

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: P1439423

Luminaire Tested: CB3-B-055U-085D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439423
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-055U-085D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

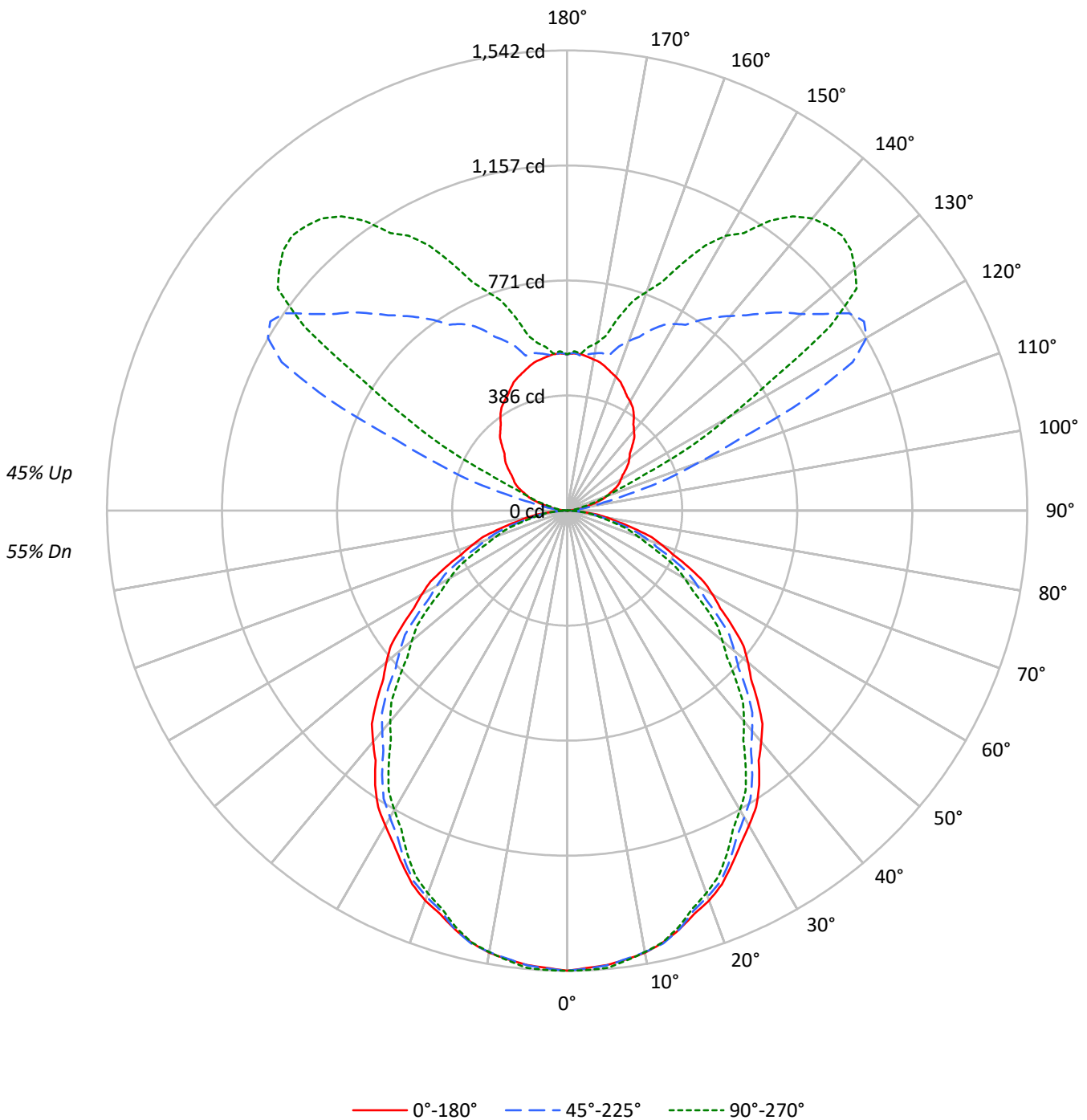
Lumens per Lamp: N/A
Luminaire Lumens: 6770.8 lumens
Efficiency: N/A
Efficacy: 162.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 41.6
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	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55																				
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	46																				
2	90	83	77	72	84	77	72	67	66	62	59	57	54	51	47	45	44	39																				
3	83	73	66	60	76	68	62	57	59	54	50	50	47	43	42	40	37	33																				
4	76	65	57	51	70	61	54	48	52	47	43	45	41	37	38	35	32	29																				
5	69	58	50	44	64	54	47	41	47	41	37	40	36	33	34	31	28	25																				
6	64	52	44	38	59	49	41	36	42	37	32	37	32	29	31	28	25	22																				
7	59	47	39	34	55	44	37	32	39	33	29	33	29	25	28	25	22	20																				
8	55	43	35	30	51	40	33	28	35	30	25	31	26	23	26	23	20	18																				
9	51	39	32	27	48	37	30	25	32	27	23	28	24	20	24	21	18	16																				
10	48	36	29	24	45	34	27	23	30	24	21	26	22	19	22	19	16	15																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17445	17445	17445
5°	17363	17375	17475
10°	17287	17261	17261
15°	17021	17021	16919
20°	16745	16574	16428
25°	16323	16118	15831
30°	15924	15508	15137
35°	15503	14929	14400
40°	14944	14234	13618
45°	14438	13615	12774
50°	13916	12876	11950
55°	13349	12161	11167
60°	12738	11423	10283
65°	12021	10583	9352
70°	11195	9600	8333
75°	10151	8424	7419
80°	8848	7063	6561
85°	6829	5972	5972

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14438 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.5	2.1
10°-20°	408.7	6.0
20°-30°	593.8	8.8
30°-40°	675.1	10.0
40°-50°	655.4	9.7
50°-60°	553.3	8.2
60°-70°	393.7	5.8
70°-80°	210.3	3.1
80°-90°	55.6	0.8
90°-100°	35.4	0.5
100°-110°	185.5	2.7
110°-120°	467.0	6.9
120°-130°	720.5	10.6
130°-140°	659.6	9.7
140°-150°	486.8	7.2
150°-160°	310.3	4.6
160°-170°	163.4	2.4
170°-180°	50.9	0.8
0°-30°	1148.0	17.0
0°-40°	1823.1	26.9
0°-60°	3031.8	44.8
0°-90°	3691.4	54.5
90°-120°	688.0	10.2
90°-150°	2554.9	37.7
90°-180°	3079.0	45.5
0°-180°	6770.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1542	1542	1542	1542	1542	
5°	1529	1548	1530	1528	1539	145
15°	1453	1466	1453	1444	1444	409
25°	1308	1312	1291	1273	1268	602
35°	1122	1112	1081	1049	1042	699
45°	902	888	851	810	798	696
55°	677	658	616	577	566	605
65°	449	433	395	360	349	445
75°	232	219	193	173	170	248
85°	53	48	46	46	46	62
90°	0	0	0	0	0	3
95°	18	52	21	12	12	23
105°	95	293	212	87	72	101
115°	180	367	881	383	291	175
125°	240	371	1153	1163	1075	215
135°	309	413	934	1274	1303	239
145°	390	451	780	1084	1186	242
155°	450	484	669	828	913	207
165°	498	512	537	628	671	140
175°	526	537	521	524	528	50
180°	524	524	524	524	524	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1541.8	1541.8	1541.8	1541.8	1541.8
2.5°	1534.0	1549.4	1535.7	1537.5	1541.0
5°	1528.7	1548.0	1529.8	1527.9	1538.6
7.5°	1516.9	1534.4	1515.6	1511.2	1520.8
10°	1504.6	1523.9	1502.4	1497.1	1502.4
12.5°	1482.7	1502.8	1485.8	1476.9	1481.4
15°	1453.1	1466.0	1453.1	1444.4	1444.4
17.5°	1417.0	1430.5	1406.3	1400.1	1397.7
20°	1390.7	1402.5	1376.5	1367.7	1364.4
22.5°	1355.7	1366.6	1345.0	1330.0	1325.9
25°	1307.5	1311.8	1291.1	1273.4	1268.1
27.5°	1259.1	1260.2	1231.7	1210.3	1203.3
30°	1218.8	1219.9	1187.0	1163.9	1158.6
32.5°	1178.5	1175.3	1144.1	1116.7	1113.0
35°	1122.4	1111.7	1080.8	1048.9	1042.5
37.5°	1054.8	1048.3	1011.8	979.9	970.2
40°	1011.8	1001.1	963.7	931.7	922.0
42.5°	968.9	956.5	918.1	882.6	872.1
45°	902.3	888.4	850.9	810.1	798.3
47.5°	835.3	820.1	778.8	739.3	726.2
50°	790.6	774.6	731.5	692.9	678.9
52.5°	745.1	728.2	685.1	645.6	634.3
55°	676.7	658.5	616.5	576.9	566.1
57.5°	608.4	590.4	548.6	511.1	498.3
60°	562.9	545.7	504.8	467.3	454.4
62.5°	516.4	500.2	460.1	423.5	411.5
65°	449.0	432.9	395.3	360.0	349.3
67.5°	382.2	368.5	331.4	299.0	290.4
70°	338.4	325.5	290.2	260.4	251.9
72.5°	296.3	282.6	249.0	223.7	217.7
75°	232.2	219.3	192.7	172.9	169.7
77.5°	173.5	163.0	139.9	128.7	127.0
80°	135.8	126.2	108.4	100.7	100.7
82.5°	100.7	92.8	81.3	78.0	78.0
85°	52.6	48.3	46.0	46.0	46.0
87.5°	15.8	15.8	14.9	14.0	14.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.5	12.8	3.7	1.9	3.7
95°	18.5	52.3	20.8	11.5	11.5
97.5°	38.3	116.8	53.5	28.5	25.8
100°	53.0	165.8	83.0	41.4	36.9
102.5°	69.7	214.9	125.5	56.1	48.0
105°	94.6	293.0	212.2	87.3	71.5
107.5°	122.2	346.4	349.7	134.6	108.4
110°	140.7	368.5	465.9	176.7	136.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	157.3	374.2	620.9	240.9	185.9
115°	179.9	367.1	881.1	383.1	290.6
117.5°	196.5	349.4	1078.5	609.4	470.1
120°	207.6	349.7	1157.8	780.7	625.0
122.5°	220.5	351.7	1180.0	950.7	807.7
125°	239.9	370.7	1153.2	1162.8	1074.8
127.5°	259.2	384.6	1081.3	1249.9	1222.4
130°	272.2	393.9	1024.1	1279.6	1259.3
132.5°	285.1	403.2	983.5	1280.3	1290.7
135°	309.1	412.8	934.1	1273.8	1303.1
137.5°	333.5	424.6	888.0	1233.5	1294.4
140°	348.3	434.0	851.1	1189.8	1277.8
142.5°	364.9	441.6	816.0	1149.3	1242.7
145°	389.8	450.7	779.6	1084.0	1185.5
147.5°	409.2	455.6	738.5	1018.1	1102.0
150°	422.1	455.9	721.9	959.5	1063.3
152.5°	433.2	465.2	701.6	905.8	1000.5
155°	449.8	483.6	668.9	827.7	913.4
157.5°	466.4	498.8	630.1	769.4	827.6
160°	477.4	504.5	604.3	741.2	779.6
162.5°	486.7	510.1	576.6	693.4	737.1
165°	498.2	511.7	537.4	628.3	671.2
167.5°	508.8	515.6	540.6	564.5	599.2
170°	514.3	521.1	535.1	558.4	569.7
172.5°	519.9	530.2	527.7	543.6	553.1
175°	525.9	537.1	521.3	523.7	528.2
177.5°	527.3	532.7	529.1	529.2	534.6
180°	523.6	523.6	523.6	523.6	523.6



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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	17.49	18.38	18.41	19.32	20.52	16.41	17.30	17.33	18.24	19.45
	3H	19.16	19.96	20.09	20.90	22.13	17.83	18.63	18.76	19.57	20.80
	4H	19.79	20.55	20.74	21.50	22.74	18.35	19.10	19.29	20.05	21.29
	6H	20.18	20.87	21.14	21.83	23.08	18.67	19.36	19.62	20.32	21.57
	8H	20.32	20.98	21.28	21.95	23.20	18.79	19.45	19.76	20.43	21.68
	12H	20.39	21.02	21.35	21.98	23.26	18.87	19.50	19.84	20.46	21.74
4H	2H	17.90	18.66	18.85	19.61	20.85	17.04	17.80	18.00	18.75	19.99
	3H	19.80	20.42	20.76	21.41	22.66	18.67	19.30	19.63	20.28	21.53
	4H	20.55	21.12	21.52	22.09	23.37	19.27	19.85	20.24	20.82	22.10
	6H	21.05	21.54	22.03	22.54	23.82	19.69	20.18	20.67	21.18	22.46
	8H	21.24	21.70	22.23	22.69	23.99	19.86	20.32	20.84	21.31	22.60
	12H	21.34	21.76	22.34	22.77	24.06	19.97	20.38	20.97	21.39	22.69
8H	4H	20.68	21.14	21.66	22.13	23.42	19.54	20.00	20.52	20.99	22.28
	6H	21.30	21.68	22.31	22.71	24.00	20.07	20.45	21.08	21.48	22.77
	8H	21.57	21.91	22.59	22.93	24.24	20.32	20.66	21.34	21.68	22.98
	12H	21.74	22.04	22.76	23.05	24.40	20.50	20.79	21.52	21.81	23.16
12H	4H	20.65	21.07	21.66	22.08	23.37	19.54	19.96	20.55	20.97	22.26
	6H	21.31	21.65	22.33	22.67	23.98	20.12	20.46	21.14	21.48	22.79
	8H	21.62	21.91	22.64	22.93	24.28	20.41	20.70	21.43	21.72	23.07