

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: P1438918

Luminaire Tested: CB2-B-085U-030D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438918
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-935-1D-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

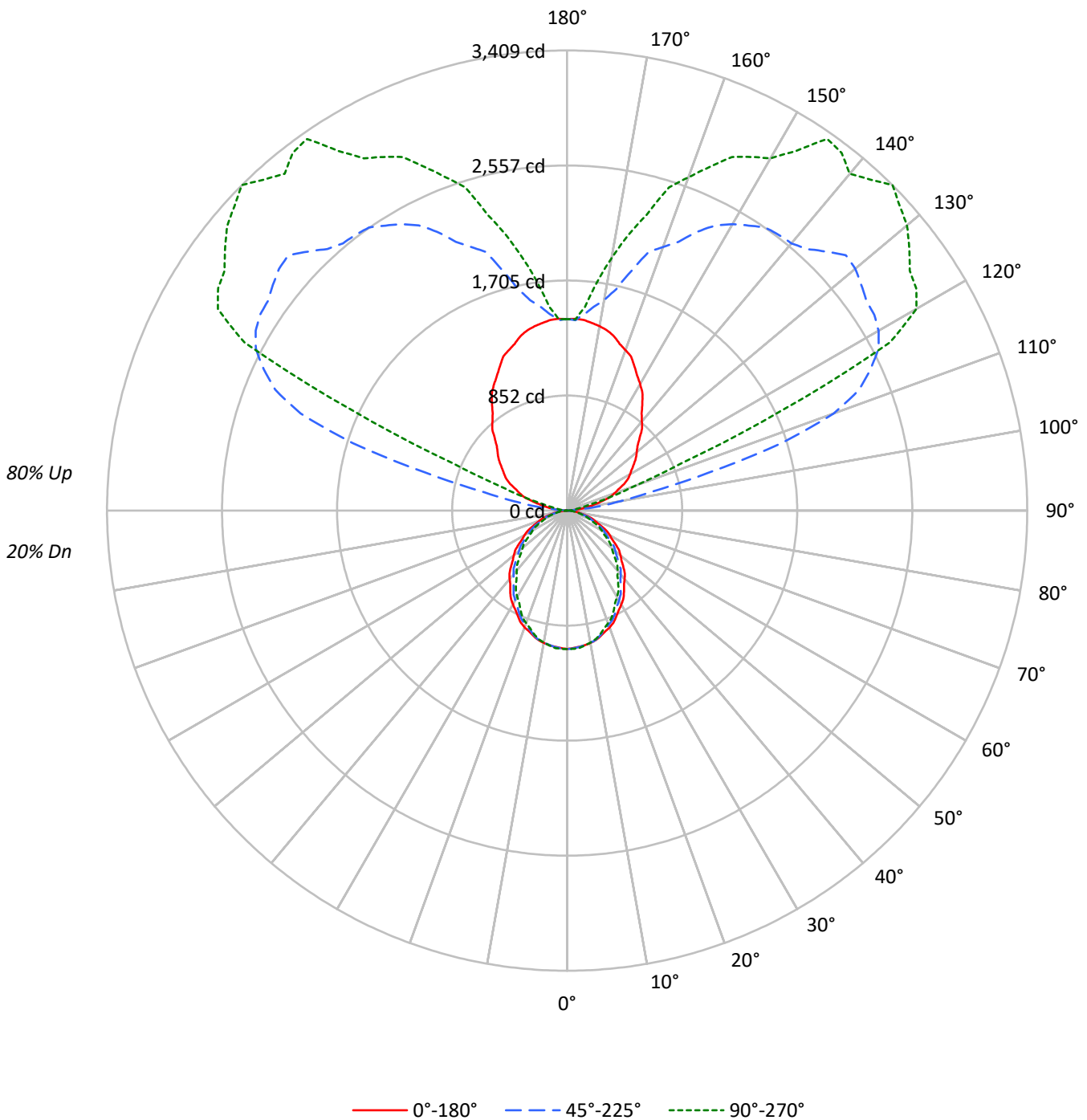
Lumens per Lamp: N/A
Luminaire Lumens: 11706.5 lumens
Efficiency: N/A
Efficacy: 154.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 76
Input Voltage (V): 120
Input Current (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										
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	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°	8935	8935	8935
5°	8859	8873	8935
10°	8809	8788	8781
15°	8670	8613	8542
20°	8533	8344	8227
25°	8304	8070	7843
30°	8074	7718	7426
35°	7809	7358	7007
40°	7529	7020	6608
45°	7247	6667	6221
50°	6992	6322	5843
55°	6679	5964	5487
60°	6321	5624	5131
65°	5941	5244	4777
70°	5520	4820	4321
75°	5024	4361	3913
80°	4494	3822	3546
85°	3457	3138	2588

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7247 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.5	0.8
10°-20°	268.9	2.3
20°-30°	386.7	3.3
30°-40°	434.7	3.7
40°-50°	419.9	3.6
50°-60°	354.8	3.0
60°-70°	254.8	2.2
70°-80°	139.3	1.2
80°-90°	37.0	0.3
90°-100°	106.2	0.9
100°-110°	657.7	5.6
110°-120°	1658.6	14.2
120°-130°	1993.9	17.0
130°-140°	1807.8	15.4
140°-150°	1441.6	12.3
150°-160°	983.3	8.4
160°-170°	520.1	4.4
170°-180°	144.7	1.2
0°-30°	752.1	6.4
0°-40°	1186.8	10.1
0°-60°	1961.4	16.8
0°-90°	2392.5	20.4
90°-120°	2422.6	20.7
90°-150°	7665.8	65.5
90°-180°	9314.0	79.6
0°-180°	11706.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1026	1026	1026	1026	1026	
5°	1013	1027	1015	1015	1022	96
15°	962	970	955	946	947	271
25°	864	865	840	821	816	398
35°	734	726	692	665	659	459
45°	588	576	541	513	505	455
55°	440	424	393	368	361	393
65°	288	278	254	236	232	286
75°	149	140	130	119	116	160
85°	35	32	31	28	26	41
90°	0	0	0	0	0	3
95°	55	139	43	30	30	70
105°	269	753	1088	273	183	282
115°	464	1026	2481	2309	1760	455
125°	605	1244	2707	3080	3098	541
135°	758	1379	2713	3176	3409	589
145°	972	1449	2560	3086	3360	607
155°	1179	1478	2279	2747	2890	543
165°	1338	1464	1839	2165	2267	375
175°	1418	1435	1460	1485	1515	134
180°	1418	1418	1418	1418	1418	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1026.0	1026.0	1026.0	1026.0	1026.0
2.5°	1019.1	1031.4	1022.2	1023.5	1025.4
5°	1013.4	1027.3	1015.0	1015.2	1022.1
7.5°	1006.2	1019.3	1003.8	1001.0	1007.5
10°	996.1	1009.2	993.8	988.4	993.0
12.5°	982.9	995.4	980.6	972.0	976.0
15°	961.6	970.0	955.3	945.9	947.4
17.5°	938.3	943.5	922.3	914.4	912.9
20°	920.7	925.3	900.3	889.3	887.7
22.5°	898.1	902.1	875.8	862.2	860.1
25°	864.2	864.9	839.8	820.8	816.2
27.5°	828.7	826.2	798.3	775.9	769.9
30°	802.9	799.8	767.5	743.8	738.5
32.5°	775.2	769.7	737.4	711.8	706.4
35°	734.5	726.1	692.1	665.3	659.1
37.5°	691.2	681.6	648.3	619.1	612.1
40°	662.3	651.5	617.5	588.3	581.3
42.5°	633.4	621.4	586.7	557.4	549.9
45°	588.4	576.1	541.3	512.8	505.1
47.5°	545.7	530.0	496.2	467.9	460.2
50°	516.1	499.2	466.6	439.0	431.3
52.5°	486.0	468.5	437.1	410.7	403.0
55°	439.9	423.8	392.8	368.3	361.4
57.5°	394.4	378.9	350.5	327.1	320.4
60°	362.9	349.9	322.9	300.7	294.6
62.5°	332.8	321.0	295.2	275.0	268.8
65°	288.3	277.6	254.5	236.4	231.8
67.5°	245.1	234.4	215.7	199.4	194.2
70°	216.8	206.1	189.3	174.3	169.7
72.5°	189.8	178.4	164.8	151.1	147.7
75°	149.3	140.0	129.6	119.3	116.3
77.5°	113.4	104.5	96.9	89.7	88.9
80°	89.6	81.9	76.2	71.5	70.7
82.5°	66.9	61.1	57.3	53.9	53.7
85°	34.6	32.3	31.4	27.5	25.9
87.5°	10.1	10.1	8.8	7.5	7.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	14.7	24.2	9.8	9.8	9.8
95°	55.0	138.6	42.8	30.5	30.5
97.5°	114.9	332.3	231.0	62.1	53.8
100°	158.9	481.5	397.1	91.2	73.3
102.5°	202.8	611.5	626.9	144.7	112.4
105°	268.8	752.7	1087.6	272.9	183.3
107.5°	333.6	845.0	1666.8	563.1	339.7
110°	372.7	898.4	2101.8	877.9	525.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	411.8	951.9	2341.3	1407.3	906.7
115°	464.3	1025.9	2480.6	2309.2	1759.6
117.5°	508.3	1093.8	2600.3	2855.7	2694.4
120°	537.7	1147.0	2663.9	2933.9	2987.7
122.5°	567.0	1185.9	2698.1	2964.4	3065.9
125°	604.9	1244.1	2706.7	3079.8	3097.7
127.5°	642.8	1288.0	2747.0	3185.9	3194.2
130°	672.1	1317.3	2786.1	3221.4	3287.1
132.5°	706.3	1341.9	2800.8	3241.7	3340.9
135°	757.6	1378.9	2712.8	3176.3	3409.3
137.5°	822.4	1405.5	2628.5	3174.4	3325.0
140°	861.5	1411.1	2584.5	3244.6	3256.5
142.5°	905.5	1426.4	2574.7	3236.9	3339.6
145°	971.5	1449.4	2560.0	3085.6	3360.4
147.5°	1037.5	1464.0	2503.8	2918.6	3158.8
150°	1081.4	1469.8	2450.0	2862.8	3012.2
152.5°	1125.4	1475.5	2381.6	2828.0	2953.5
155°	1179.2	1477.9	2279.0	2746.6	2890.0
157.5°	1235.4	1470.8	2155.6	2597.8	2754.3
160°	1264.7	1461.9	2077.3	2489.8	2627.2
162.5°	1294.1	1457.8	2008.9	2348.6	2509.9
165°	1338.1	1463.5	1839.1	2165.2	2266.8
167.5°	1367.4	1458.2	1680.2	1947.4	2090.8
170°	1386.9	1458.6	1582.4	1780.7	1900.2
172.5°	1401.6	1435.1	1523.8	1628.3	1709.5
175°	1417.5	1435.4	1460.3	1485.4	1515.2
177.5°	1422.4	1431.9	1412.6	1407.9	1417.5
180°	1417.5	1417.5	1417.5	1417.5	1417.5



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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	10.87	11.51	12.04	12.67	14.31	9.77	10.41	10.94	11.57	13.21
	3H	12.49	13.07	13.68	14.24	15.89	11.28	11.85	12.46	13.02	14.67
	4H	13.11	13.66	14.30	14.83	16.48	11.84	12.39	13.03	13.55	15.21
	6H	13.50	14.01	14.70	15.17	16.84	12.20	12.70	13.40	13.87	15.54
	8H	13.65	14.12	14.85	15.31	16.97	12.33	12.81	13.53	13.99	15.65
	12H	13.71	14.16	14.92	15.34	17.02	12.39	12.84	13.59	14.02	15.70
4H	2H	11.25	11.79	12.45	12.96	14.62	10.37	10.92	11.57	12.09	13.74
	3H	13.10	13.55	14.30	14.74	16.41	12.09	12.54	13.29	13.73	15.40
	4H	13.83	14.25	15.04	15.43	17.12	12.75	13.17	13.96	14.35	16.04
	6H	14.34	14.70	15.55	15.90	17.58	13.21	13.57	14.42	14.78	16.45
	8H	14.54	14.88	15.75	16.07	17.76	13.40	13.73	14.61	14.93	16.62
	12H	14.64	14.94	15.86	16.14	17.84	13.48	13.78	14.70	14.98	16.68
8H	4H	13.97	14.31	15.18	15.50	17.19	13.01	13.34	14.21	14.54	16.23
	6H	14.61	14.88	15.83	16.12	17.81	13.60	13.88	14.83	15.12	16.80
	8H	14.89	15.13	16.12	16.34	18.06	13.88	14.12	15.11	15.33	17.04
	12H	15.06	15.27	16.29	16.48	18.22	14.02	14.23	15.25	15.44	17.18
12H	4H	13.94	14.25	15.16	15.45	17.15	13.00	13.31	14.22	14.51	16.21
	6H	14.63	14.87	15.86	16.08	17.79	13.67	13.90	14.89	15.12	16.83
	8H	14.94	15.15	16.17	16.36	18.10	13.96	14.17	15.19	15.38	17.12