

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: P1439451

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

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439451  
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-085D-930-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

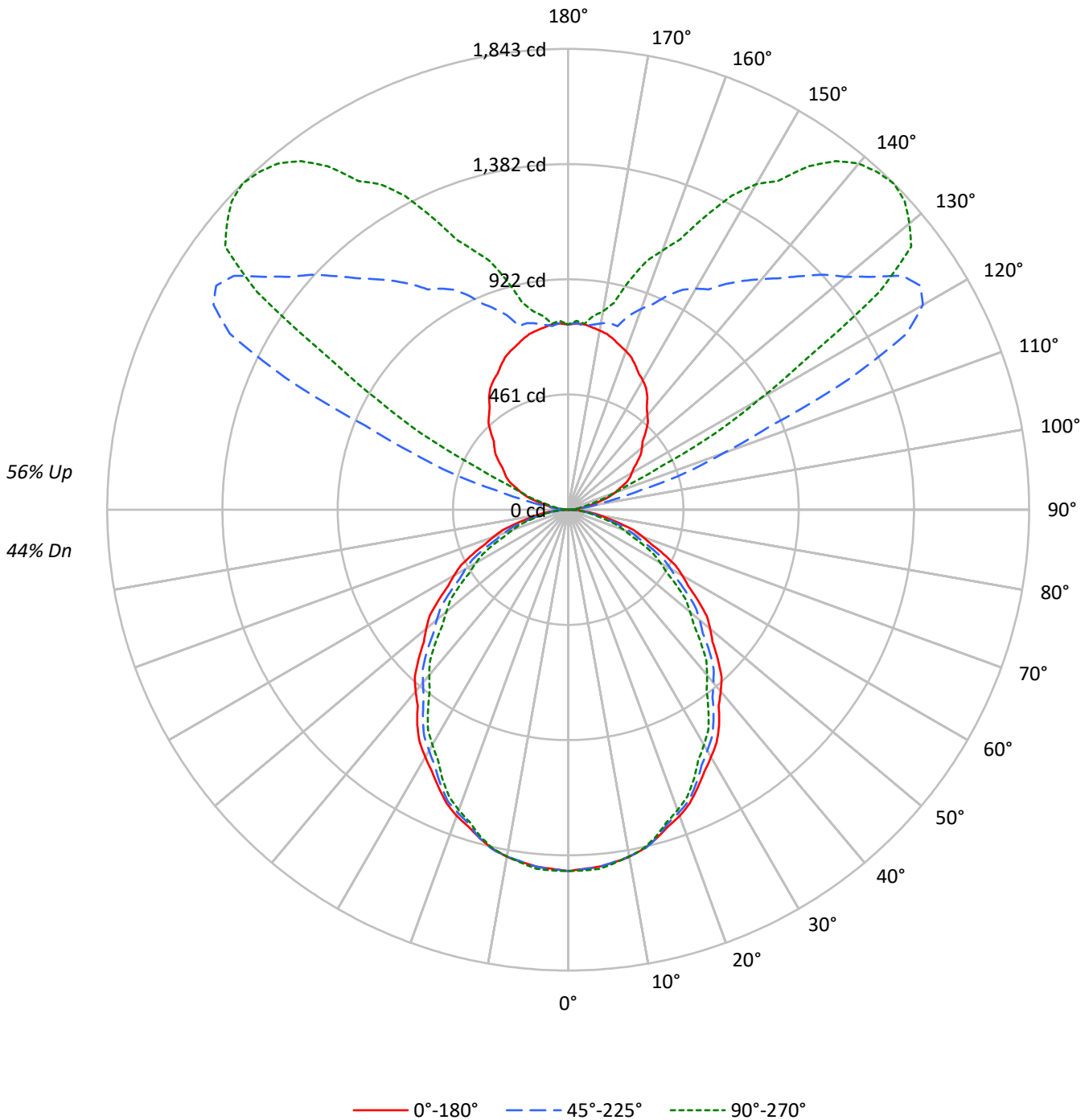
Lumens per Lamp: N/A  
Luminaire Lumens: 7814.2 lumens  
Efficiency: N/A  
Efficacy: 157.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 49.5  
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: P1439451

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

### Luminous Intensity Polar Plot





TEST NUMBER: P1439451

CATALOG NUMBER: CB3-B-085U-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	50	30	10	50	30	10	0		
RCR																										
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44					44			
1	97	92	89	85	88	85	82	79	70	68	66	57	56	54	45	44	43	38					38			
2	88	81	75	70	80	74	69	65	62	58	55	51	48	46	40	38	37	32					32			
3	80	71	64	58	73	66	59	54	55	50	46	45	41	39	36	33	31	27					27			
4	74	63	55	49	67	58	51	46	49	44	40	40	36	33	32	29	27	23					23			
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24	20					20			
6	62	50	43	37	57	47	40	34	39	34	30	33	28	25	26	23	21	18					18			
7	58	46	38	32	53	42	35	30	36	30	26	30	26	22	24	21	19	16					16			
8	53	41	34	29	49	38	32	27	33	27	23	27	23	20	22	19	17	14					14			
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	20	17	15	13					13			
10	46	35	28	23	43	32	26	21	27	22	19	23	19	16	19	16	14	12					12			

**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: P1439451

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.3	1.7
10°-20°	383.0	4.9
20°-30°	556.5	7.1
30°-40°	632.7	8.1
40°-50°	614.2	7.9
50°-60°	518.6	6.6
60°-70°	368.9	4.7
70°-80°	197.1	2.5
80°-90°	52.1	0.7
90°-100°	50.1	0.6
100°-110°	262.4	3.4
110°-120°	660.5	8.5
120°-130°	1018.9	13.0
130°-140°	932.8	11.9
140°-150°	688.4	8.8
150°-160°	438.8	5.6
160°-170°	231.0	3.0
170°-180°	71.9	0.9
0°-30°	1075.8	13.8
0°-40°	1708.5	21.9
0°-60°	2841.3	36.4
0°-90°	3459.4	44.3
90°-120°	972.9	12.5
90°-150°	3613.0	46.2
90°-180°	4355.0	55.7
0°-180°	7814.2	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	3
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: P1439451

CATALOG NUMBER: CB3-B-085U-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°	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: P1439451

CATALOG NUMBER: CB3-B-085U-085D-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: P1439451  
 CATALOG NUMBER: CB3-B-085U-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	16.30	17.10	17.31	18.12	19.47	15.22	16.03	16.23	17.04	18.39
	3H	17.96	18.68	18.98	19.71	21.08	16.63	17.35	17.65	18.38	19.75
	4H	18.59	19.27	19.62	20.30	21.68	17.15	17.83	18.18	18.86	20.24
	6H	18.97	19.60	20.01	20.63	22.02	17.46	18.09	18.50	19.12	20.51
	8H	19.11	19.71	20.15	20.75	22.14	17.58	18.18	18.63	19.23	20.62
	12H	19.17	19.74	20.22	20.78	22.19	17.66	18.22	18.71	19.27	20.68
4H	2H	16.70	17.38	17.74	18.41	19.79	15.84	16.52	16.88	17.55	18.93
	3H	18.59	19.15	19.63	20.21	21.60	17.46	18.02	18.50	19.08	20.47
	4H	19.33	19.85	20.38	20.90	22.32	18.06	18.58	19.11	19.63	21.04
	6H	19.83	20.28	20.89	21.35	22.76	18.47	18.92	19.53	19.99	21.40
	8H	20.02	20.44	21.08	21.50	22.93	18.64	19.06	19.70	20.12	21.55
	12H	20.12	20.49	21.20	21.57	23.00	18.74	19.12	19.82	20.20	21.63
8H	4H	19.46	19.87	20.52	20.94	22.36	18.32	18.74	19.38	19.80	21.22
	6H	20.07	20.42	21.16	21.52	22.95	18.85	19.19	19.93	20.29	21.72
	8H	20.35	20.65	21.44	21.74	23.18	19.10	19.40	20.19	20.49	21.93
	12H	20.51	20.78	21.61	21.86	23.34	19.27	19.54	20.37	20.62	22.10
12H	4H	19.43	19.80	20.51	20.88	22.31	18.32	18.69	19.40	19.77	21.20
	6H	20.09	20.39	21.18	21.48	22.92	18.90	19.20	19.99	20.29	21.73
	8H	20.39	20.65	21.48	21.74	23.22	19.18	19.45	20.28	20.53	22.01