36	30	25	30	25	21	23	20	17	17	15	13	11																				
9	48	36	29	24	43	33	27	22	27	22	19	21	18	15	16	14	12	10																				
10	45	33	26	22	40	30	24	20	25	20	17	20	16	14	15	13	11	9																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16930	16930	16930
5°	16786	16812	16930
10°	16691	16651	16638
15°	16427	16320	16185
20°	16168	15810	15588
25°	15734	15290	14861
30°	15298	14624	14070
35°	14797	13942	13277
40°	14265	13301	12522
45°	13731	12631	11788
50°	13250	11979	11072
55°	12657	11301	10396
60°	11978	10656	9722
65°	11257	9938	9048
70°	10460	9133	8186
75°	9516	8264	7413
80°	8511	7242	6720
85°	6545	5945	4906

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13731 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.8	1.3
10°-20°	509.6	3.7
20°-30°	732.7	5.3
30°-40°	823.6	6.0
40°-50°	795.6	5.8
50°-60°	672.2	4.9
60°-70°	482.8	3.5
70°-80°	263.9	1.9
80°-90°	70.1	0.5
90°-100°	105.3	0.8
100°-110°	652.4	4.7
110°-120°	1645.1	11.9
120°-130°	1977.6	14.4
130°-140°	1793.0	13.0
140°-150°	1429.8	10.4
150°-160°	975.3	7.1
160°-170°	515.8	3.7
170°-180°	143.6	1.0
0°-30°	1425.1	10.3
0°-40°	2248.7	16.3
0°-60°	3716.5	27.0
0°-90°	4533.3	32.9
90°-120°	2402.8	17.4
90°-150°	7603.3	55.2
90°-180°	9238.0	67.1
0°-180°	13771.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1944	1944	1944	1944	1944	
5°	1920	1946	1923	1924	1937	182
15°	1822	1838	1810	1792	1795	514
25°	1637	1639	1591	1555	1547	754
35°	1392	1376	1311	1260	1249	869
45°	1115	1092	1026	972	957	861
55°	834	803	744	698	685	745
65°	546	526	482	448	439	542
75°	283	265	246	226	220	302
85°	66	61	60	52	49	78
90°	0	0	0	0	0	5
95°	54	138	42	30	30	69
105°	267	747	1079	271	182	280
115°	461	1018	2460	2290	1745	452
125°	600	1234	2685	3055	3072	537
135°	751	1368	2691	3150	3382	584
145°	964	1438	2539	3060	3333	602
155°	1170	1466	2260	2724	2866	538
165°	1327	1452	1824	2148	2248	372
175°	1406	1424	1448	1473	1503	133
180°	1406	1406	1406	1406	1406	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1944.0	1944.0	1944.0	1944.0	1944.0
2.5°	1930.9	1954.2	1936.9	1939.3	1942.8
5°	1920.2	1946.4	1923.2	1923.5	1936.6
7.5°	1906.5	1931.3	1902.1	1896.7	1908.9
10°	1887.5	1912.2	1883.0	1872.8	1881.5
12.5°	1862.5	1886.0	1858.0	1841.8	1849.4
15°	1822.0	1838.0	1810.1	1792.3	1795.2
17.5°	1777.9	1787.8	1747.5	1732.6	1729.7
20°	1744.6	1753.3	1705.9	1685.0	1682.0
22.5°	1701.7	1709.3	1659.4	1633.7	1629.6
25°	1637.4	1638.8	1591.2	1555.3	1546.6
27.5°	1570.1	1565.5	1512.7	1470.1	1458.8
30°	1521.3	1515.5	1454.3	1409.4	1399.2
32.5°	1468.9	1458.4	1397.1	1348.7	1338.5
35°	1391.8	1375.8	1311.4	1260.5	1248.9
37.5°	1309.6	1291.6	1228.3	1173.0	1159.9
40°	1254.8	1234.5	1170.0	1114.6	1101.5
42.5°	1200.1	1177.4	1111.6	1056.2	1042.0
45°	1114.9	1091.6	1025.6	971.7	957.1
47.5°	1033.9	1004.2	940.2	886.5	872.0
50°	978.0	945.9	884.2	831.8	817.2
52.5°	920.8	887.6	828.2	778.2	763.6
55°	833.6	803.0	744.3	697.8	684.7
57.5°	747.2	717.8	664.2	619.8	607.0
60°	687.7	663.0	611.8	569.8	558.2
62.5°	630.5	608.1	559.4	521.0	509.4
65°	546.3	525.9	482.3	447.9	439.1
67.5°	464.4	444.0	408.8	377.9	368.0
70°	410.8	390.5	358.7	330.3	321.5
72.5°	359.6	338.1	312.3	286.2	279.8
75°	282.8	265.4	245.6	226.1	220.3
77.5°	214.9	198.1	183.7	170.0	168.5
80°	169.7	155.1	144.4	135.4	134.0
82.5°	126.8	115.8	108.7	102.1	101.8
85°	65.5	61.1	59.5	52.0	49.1
87.5°	19.1	19.1	16.7	14.3	14.3
90°	0.0	0.0	0.0	0.0	0.0
92.5°	14.5	24.0	9.7	9.7	9.7
95°	54.5	137.5	42.4	30.3	30.3
97.5°	113.9	329.6	229.1	61.6	53.3
100°	157.6	477.5	393.9	90.5	72.7
102.5°	201.2	606.5	621.8	143.5	111.5
105°	266.6	746.6	1078.7	270.7	181.8
107.5°	330.9	838.1	1653.2	558.5	336.9
110°	369.7	891.1	2084.6	870.8	521.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	408.4	944.1	2322.2	1395.8	899.3
115°	460.6	1017.5	2460.4	2290.4	1745.3
117.5°	504.2	1084.9	2579.1	2832.4	2672.5
120°	533.3	1137.7	2642.2	2910.0	2963.3
122.5°	562.4	1176.2	2676.1	2940.2	3040.9
125°	599.9	1233.9	2684.6	3054.6	3072.4
127.5°	637.5	1277.4	2724.6	3159.9	3168.2
130°	666.6	1306.5	2763.4	3195.1	3260.3
132.5°	700.5	1331.0	2777.9	3215.2	3313.6
135°	751.4	1367.7	2690.6	3150.4	3381.5
137.5°	815.7	1394.0	2607.0	3148.5	3297.8
140°	854.5	1399.6	2563.4	3218.1	3230.0
142.5°	898.1	1414.8	2553.7	3210.5	3312.4
145°	963.5	1437.6	2539.1	3060.4	3333.0
147.5°	1029.0	1452.1	2483.4	2894.8	3133.0
150°	1072.6	1457.8	2430.1	2839.4	2987.6
152.5°	1116.3	1463.5	2362.2	2805.0	2929.4
155°	1169.6	1465.8	2260.4	2724.2	2866.4
157.5°	1225.3	1458.8	2138.0	2576.6	2731.8
160°	1254.4	1450.0	2060.4	2469.5	2605.8
162.5°	1283.5	1445.9	1992.5	2329.5	2489.4
165°	1327.1	1451.6	1824.1	2147.5	2248.3
167.5°	1356.2	1446.3	1666.5	1931.5	2073.7
170°	1375.6	1446.7	1569.5	1766.2	1884.7
172.5°	1390.2	1423.3	1511.4	1615.0	1695.6
175°	1405.9	1423.7	1448.3	1473.3	1502.9
177.5°	1410.8	1420.2	1401.1	1396.4	1405.9
180°	1405.9	1405.9	1405.9	1405.9	1405.9



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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	15.00	15.72	16.09	16.80	18.30	13.90	14.62	14.99	15.71	17.20
	3H	16.63	17.27	17.73	18.37	19.89	15.41	16.06	16.52	17.16	18.67
	4H	17.25	17.86	18.36	18.96	20.48	15.98	16.59	17.09	17.69	19.21
	6H	17.65	18.21	18.77	19.31	20.84	16.34	16.91	17.47	18.01	19.54
	8H	17.79	18.33	18.92	19.44	20.97	16.48	17.02	17.60	18.13	19.66
	12H	17.86	18.37	18.99	19.48	21.03	16.54	17.05	17.67	18.16	19.71
4H	2H	15.39	16.00	16.51	17.10	18.62	14.51	15.12	15.63	16.22	17.74
	3H	17.24	17.75	18.37	18.88	20.41	16.24	16.75	17.36	17.87	19.40
	4H	17.98	18.45	19.11	19.57	21.12	16.90	17.37	18.03	18.49	20.04
	6H	18.50	18.90	19.63	20.04	21.58	17.37	17.77	18.51	18.91	20.45
	8H	18.70	19.07	19.83	20.20	21.76	17.56	17.93	18.69	19.06	20.62
	12H	18.80	19.14	19.95	20.28	21.84	17.64	17.98	18.79	19.12	20.68
8H	4H	18.13	18.50	19.27	19.63	21.19	17.17	17.54	18.30	18.67	20.23
	6H	18.77	19.07	19.92	20.25	21.80	17.76	18.07	18.92	19.25	20.80
	8H	19.06	19.32	20.22	20.48	22.05	18.04	18.31	19.20	19.46	21.04
	12H	19.22	19.46	20.39	20.61	22.22	18.18	18.42	19.35	19.57	21.18
12H	4H	18.10	18.44	19.25	19.58	21.15	17.16	17.50	18.31	18.64	20.21
	6H	18.79	19.06	19.96	20.22	21.79	17.83	18.10	18.99	19.25	20.83
	8H	19.10	19.34	20.27	20.49	22.10	18.13	18.36	19.29	19.51	21.12