

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: P1439435

Luminaire Tested: CB3-B-085U-030D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439435
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-030D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

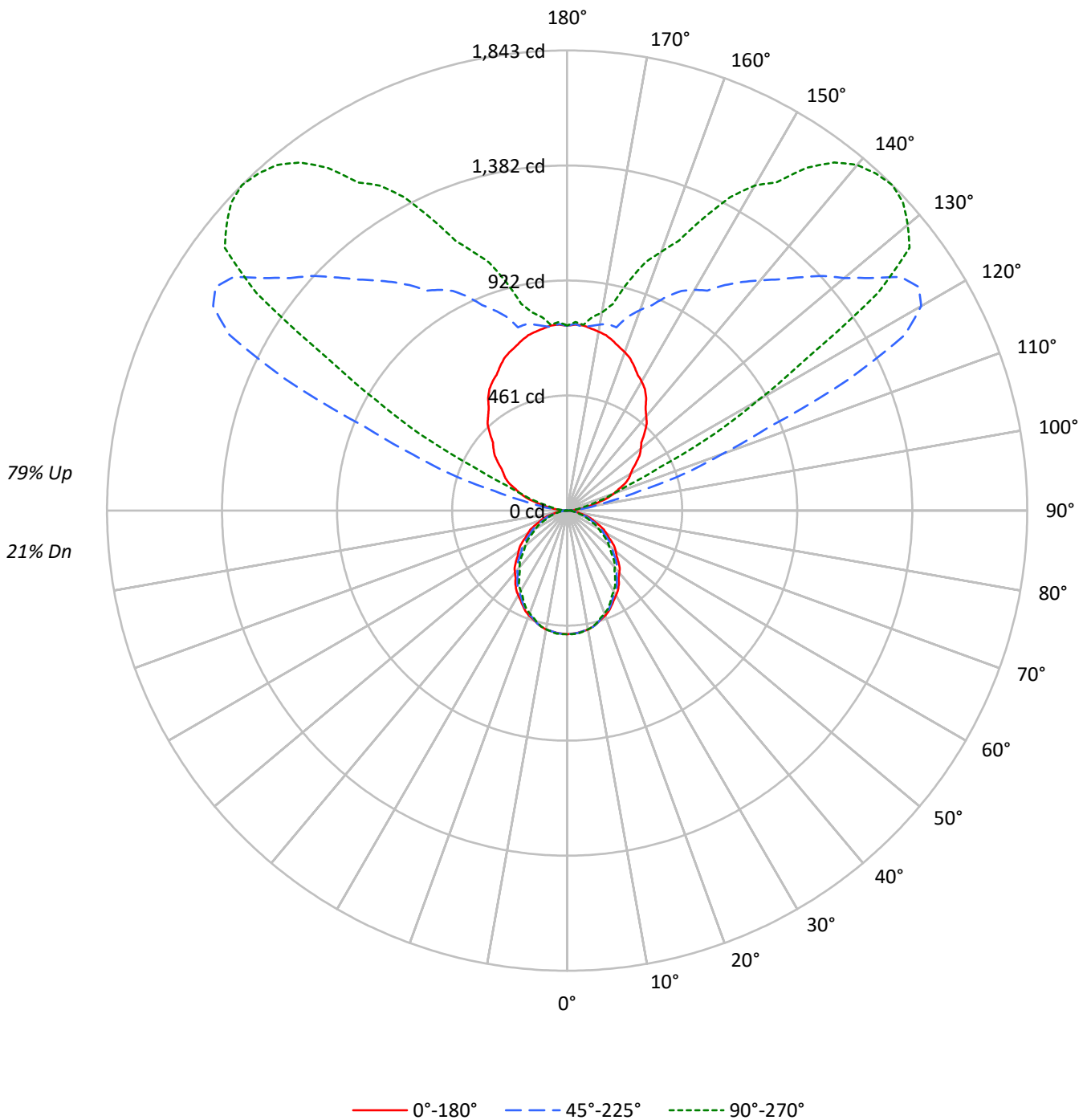
Lumens per Lamp: N/A
Luminaire Lumens: 5541.2 lumens
Efficiency: N/A
Efficacy: 171.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 32.4
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

TEST NUMBER: P1439435

CATALOG NUMBER: CB3-B-085U-030D-930-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1439435

CATALOG NUMBER: CB3-B-085U-030D-930-1D-UNV-STD-W-4

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	100	100	100	100	89	89	89	89	67	67	67	48	48	48	30	30	30	21																				
1	91	87	84	80	81	78	74	72	59	57	55	42	41	40	26	26	25	18																				
2	83	76	71	66	74	68	63	59	52	49	46	37	35	33	23	22	21	15																				
3	76	67	60	55	67	60	54	49	46	42	39	33	30	28	21	19	18	13																				
4	69	59	52	46	61	53	46	42	41	36	33	29	26	24	19	17	16	11																				
5	64	53	45	39	56	47	40	36	36	32	28	26	23	21	17	15	14	10																				
6	58	47	39	34	52	42	35	31	32	28	24	24	20	18	15	13	12	9																				
7	54	42	35	29	48	38	31	27	29	25	21	21	18	16	14	12	11	8																				
8	50	38	31	26	44	34	28	23	27	22	19	19	16	14	13	11	10	7																				
9	46	35	28	23	41	31	25	21	24	20	17	18	15	13	12	10	9	6																				
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	11	9	8	6																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5606	5606	5606
5°	5580	5585	5616
10°	5556	5548	5548
15°	5470	5470	5438
20°	5382	5327	5280
25°	5246	5180	5089
30°	5118	4984	4865
35°	4982	4798	4629
40°	4803	4574	4376
45°	4640	4376	4106
50°	4473	4138	3841
55°	4290	3908	3590
60°	4094	3670	3306
65°	3863	3403	3007
70°	3599	3087	2676
75°	3261	2706	2387
80°	2841	2267	2111
85°	2194	1921	1921

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4640 cd/sqm



TEST NUMBER: P1439435

CATALOG NUMBER: CB3-B-085U-030D-930-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	0.8
10°-20°	131.4	2.4
20°-30°	190.8	3.4
30°-40°	217.0	3.9
40°-50°	210.6	3.8
50°-60°	177.8	3.2
60°-70°	126.5	2.3
70°-80°	67.6	1.2
80°-90°	17.9	0.3
90°-100°	50.1	0.9
100°-110°	262.4	4.7
110°-120°	660.5	11.9
120°-130°	1018.9	18.4
130°-140°	932.8	16.8
140°-150°	688.4	12.4
150°-160°	438.8	7.9
160°-170°	231.0	4.2
170°-180°	71.9	1.3
0°-30°	369.0	6.7
0°-40°	585.9	10.6
0°-60°	974.4	17.6
0°-90°	1186.4	21.4
90°-120°	972.9	17.6
90°-150°	3613.0	65.2
90°-180°	4355.0	78.6
0°-180°	5541.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	496	496	496	496	496	
5°	491	498	492	491	494	47
15°	467	471	467	464	464	132
25°	420	422	415	409	408	194
35°	361	357	347	337	335	225
45°	290	286	274	260	257	224
55°	218	212	198	185	182	194
65°	144	139	127	116	112	143
75°	75	70	62	56	55	80
85°	17	16	15	15	15	20
90°	0	0	0	0	0	2
95°	26	74	29	16	16	33
105°	134	414	300	123	101	143
115°	254	519	1246	542	411	248
125°	339	524	1631	1644	1520	303
135°	437	584	1321	1801	1843	338
145°	551	637	1102	1533	1676	343
155°	636	684	946	1170	1292	293
165°	704	724	760	888	949	199
175°	744	760	737	740	747	70
180°	740	740	740	740	740	

TEST NUMBER: P1439435

CATALOG NUMBER: CB3-B-085U-030D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	495.5	495.5	495.5	495.5	495.5
2.5°	493.0	498.0	493.6	494.2	495.3
5°	491.3	497.5	491.7	491.0	494.5
7.5°	487.5	493.2	487.1	485.7	488.8
10°	483.6	489.8	482.9	481.2	482.9
12.5°	476.5	483.0	477.5	474.7	476.1
15°	467.0	471.2	467.0	464.2	464.2
17.5°	455.4	459.8	452.0	450.0	449.2
20°	447.0	450.8	442.4	439.6	438.5
22.5°	435.7	439.2	432.3	427.4	426.1
25°	420.2	421.6	414.9	409.3	407.6
27.5°	404.7	405.0	395.9	389.0	386.7
30°	391.7	392.1	381.5	374.1	372.4
32.5°	378.8	377.7	367.7	358.9	357.7
35°	360.7	357.3	347.4	337.1	335.1
37.5°	339.0	336.9	325.2	314.9	311.8
40°	325.2	321.8	309.7	299.4	296.3
42.5°	311.4	307.4	295.1	283.7	280.3
45°	290.0	285.5	273.5	260.4	256.6
47.5°	268.5	263.6	250.3	237.6	233.4
50°	254.1	248.9	235.1	222.7	218.2
52.5°	239.5	234.0	220.2	207.5	203.8
55°	217.5	211.7	198.1	185.4	182.0
57.5°	195.5	189.8	176.3	164.3	160.1
60°	180.9	175.4	162.2	150.2	146.1
62.5°	166.0	160.7	147.9	136.1	132.3
65°	144.3	139.1	127.1	115.7	112.3
67.5°	122.8	118.4	106.5	96.1	93.3
70°	108.8	104.6	93.3	83.7	80.9
72.5°	95.2	90.8	80.0	71.9	70.0
75°	74.6	70.5	61.9	55.6	54.6
77.5°	55.7	52.4	45.0	41.4	40.8
80°	43.6	40.5	34.8	32.4	32.4
82.5°	32.4	29.8	26.1	25.1	25.1
85°	16.9	15.5	14.8	14.8	14.8
87.5°	5.1	5.1	4.8	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	7.8	18.0	5.2	2.7	5.2
95°	26.1	73.9	29.4	16.3	16.3
97.5°	54.1	165.1	75.7	40.4	36.5
100°	75.0	234.5	117.4	58.6	52.2
102.5°	98.5	303.9	177.4	79.3	67.8
105°	133.7	414.4	300.1	123.4	101.1
107.5°	172.9	489.9	494.5	190.3	153.3
110°	199.0	521.1	658.8	249.8	192.4



TEST NUMBER: P1439435

CATALOG NUMBER: CB3-B-085U-030D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	222.4	529.2	878.0	340.7	262.9
115°	254.4	519.1	1245.9	541.7	411.0
117.5°	277.9	494.1	1525.1	861.8	664.7
120°	293.5	494.5	1637.3	1104.0	883.9
122.5°	311.8	497.4	1668.6	1344.4	1142.2
125°	339.2	524.2	1630.8	1644.3	1519.9
127.5°	366.6	543.9	1529.1	1767.6	1728.7
130°	384.9	557.1	1448.2	1809.6	1780.8
132.5°	403.1	570.2	1390.8	1810.5	1825.2
135°	437.1	583.8	1321.0	1801.4	1842.8
137.5°	471.6	600.5	1255.7	1744.3	1830.4
140°	492.5	613.7	1203.5	1682.6	1806.9
142.5°	516.0	624.4	1154.0	1625.3	1757.4
145°	551.2	637.3	1102.4	1533.0	1676.5
147.5°	578.6	644.3	1044.4	1439.8	1558.4
150°	596.9	644.7	1020.9	1356.9	1503.6
152.5°	612.5	657.8	992.2	1280.9	1414.9
155°	636.0	683.9	945.9	1170.4	1291.6
157.5°	659.5	705.4	891.1	1088.0	1170.3
160°	675.2	713.4	854.5	1048.2	1102.4
162.5°	688.2	721.4	815.4	980.5	1042.4
165°	704.5	723.6	760.0	888.5	949.1
167.5°	719.5	729.1	764.5	798.3	847.4
170°	727.3	736.9	756.7	789.7	805.6
172.5°	735.2	749.8	746.3	768.7	782.1
175°	743.7	759.6	737.1	740.5	746.9
177.5°	745.6	753.3	748.2	748.4	756.0
180°	740.4	740.4	740.4	740.4	740.4



TEST NUMBER: P1439435
 CATALOG NUMBER: CB3-B-085U-030D-930-1D-UNV-STD-W-4

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	9.58	10.22	10.75	11.38	13.01	8.50	9.15	9.67	10.30	11.93
	3H	11.23	11.81	12.40	12.97	14.61	9.89	10.47	11.07	11.64	13.28
	4H	11.85	12.40	13.03	13.56	15.21	10.40	10.95	11.59	12.12	13.76
	6H	12.22	12.73	13.41	13.89	15.55	10.71	11.22	11.90	12.38	14.04
	8H	12.35	12.83	13.55	14.01	15.66	10.83	11.31	12.02	12.49	14.14
	12H	12.41	12.87	13.61	14.04	15.71	10.89	11.35	12.09	12.52	14.20
4H	2H	9.96	10.51	11.15	11.67	13.32	9.10	9.65	10.29	10.81	12.46
	3H	11.83	12.29	13.03	13.47	15.13	10.70	11.16	11.90	12.34	14.00
	4H	12.57	12.99	13.77	14.17	15.84	11.30	11.72	12.50	12.89	14.57
	6H	13.06	13.42	14.26	14.62	16.28	11.70	12.06	12.90	13.26	14.92
	8H	13.24	13.58	14.44	14.77	16.45	11.86	12.20	13.06	13.39	15.07
	12H	13.33	13.64	14.55	14.84	16.52	11.96	12.26	13.17	13.46	15.15
8H	4H	12.68	13.02	13.88	14.21	15.89	11.54	11.88	12.74	13.07	14.75
	6H	13.29	13.57	14.51	14.80	16.48	12.06	12.34	13.28	13.57	15.25
	8H	13.56	13.80	14.79	15.01	16.71	12.31	12.55	13.54	13.76	15.46
	12H	13.72	13.93	14.95	15.13	16.86	12.48	12.69	13.71	13.90	15.63
12H	4H	12.64	12.95	13.86	14.15	15.84	11.53	11.84	12.75	13.04	14.73
	6H	13.30	13.55	14.53	14.75	16.45	12.12	12.36	13.34	13.57	15.27
	8H	13.59	13.81	14.82	15.01	16.74	12.39	12.60	13.62	13.81	15.54