

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: P1438913

Luminaire Tested: CB2-B-085U-030D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438913
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-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

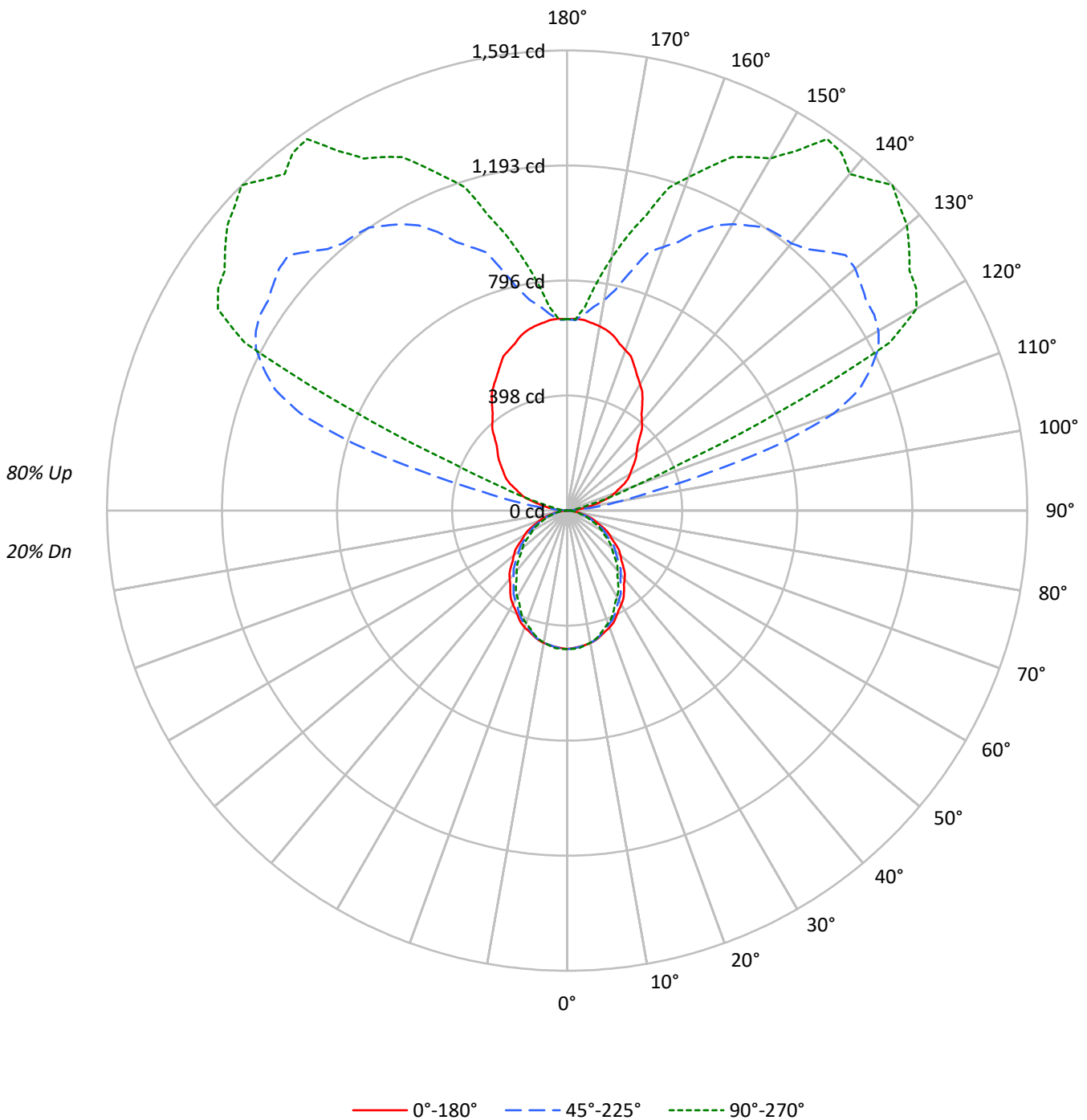
Lumens per Lamp: N/A
Luminaire Lumens: 5462.6 lumens
Efficiency: N/A
Efficacy: 160.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.23
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 34.1
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

TEST NUMBER: P1438913

CATALOG NUMBER: CB2-B-085U-030D-927-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1438913

CATALOG NUMBER: CB2-B-085U-030D-927-1D-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	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°	8339	8339	8339
5°	8268	8280	8338
10°	8220	8201	8196
15°	8091	8039	7972
20°	7963	7787	7677
25°	7749	7531	7320
30°	7534	7202	6931
35°	7289	6868	6540
40°	7026	6550	6168
45°	6764	6222	5806
50°	6525	5899	5455
55°	6234	5566	5120
60°	5901	5250	4790
65°	5543	4896	4455
70°	5154	4497	4033
75°	4690	4071	3654
80°	4193	3571	3310
85°	3217	2938	2418

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6764 cd/sqm



TEST NUMBER: P1438913

CATALOG NUMBER: CB2-B-085U-030D-927-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	0.8
10°-20°	125.5	2.3
20°-30°	180.4	3.3
30°-40°	202.8	3.7
40°-50°	195.9	3.6
50°-60°	165.5	3.0
60°-70°	118.9	2.2
70°-80°	65.0	1.2
80°-90°	17.3	0.3
90°-100°	49.6	0.9
100°-110°	306.9	5.6
110°-120°	774.0	14.2
120°-130°	930.4	17.0
130°-140°	843.6	15.4
140°-150°	672.7	12.3
150°-160°	458.8	8.4
160°-170°	242.7	4.4
170°-180°	67.5	1.2
0°-30°	351.0	6.4
0°-40°	553.8	10.1
0°-60°	915.2	16.8
0°-90°	1116.4	20.4
90°-120°	1130.5	20.7
90°-150°	3577.1	65.5
90°-180°	4346.0	79.6
0°-180°	5462.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	479	479	479	479	479	
5°	473	479	474	474	477	45
15°	449	453	446	441	442	126
25°	403	404	392	383	381	186
35°	343	339	323	310	308	214
45°	275	269	253	239	236	212
55°	205	198	183	172	169	184
65°	134	130	119	110	108	133
75°	70	65	60	56	54	75
85°	16	15	15	13	12	19
90°	0	0	0	0	0	2
95°	26	65	20	14	14	33
105°	125	351	508	127	86	132
115°	217	479	1158	1078	821	213
125°	282	580	1263	1437	1446	253
135°	354	643	1266	1482	1591	275
145°	453	676	1195	1440	1568	283
155°	550	690	1063	1282	1348	253
165°	624	683	858	1010	1058	175
175°	661	670	681	693	707	63
180°	661	661	661	661	661	

TEST NUMBER: P1438913

CATALOG NUMBER: CB2-B-085U-030D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	478.8	478.8	478.8	478.8	478.8
2.5°	475.5	481.3	477.0	477.6	478.5
5°	472.9	479.3	473.6	473.7	476.9
7.5°	469.5	475.6	468.4	467.1	470.1
10°	464.8	470.9	463.7	461.2	463.4
12.5°	458.7	464.5	457.6	453.6	455.4
15°	448.7	452.6	445.8	441.4	442.1
17.5°	437.8	440.3	430.4	426.7	426.0
20°	429.6	431.8	420.1	415.0	414.2
22.5°	419.1	420.9	408.7	402.3	401.3
25°	403.2	403.6	391.9	383.0	380.9
27.5°	386.7	385.5	372.5	362.0	359.2
30°	374.6	373.2	358.1	347.1	344.6
32.5°	361.7	359.2	344.1	332.1	329.6
35°	342.8	338.8	323.0	310.4	307.6
37.5°	322.5	318.1	302.5	288.9	285.6
40°	309.0	304.0	288.1	274.5	271.3
42.5°	295.5	289.9	273.8	260.1	256.6
45°	274.6	268.8	252.6	239.3	235.7
47.5°	254.6	247.3	231.5	218.3	214.7
50°	240.8	233.0	217.7	204.8	201.3
52.5°	226.8	218.6	204.0	191.6	188.1
55°	205.3	197.8	183.3	171.9	168.6
57.5°	184.0	176.8	163.6	152.6	149.5
60°	169.4	163.3	150.7	140.3	137.5
62.5°	155.3	149.8	137.8	128.3	125.4
65°	134.5	129.5	118.8	110.3	108.1
67.5°	114.4	109.4	100.7	93.1	90.6
70°	101.2	96.2	88.3	81.3	79.2
72.5°	88.6	83.3	76.9	70.5	68.9
75°	69.7	65.3	60.5	55.7	54.3
77.5°	52.9	48.8	45.2	41.9	41.5
80°	41.8	38.2	35.6	33.4	33.0
82.5°	31.2	28.5	26.8	25.1	25.1
85°	16.1	15.1	14.7	12.8	12.1
87.5°	4.7	4.7	4.1	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	6.8	11.3	4.6	4.6	4.6
95°	25.7	64.7	20.0	14.3	14.3
97.5°	53.6	155.1	107.8	29.0	25.1
100°	74.1	224.7	185.3	42.6	34.2
102.5°	94.7	285.3	292.5	67.5	52.5
105°	125.4	351.2	507.5	127.3	85.5
107.5°	155.7	394.3	777.8	262.8	158.5
110°	173.9	419.2	980.7	409.7	245.2

TEST NUMBER: P1438913

CATALOG NUMBER: CB2-B-085U-030D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	192.2	444.2	1092.5	656.7	423.1
115°	216.7	478.7	1157.5	1077.6	821.1
117.5°	237.2	510.4	1213.4	1332.6	1257.3
120°	250.9	535.2	1243.0	1369.1	1394.1
122.5°	264.6	553.4	1259.0	1383.2	1430.6
125°	282.3	580.5	1263.0	1437.1	1445.5
127.5°	299.9	601.0	1281.8	1486.6	1490.5
130°	313.6	614.7	1300.1	1503.2	1533.8
132.5°	329.6	626.2	1306.9	1512.7	1558.9
135°	353.5	643.4	1265.8	1482.1	1590.9
137.5°	383.7	655.8	1226.5	1481.3	1551.5
140°	402.0	658.5	1206.0	1514.0	1519.6
142.5°	422.5	665.6	1201.4	1510.4	1558.4
145°	453.3	676.3	1194.6	1439.8	1568.1
147.5°	484.1	683.1	1168.3	1361.9	1474.0
150°	504.6	685.8	1143.3	1335.9	1405.5
152.5°	525.2	688.5	1111.3	1319.6	1378.2
155°	550.2	689.6	1063.4	1281.6	1348.5
157.5°	576.5	686.3	1005.8	1212.2	1285.2
160°	590.2	682.2	969.3	1161.8	1225.9
162.5°	603.8	680.2	937.4	1095.9	1171.2
165°	624.4	682.9	858.2	1010.3	1057.7
167.5°	638.1	680.4	784.0	908.7	975.6
170°	647.2	680.6	738.4	830.9	886.7
172.5°	654.0	669.6	711.0	759.8	797.7
175°	661.4	669.8	681.4	693.1	707.1
177.5°	663.7	668.2	659.2	657.0	661.4
180°	661.4	661.4	661.4	661.4	661.4



TEST NUMBER: P1438913
 CATALOG NUMBER: CB2-B-085U-030D-927-1D-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	10.63	11.27	11.80	12.43	14.07	9.52	10.17	10.70	11.32	12.97
	3H	12.25	12.83	13.44	14.00	15.65	11.04	11.61	12.22	12.78	14.43
	4H	12.87	13.42	14.06	14.59	16.24	11.60	12.15	12.79	13.31	14.97
	6H	13.26	13.77	14.46	14.93	16.60	11.96	12.46	13.16	13.63	15.30
	8H	13.41	13.88	14.61	15.07	16.73	12.09	12.57	13.29	13.75	15.41
	12H	13.47	13.92	14.68	15.10	16.78	12.15	12.60	13.35	13.78	15.46
4H	2H	11.01	11.55	12.21	12.72	14.38	10.13	10.68	11.33	11.84	13.50
	3H	12.86	13.31	14.06	14.50	16.17	11.85	12.30	13.05	13.49	15.16
	4H	13.59	14.01	14.80	15.19	16.88	12.51	12.93	13.72	14.11	15.80
	6H	14.10	14.46	15.31	15.66	17.34	12.98	13.33	14.18	14.54	16.21
	8H	14.30	14.64	15.51	15.83	17.52	13.16	13.50	14.37	14.69	16.38
	12H	14.40	14.70	15.62	15.90	17.60	13.24	13.54	14.46	14.75	16.44
8H	4H	13.73	14.07	14.94	15.26	16.95	12.77	13.10	13.97	14.30	15.99
	6H	14.37	14.64	15.59	15.88	17.57	13.37	13.64	14.59	14.88	16.57
	8H	14.65	14.89	15.88	16.11	17.82	13.64	13.88	14.87	15.09	16.80
	12H	14.82	15.03	16.05	16.24	17.98	13.78	13.99	15.01	15.20	16.94
12H	4H	13.70	14.01	14.92	15.21	16.91	12.76	13.07	13.98	14.27	15.97
	6H	14.39	14.63	15.62	15.84	17.56	13.43	13.67	14.66	14.88	16.59
	8H	14.70	14.91	15.93	16.12	17.86	13.72	13.93	14.95	15.14	16.88