

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: P1439387

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

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439387  
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-085D-930-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

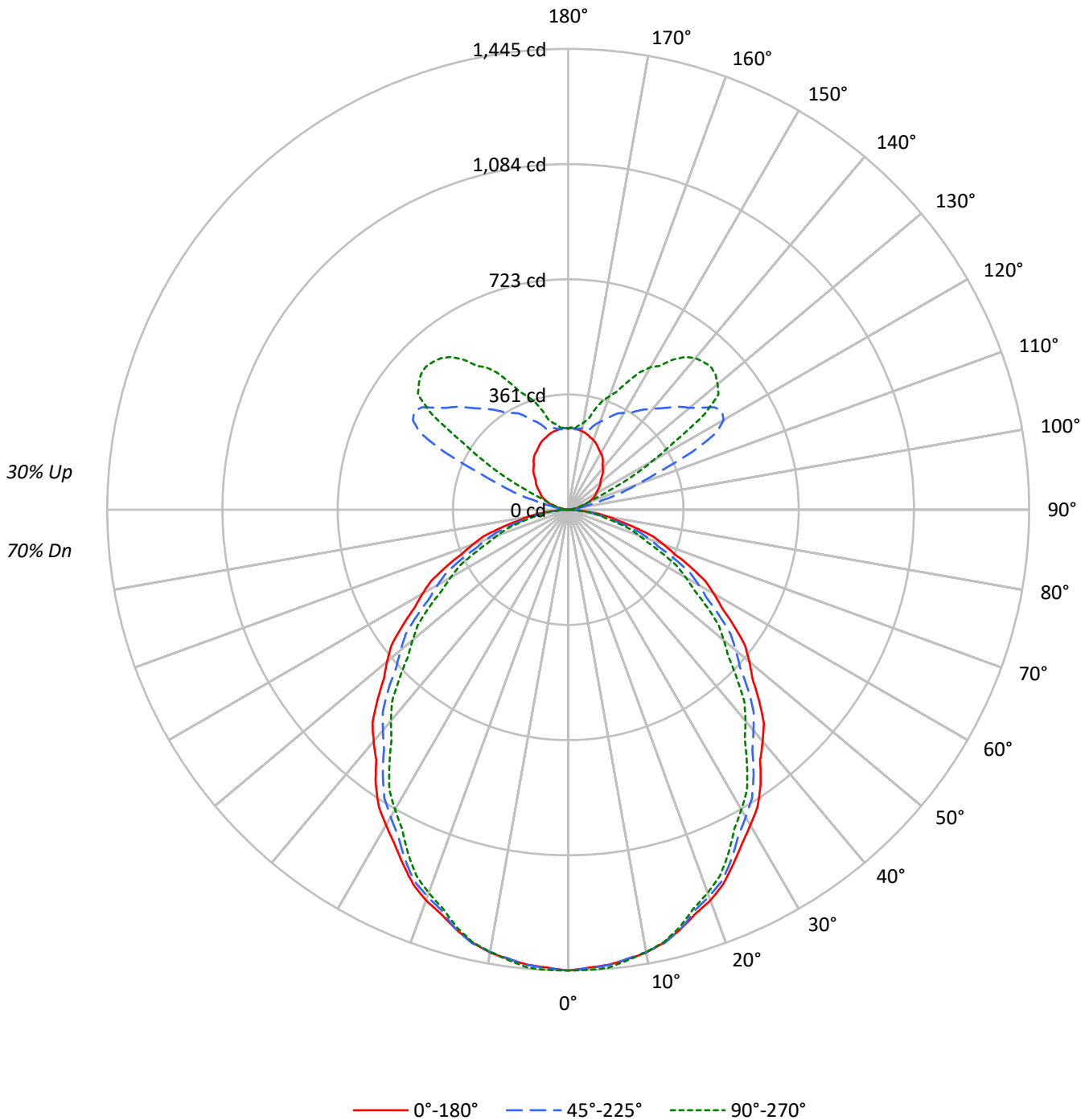
Lumens per Lamp: N/A  
Luminaire Lumens: 4954.4 lumens  
Efficiency: N/A  
Efficacy: 146.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 33.8  
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: P1439387

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

### Luminous Intensity Polar Plot





TEST NUMBER: P1439387

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

**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	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	70
1	102	98	94	91	97	93	90	86	83	81	78	74	72	71	66	65	63	59
2	94	86	80	75	88	82	76	71	73	69	65	66	62	59	59	56	54	50
3	86	76	68	62	81	72	65	60	65	60	55	58	54	50	52	49	46	43
4	78	67	59	53	74	64	57	51	58	52	47	52	47	44	47	43	40	37
5	72	60	52	46	68	57	50	44	52	46	41	47	42	38	42	38	35	32
6	67	54	46	40	63	52	44	39	47	41	36	43	37	33	38	34	31	28
7	62	49	41	35	58	47	40	34	43	37	32	39	34	30	35	31	28	25
8	57	45	37	31	54	43	36	31	39	33	29	36	30	27	32	28	25	23
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	30	26	22	20
10	50	38	30	26	48	36	29	25	33	27	23	30	25	22	28	24	20	19

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

	0°	45°	90°
0°	16350	16350	16350
5°	16272	16284	16377
10°	16201	16177	16177
15°	15952	15952	15856
20°	15694	15533	15396
25°	15298	15106	14836
30°	14923	14535	14186
35°	14529	13991	13495
40°	14007	13339	12763
45°	13531	12759	11971
50°	13043	12066	11200
55°	12510	11398	10467
60°	11937	10706	9638
65°	11266	9919	8765
70°	10490	8998	7807
75°	9513	7895	6955
80°	8295	6620	6151
85°	6400	5595	5595

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13531 cd/sqm



TEST NUMBER: P1439387

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.3	2.8
10°-20°	383.0	7.7
20°-30°	556.5	11.2
30°-40°	632.7	12.8
40°-50°	614.2	12.4
50°-60°	518.6	10.5
60°-70°	368.9	7.4
70°-80°	197.1	4.0
80°-90°	52.1	1.1
90°-100°	17.2	0.3
100°-110°	90.1	1.8
110°-120°	226.7	4.6
120°-130°	349.8	7.1
130°-140°	320.2	6.5
140°-150°	236.3	4.8
150°-160°	150.6	3.0
160°-170°	79.3	1.6
170°-180°	24.7	0.5
0°-30°	1075.8	21.7
0°-40°	1708.5	34.5
0°-60°	2841.3	57.3
0°-90°	3459.4	69.8
90°-120°	334.0	6.7
90°-150°	1240.3	25.0
90°-180°	1495.0	30.2
0°-180°	4954.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1445	1445	1445	1445	1445	
5°	1433	1451	1434	1432	1442	136
15°	1362	1374	1362	1354	1354	384
25°	1225	1229	1210	1193	1188	565
35°	1052	1042	1013	983	977	656
45°	846	833	797	759	748	652
55°	634	617	578	541	531	567
65°	421	406	370	337	327	417
75°	218	206	181	162	159	232
85°	49	45	43	43	43	58
90°	0	0	0	0	0	2
95°	9	25	10	6	6	11
105°	46	142	103	42	35	49
115°	87	178	428	186	141	85
125°	116	180	560	564	522	104
135°	150	200	454	618	633	116
145°	189	219	378	526	576	118
155°	218	235	325	402	443	101
165°	242	248	261	305	326	68
175°	255	261	253	254	256	24
180°	254	254	254	254	254	

TEST NUMBER: P1439387

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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1445.0	1445.0	1445.0	1445.0	1445.0
2.5°	1437.6	1452.0	1439.2	1440.9	1444.2
5°	1432.7	1450.7	1433.7	1431.9	1441.9
7.5°	1421.6	1438.0	1420.3	1416.2	1425.3
10°	1410.1	1428.1	1408.0	1403.0	1408.0
12.5°	1389.6	1408.4	1392.4	1384.1	1388.3
15°	1361.8	1373.9	1361.8	1353.6	1353.6
17.5°	1328.0	1340.6	1317.9	1312.1	1309.9
20°	1303.4	1314.4	1290.0	1281.7	1278.7
22.5°	1270.5	1280.7	1260.5	1246.4	1242.6
25°	1225.4	1229.4	1210.0	1193.4	1188.4
27.5°	1180.0	1181.0	1154.3	1134.3	1127.7
30°	1142.2	1143.2	1112.5	1090.8	1085.8
32.5°	1104.5	1101.5	1072.2	1046.5	1043.1
35°	1051.9	1041.9	1012.9	983.0	977.0
37.5°	988.5	982.5	948.3	918.3	909.3
40°	948.3	938.2	903.1	873.1	864.1
42.5°	908.0	896.4	860.4	827.1	817.3
45°	845.6	832.6	797.4	759.2	748.1
47.5°	782.8	768.6	729.9	692.9	680.6
50°	741.0	725.9	685.5	649.3	636.3
52.5°	698.3	682.4	642.0	605.0	594.4
55°	634.2	617.2	577.8	540.6	530.6
57.5°	570.2	553.3	514.2	479.0	466.9
60°	527.5	511.4	473.1	437.9	425.9
62.5°	484.0	468.7	431.2	396.9	385.7
65°	420.8	405.7	370.5	337.4	327.4
67.5°	358.2	345.3	310.5	280.2	272.2
70°	317.1	305.1	272.0	244.1	236.0
72.5°	277.7	264.9	233.4	209.6	204.0
75°	217.6	205.5	180.6	162.1	159.1
77.5°	162.6	152.7	131.2	120.7	119.0
80°	127.3	118.2	101.6	94.4	94.4
82.5°	94.4	87.0	76.1	73.1	73.1
85°	49.3	45.2	43.1	43.1	43.1
87.5°	14.8	14.8	14.0	13.1	13.1
90°	0.0	0.0	0.0	0.0	0.0
92.5°	2.7	6.2	1.8	0.9	1.8
95°	9.0	25.4	10.1	5.6	5.6
97.5°	18.6	56.7	26.0	13.9	12.5
100°	25.8	80.5	40.3	20.1	17.9
102.5°	33.8	104.3	60.9	27.2	23.3
105°	45.9	142.2	103.0	42.4	34.7
107.5°	59.3	168.2	169.7	65.3	52.6
110°	68.3	178.9	226.2	85.8	66.1

TEST NUMBER: P1439387

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

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	76.4	181.7	301.4	117.0	90.2
115°	87.3	178.2	427.7	186.0	141.1
117.5°	95.4	169.6	523.6	295.8	228.2
120°	100.8	169.7	562.1	379.0	303.4
122.5°	107.0	170.8	572.8	461.5	392.1
125°	116.4	179.9	559.8	564.5	521.8
127.5°	125.9	186.7	524.9	606.8	593.4
130°	132.1	191.2	497.1	621.2	611.3
132.5°	138.4	195.8	477.4	621.5	626.6
135°	150.0	200.4	453.5	618.4	632.6
137.5°	161.9	206.1	431.1	598.8	628.4
140°	169.1	210.7	413.2	577.6	620.3
142.5°	177.1	214.4	396.1	558.0	603.3
145°	189.2	218.8	378.4	526.2	575.5
147.5°	198.6	221.2	358.5	494.3	535.0
150°	204.9	221.3	350.5	465.8	516.2
152.5°	210.3	225.8	340.6	439.7	485.7
155°	218.3	234.8	324.7	401.8	443.4
157.5°	226.4	242.2	305.9	373.5	401.7
160°	231.8	244.9	293.4	359.8	378.4
162.5°	236.3	247.6	279.9	336.6	357.8
165°	241.8	248.4	260.9	305.0	325.8
167.5°	247.0	250.3	262.5	274.0	290.9
170°	249.7	253.0	259.8	271.1	276.6
172.5°	252.4	257.4	256.2	263.9	268.5
175°	255.3	260.8	253.0	254.2	256.4
177.5°	256.0	258.6	256.9	256.9	259.5
180°	254.2	254.2	254.2	254.2	254.2



TEST NUMBER: P1439387

CATALOG NUMBER: CB3-B-030U-085D-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	18.52	19.57	19.29	20.36	21.32	17.44	18.50	18.21	19.29	20.24
	3H	20.20	21.15	20.98	21.95	22.93	18.87	19.82	19.65	20.62	21.60
	4H	20.84	21.73	21.64	22.54	23.54	19.40	20.29	20.20	21.10	22.10
	6H	21.24	22.06	22.05	22.87	23.89	19.72	20.55	20.54	21.36	22.38
	8H	21.38	22.16	22.20	23.00	24.01	19.85	20.64	20.67	21.47	22.48
	12H	21.45	22.20	22.28	23.03	24.07	19.93	20.68	20.76	21.51	22.55
4H	2H	18.95	19.84	19.75	20.65	21.65	18.09	18.99	18.90	19.79	20.79
	3H	20.86	21.60	21.67	22.44	23.46	19.73	20.47	20.54	21.31	22.33
	4H	21.61	22.29	22.44	23.13	24.18	20.34	21.02	21.17	21.86	22.90
	6H	22.13	22.71	22.97	23.58	24.63	20.77	21.35	21.61	22.22	23.26
	8H	22.32	22.87	23.17	23.73	24.79	20.94	21.49	21.79	22.35	23.41
	12H	22.43	22.92	23.30	23.80	24.87	21.06	21.55	21.92	22.43	23.49
8H	4H	21.76	22.31	22.61	23.17	24.23	20.62	21.17	21.47	22.03	23.09
	6H	22.39	22.84	23.26	23.74	24.80	21.16	21.61	22.03	22.51	23.57
	8H	22.66	23.06	23.55	23.96	25.04	21.41	21.81	22.30	22.71	23.79
	12H	22.84	23.19	23.73	24.08	25.21	21.60	21.95	22.49	22.84	23.97
12H	4H	21.74	22.23	22.61	23.11	24.18	20.63	21.12	21.50	22.00	23.07
	6H	22.40	22.81	23.29	23.70	24.78	21.21	21.62	22.10	22.51	23.59
	8H	22.71	23.07	23.60	23.95	25.09	21.51	21.86	22.40	22.75	23.88