

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: P1438916

Luminaire Tested: CB2-B-085U-030D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438916  
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-030D-930-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

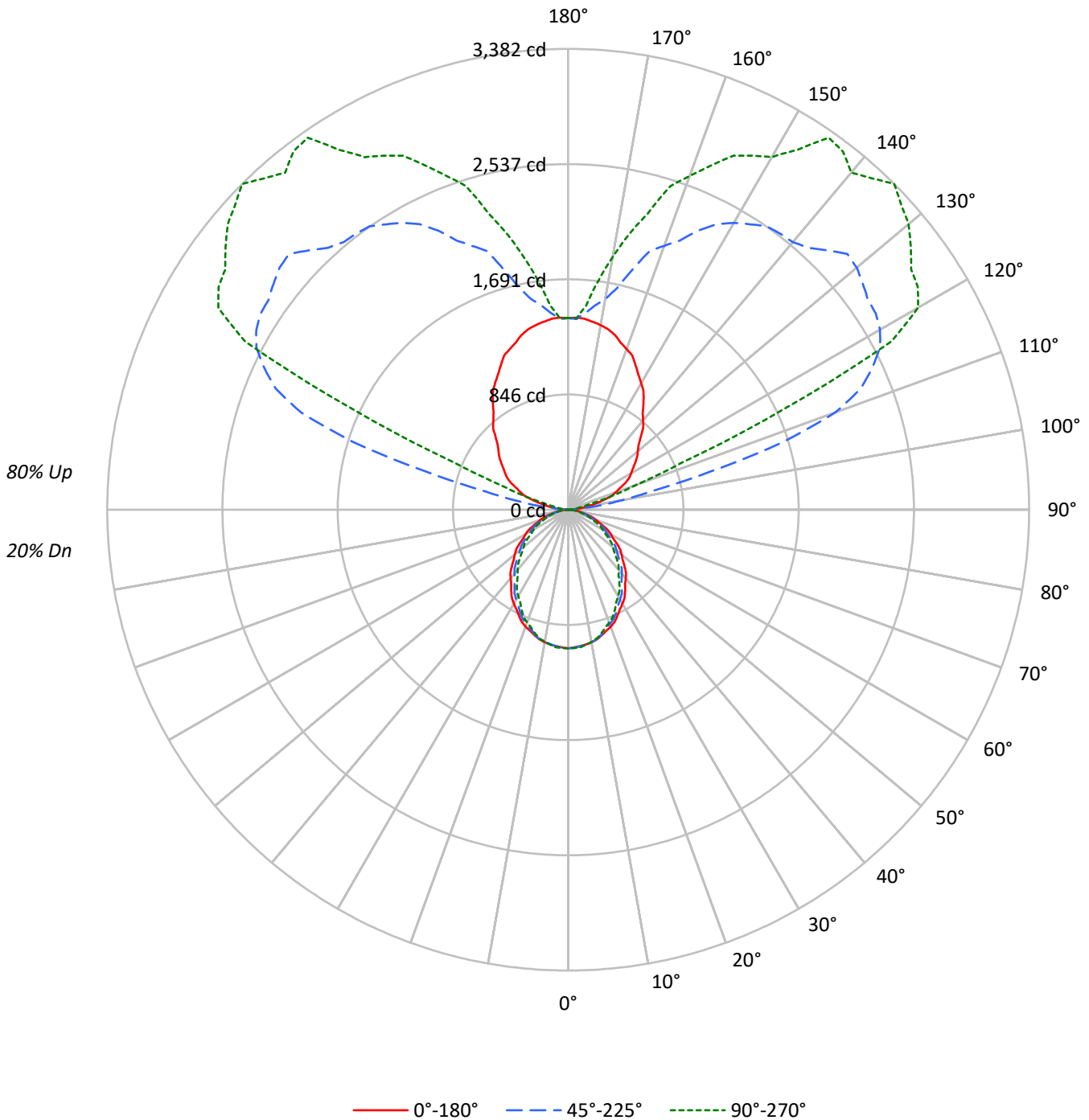
Lumens per Lamp: N/A  
Luminaire Lumens: 11611.0 lumens  
Efficiency: N/A  
Efficacy: 152.8 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 76  
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

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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	100	100	100	100	89	89	89	89	67	67	67	47	47	47	29	29	29	20
1	91	87	83	80	81	77	74	71	59	57	55	41	40	39	26	25	25	17
2	83	76	70	65	73	68	63	59	51	48	45	36	34	33	23	22	21	15
3	76	67	60	55	67	59	54	49	45	41	38	32	30	28	20	19	18	13
4	69	59	52	46	61	53	46	41	40	36	32	29	26	24	18	17	15	11
5	63	52	45	39	56	47	40	35	36	31	28	26	23	21	16	15	13	9
6	58	47	39	34	51	42	35	31	32	28	24	23	20	18	15	13	12	8
7	54	42	35	29	47	38	31	27	29	24	21	21	18	16	13	12	10	7
8	50	38	31	26	44	34	28	23	26	22	19	19	16	14	12	11	9	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	12	11	10	8	6
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	10	9	8	5

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

	0°	45°	90°
0°	8862	8862	8862
5°	8787	8801	8862
10°	8737	8717	8709
15°	8598	8543	8472
20°	8463	8276	8160
25°	8236	8004	7779
30°	8008	7656	7365
35°	7745	7298	6950
40°	7468	6962	6555
45°	7188	6612	6170
50°	6935	6270	5796
55°	6624	5915	5442
60°	6270	5577	5089
65°	5893	5203	4737
70°	5477	4782	4285
75°	4980	4327	3880
80°	4453	3791	3516
85°	3427	3118	2568

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7188 cd/sqm



TEST NUMBER: P1438916

CATALOG NUMBER: CB2-B-085U-030D-930-1D-UNV-STD-W-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.7	0.8
10°-20°	266.8	2.3
20°-30°	383.6	3.3
30°-40°	431.1	3.7
40°-50°	416.4	3.6
50°-60°	351.9	3.0
60°-70°	252.7	2.2
70°-80°	138.1	1.2
80°-90°	36.7	0.3
90°-100°	105.3	0.9
100°-110°	652.4	5.6
110°-120°	1645.1	14.2
120°-130°	1977.6	17.0
130°-140°	1793.0	15.4
140°-150°	1429.8	12.3
150°-160°	975.3	8.4
160°-170°	515.8	4.4
170°-180°	143.6	1.2
0°-30°	746.0	6.4
0°-40°	1177.1	10.1
0°-60°	1945.4	16.8
0°-90°	2373.0	20.4
90°-120°	2402.8	20.7
90°-150°	7603.3	65.5
90°-180°	9238.0	79.6
0°-180°	11611.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1018	1018	1018	1018	1018	
5°	1005	1019	1007	1007	1014	95
15°	954	962	948	938	940	269
25°	857	858	833	814	810	395
35°	728	720	686	660	654	455
45°	584	571	537	509	501	451
55°	436	420	390	365	358	390
65°	286	275	252	234	230	284
75°	148	139	129	118	115	158
85°	34	32	31	27	26	41
90°	0	0	0	0	0	3
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	

TEST NUMBER: P1438916

CATALOG NUMBER: CB2-B-085U-030D-930-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1017.6	1017.6	1017.6	1017.6	1017.6
2.5°	1010.8	1023.0	1013.9	1015.2	1017.0
5°	1005.2	1018.9	1006.7	1006.9	1013.7
7.5°	998.0	1010.9	995.6	992.8	999.2
10°	988.0	1001.0	985.7	980.3	984.9
12.5°	974.9	987.3	972.6	964.1	968.1
15°	953.7	962.1	947.5	938.2	939.7
17.5°	930.7	935.8	914.8	906.9	905.4
20°	913.2	917.8	893.0	882.0	880.5
22.5°	890.8	894.7	868.6	855.2	853.1
25°	857.1	857.9	833.0	814.1	809.6
27.5°	821.9	819.5	791.8	769.5	763.6
30°	796.3	793.3	761.3	737.8	732.4
32.5°	768.9	763.4	731.3	706.0	700.6
35°	728.5	720.2	686.5	659.8	653.7
37.5°	685.5	676.1	643.0	614.0	607.1
40°	656.9	646.2	612.4	583.5	576.6
42.5°	628.2	616.3	581.9	552.9	545.4
45°	583.6	571.4	536.9	508.6	501.0
47.5°	541.2	525.7	492.1	464.1	456.4
50°	511.9	495.2	462.8	435.4	427.8
52.5°	482.0	464.6	433.5	407.3	399.7
55°	436.3	420.3	389.6	365.3	358.4
57.5°	391.2	375.8	347.7	324.5	317.8
60°	360.0	347.0	320.2	298.3	292.2
62.5°	330.1	318.3	292.8	272.7	266.6
65°	286.0	275.3	252.5	234.4	229.9
67.5°	243.1	232.4	214.0	197.8	192.6
70°	215.1	204.4	187.8	172.9	168.3
72.5°	188.3	177.0	163.5	149.8	146.5
75°	148.0	138.9	128.6	118.4	115.3
77.5°	112.5	103.7	96.2	89.0	88.2
80°	88.8	81.2	75.6	70.9	70.1
82.5°	66.4	60.6	56.9	53.4	53.3
85°	34.3	32.0	31.2	27.2	25.7
87.5°	10.0	10.0	8.7	7.5	7.5
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



TEST NUMBER: P1438916

CATALOG NUMBER: CB2-B-085U-030D-930-1D-UNV-STD-W-8

**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	10.84	11.48	12.01	12.64	14.28	9.74	10.38	10.92	11.54	13.18
	3H	12.47	13.04	13.65	14.21	15.86	11.25	11.82	12.43	12.99	14.64
	4H	13.08	13.63	14.28	14.80	16.45	11.81	12.36	13.00	13.52	15.18
	6H	13.47	13.98	14.67	15.15	16.81	12.17	12.67	13.37	13.84	15.51
	8H	13.62	14.09	14.82	15.28	16.94	12.31	12.78	13.51	13.97	15.63
	12H	13.68	14.14	14.89	15.31	16.99	12.36	12.81	13.56	13.99	15.67
4H	2H	11.22	11.77	12.42	12.93	14.59	10.35	10.89	11.55	12.06	13.72
	3H	13.07	13.52	14.27	14.72	16.39	12.06	12.52	13.26	13.71	15.38
	4H	13.81	14.23	15.01	15.40	17.09	12.72	13.14	13.93	14.32	16.01
	6H	14.31	14.67	15.52	15.87	17.55	13.19	13.55	14.39	14.75	16.42
	8H	14.51	14.85	15.72	16.04	17.73	13.37	13.71	14.58	14.90	16.59
	12H	14.61	14.91	15.83	16.12	17.81	13.45	13.75	14.67	14.96	16.65
8H	4H	13.94	14.28	15.15	15.47	17.17	12.98	13.32	14.19	14.51	16.20
	6H	14.58	14.85	15.80	16.09	17.78	13.58	13.85	14.80	15.09	16.78
	8H	14.87	15.11	16.10	16.32	18.03	13.85	14.09	15.08	15.30	17.01
	12H	15.03	15.24	16.26	16.45	18.19	13.99	14.20	15.22	15.41	17.15
12H	4H	13.91	14.22	15.14	15.42	17.12	12.97	13.28	14.20	14.48	16.18
	6H	14.60	14.84	15.83	16.06	17.77	13.64	13.88	14.87	15.09	16.80
	8H	14.91	15.12	16.14	16.33	18.07	13.93	14.14	15.17	15.35	17.09