

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: P1439393

Luminaire Tested: CB3-B-030U-120D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439393
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-030U-120D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

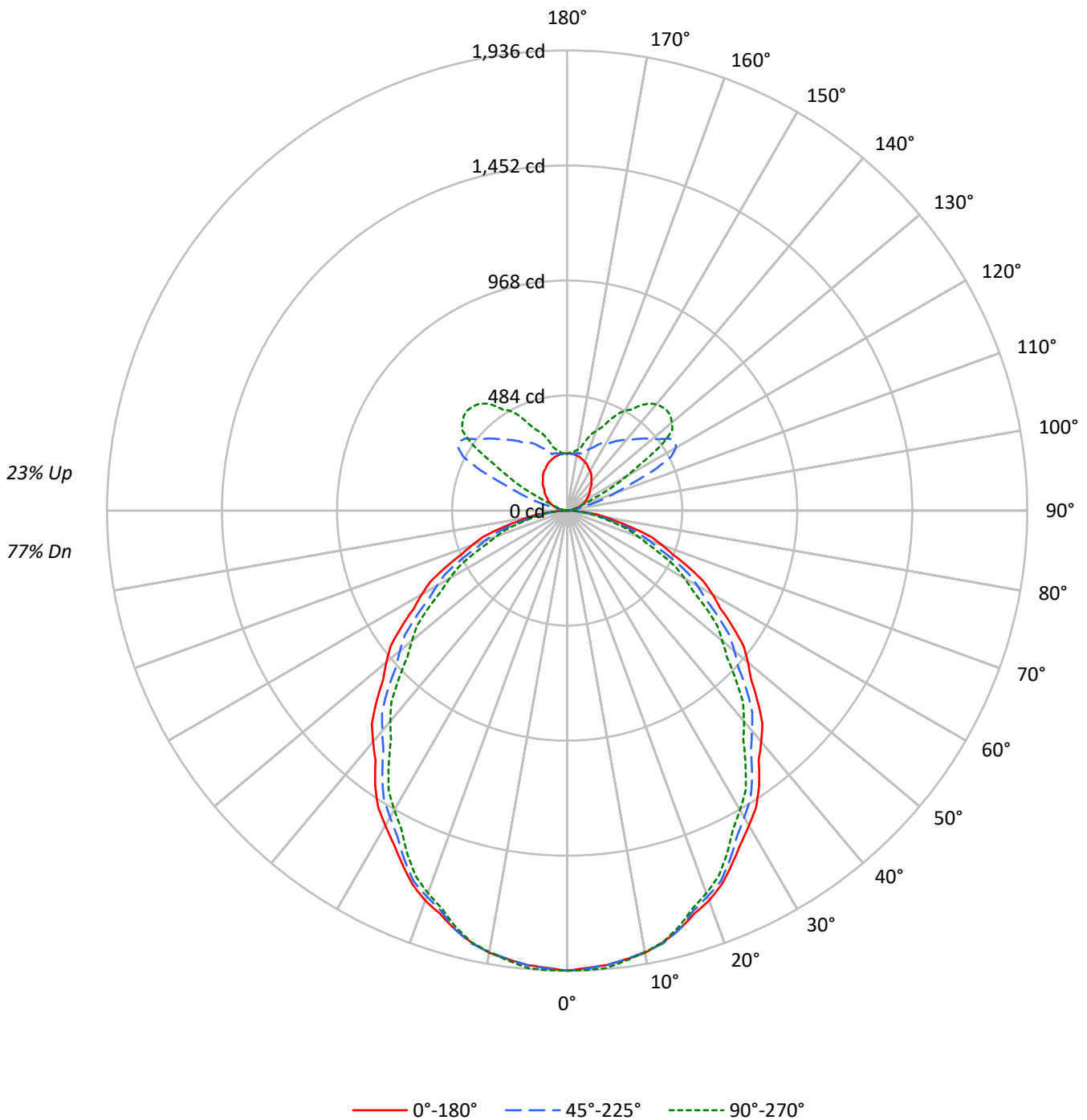
Lumens per Lamp: N/A
Luminaire Lumens: 6040.4 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 46.3
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				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	114	114	114	114	108	108	108	108	98	98	98	89	89	89	81	81	81	77
1	104	100	96	92	99	95	92	88	87	84	81	79	77	75	72	70	69	65
2	95	87	81	76	90	84	78	73	76	72	68	70	66	63	64	61	58	55
3	87	77	70	64	83	74	67	62	68	62	58	62	57	54	57	53	50	47
4	80	69	60	54	76	66	58	53	60	54	49	55	50	46	51	47	43	40
5	73	61	53	47	70	59	51	45	54	48	43	50	45	40	46	41	38	35
6	68	55	47	41	64	53	45	40	49	43	38	45	40	36	42	37	34	31
7	63	50	42	36	60	48	41	35	45	38	33	41	36	32	38	34	30	28
8	59	46	38	32	56	44	37	32	41	35	30	38	32	28	35	30	27	25
9	55	42	34	29	52	41	33	28	38	31	27	35	30	26	33	28	24	22
10	51	39	31	26	49	37	30	26	35	29	25	33	27	23	30	26	22	20

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	3.0
10°-20°	513.0	8.5
20°-30°	745.4	12.3
30°-40°	847.5	14.0
40°-50°	822.7	13.6
50°-60°	694.6	11.5
60°-70°	494.2	8.2
70°-80°	264.1	4.4
80°-90°	69.8	1.2
90°-100°	16.2	0.3
100°-110°	84.7	1.4
110°-120°	213.3	3.5
120°-130°	329.1	5.4
130°-140°	301.3	5.0
140°-150°	222.4	3.7
150°-160°	141.7	2.3
160°-170°	74.6	1.2
170°-180°	23.2	0.4
0°-30°	1441.1	23.9
0°-40°	2288.5	37.9
0°-60°	3805.8	63.0
0°-90°	4633.8	76.7
90°-120°	314.2	5.2
90°-150°	1167.0	19.3
90°-180°	1407.0	23.3
0°-180°	6040.4	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	3
95°	8	24	10	5	5	11
105°	43	134	97	40	33	46
115°	82	168	402	175	133	80
125°	110	169	527	531	491	98
135°	141	189	427	582	595	109
145°	178	206	356	495	542	111
155°	205	221	306	378	417	95
165°	228	234	246	287	307	64
175°	240	245	238	239	241	23
180°	239	239	239	239	239	



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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°	2.5	5.8	1.7	0.9	1.7
95°	8.4	23.9	9.5	5.3	5.3
97.5°	17.5	53.3	24.4	13.0	11.8
100°	24.2	75.7	37.9	18.9	16.9
102.5°	31.8	98.2	57.3	25.6	21.9
105°	43.2	133.8	96.9	39.9	32.7
107.5°	55.8	158.2	159.7	61.5	49.5
110°	64.3	168.3	212.8	80.7	62.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	71.9	170.9	283.6	110.0	84.9
115°	82.2	167.7	402.4	175.0	132.7
117.5°	89.8	159.6	492.6	278.4	214.7
120°	94.8	159.7	528.9	356.6	285.5
122.5°	100.7	160.7	539.0	434.3	368.9
125°	109.6	169.3	526.8	531.1	490.9
127.5°	118.4	175.7	493.9	570.9	558.4
130°	124.3	179.9	467.8	584.5	575.2
132.5°	130.2	184.2	449.2	584.8	589.6
135°	141.2	188.6	426.7	581.9	595.2
137.5°	152.3	194.0	405.6	563.4	591.2
140°	159.1	198.2	388.8	543.5	583.7
142.5°	166.7	201.7	372.7	525.0	567.6
145°	178.0	205.9	356.1	495.2	541.5
147.5°	186.9	208.1	337.3	465.1	503.4
150°	192.8	208.2	329.8	438.3	485.7
152.5°	197.9	212.5	320.5	413.8	457.0
155°	205.4	220.9	305.5	378.1	417.2
157.5°	213.0	227.9	287.8	351.4	378.0
160°	218.1	230.4	276.0	338.6	356.1
162.5°	222.3	233.0	263.4	316.7	336.7
165°	227.6	233.7	245.5	287.0	306.6
167.5°	232.4	235.5	246.9	257.8	273.7
170°	234.9	238.0	244.4	255.1	260.2
172.5°	237.5	242.2	241.0	248.3	252.6
175°	240.2	245.4	238.1	239.2	241.3
177.5°	240.8	243.3	241.7	241.7	244.2
180°	239.2	239.2	239.2	239.2	239.2



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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	20.05	21.20	20.75	21.91	22.74	18.98	20.12	19.67	20.83	21.66
	3H	21.74	22.77	22.45	23.49	24.35	20.41	21.44	21.12	22.16	23.02
	4H	22.39	23.36	23.11	24.08	24.96	20.94	21.91	21.66	22.64	23.52
	6H	22.79	23.68	23.52	24.42	25.31	21.27	22.17	22.01	22.91	23.80
	8H	22.93	23.78	23.68	24.54	25.43	21.40	22.26	22.15	23.02	23.91
	12H	23.01	23.82	23.76	24.57	25.49	21.49	22.30	22.24	23.05	23.97
4H	2H	20.50	21.47	21.22	22.19	23.07	19.64	20.61	20.36	21.34	22.21
	3H	22.41	23.22	23.15	23.98	24.88	21.28	22.09	22.02	22.86	23.75
	4H	23.17	23.91	23.93	24.67	25.60	21.90	22.63	22.65	23.40	24.32
	6H	23.69	24.33	24.46	25.12	26.05	22.33	22.96	23.10	23.75	24.69
	8H	23.89	24.48	24.66	25.27	26.21	22.51	23.10	23.28	23.89	24.83
	12H	24.00	24.53	24.80	25.34	26.29	22.62	23.16	23.42	23.97	24.92
8H	4H	23.32	23.92	24.10	24.70	25.65	22.18	22.78	22.96	23.56	24.51
	6H	23.95	24.45	24.76	25.27	26.22	22.72	23.22	23.53	24.04	24.99
	8H	24.23	24.67	25.05	25.50	26.46	22.98	23.42	23.80	24.24	25.21
	12H	24.41	24.79	25.23	25.61	26.63	23.17	23.55	23.99	24.37	25.39
12H	4H	23.31	23.84	24.11	24.65	25.60	22.20	22.73	23.00	23.54	24.49
	6H	23.97	24.41	24.79	25.24	26.20	22.78	23.22	23.60	24.05	25.01
	8H	24.28	24.67	25.11	25.49	26.51	23.08	23.46	23.90	24.28	25.30