

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: P1439445

Luminaire Tested: CB3-B-085U-055D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439445
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-055D-935-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

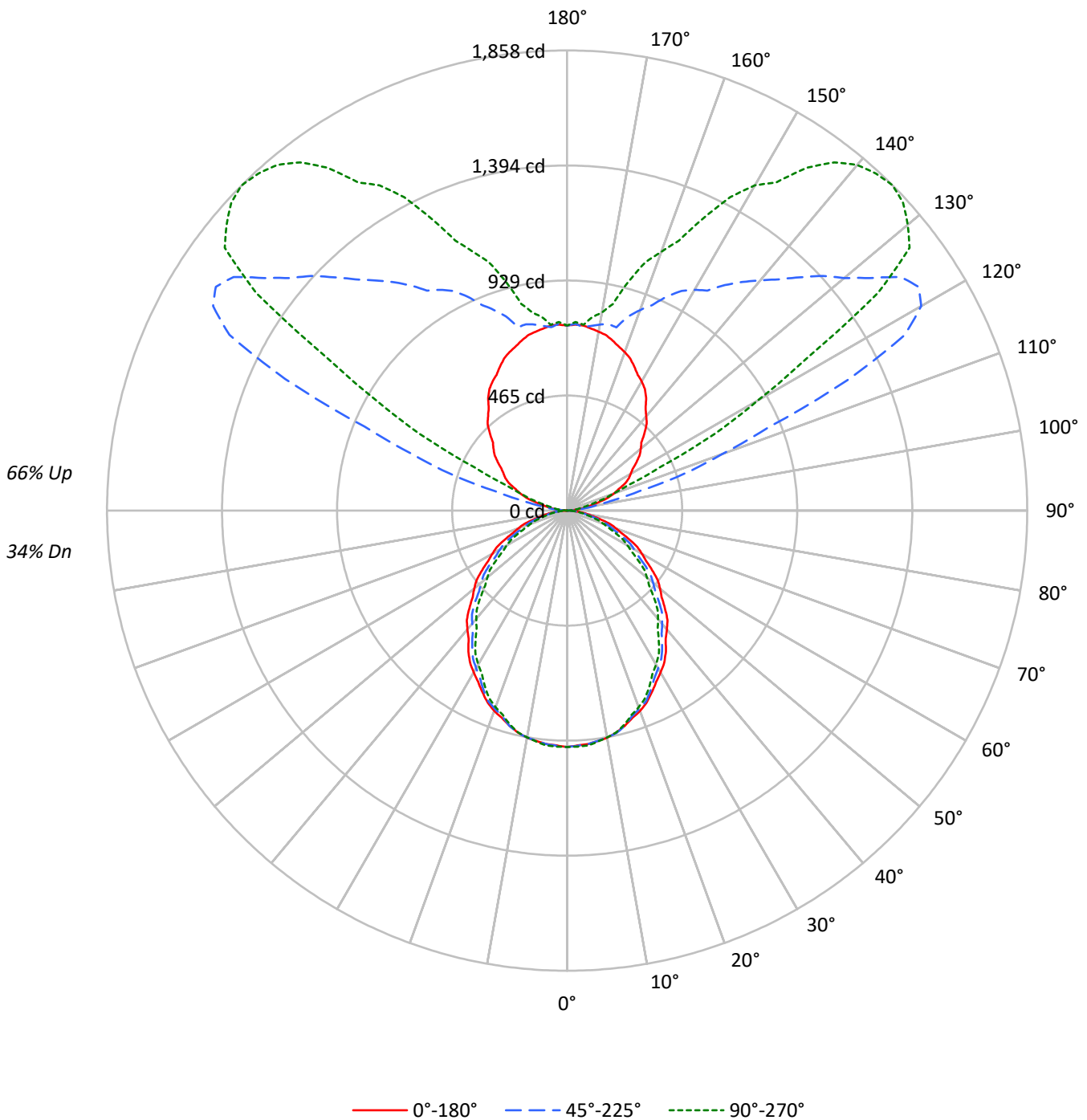
Lumens per Lamp: N/A
Luminaire Lumens: 6675.7 lumens
Efficiency: N/A
Efficacy: 165.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 40.4
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				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	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42	34
1	94	90	86	83	85	82	78	76	65	63	61	51	49	48	37	36	35	29
2	86	79	73	68	77	71	66	62	57	54	51	45	42	40	33	31	30	25
3	78	69	62	57	71	63	57	52	51	46	43	39	37	34	29	27	26	21
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	23	21	19	16
6	61	49	41	35	55	45	38	33	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	34	29	33	28	24	26	22	20	19	17	15	12
8	52	40	32	27	47	37	30	25	30	25	21	24	20	17	18	15	14	11
9	48	36	29	24	44	33	27	23	27	22	19	22	18	16	17	14	12	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10800	10800	10800
5°	10748	10756	10817
10°	10701	10686	10686
15°	10538	10538	10473
20°	10366	10260	10170
25°	10105	9977	9800
30°	9857	9600	9370
35°	9597	9242	8913
40°	9252	8810	8431
45°	8938	8428	7908
50°	8615	7970	7398
55°	8263	7528	6914
60°	7884	7072	6366
65°	7440	6551	5788
70°	6931	5941	5157
75°	6282	5215	4595
80°	5480	4372	4066
85°	4219	3700	3700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8938 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	1.3
10°-20°	253.0	3.8
20°-30°	367.6	5.5
30°-40°	417.9	6.3
40°-50°	405.7	6.1
50°-60°	342.5	5.1
60°-70°	243.7	3.7
70°-80°	130.2	2.0
80°-90°	34.4	0.5
90°-100°	50.5	0.8
100°-110°	264.5	4.0
110°-120°	665.9	10.0
120°-130°	1027.3	15.4
130°-140°	940.4	14.1
140°-150°	694.1	10.4
150°-160°	442.4	6.6
160°-170°	232.9	3.5
170°-180°	72.5	1.1
0°-30°	710.6	10.6
0°-40°	1128.6	16.9
0°-60°	1876.8	28.1
0°-90°	2285.1	34.2
90°-120°	980.9	14.7
90°-150°	3642.7	54.6
90°-180°	4391.0	65.8
0°-180°	6675.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	954	954	954	954	954	
5°	946	958	947	946	952	90
15°	900	908	900	894	894	253
25°	809	812	799	788	785	373
35°	695	688	669	649	645	433
45°	559	550	527	502	494	431
55°	419	408	382	357	350	375
65°	278	268	245	223	216	275
75°	144	136	119	107	105	153
85°	32	30	28	28	28	39
90°	0	0	0	0	0	2
95°	26	74	30	16	16	33
105°	135	418	302	124	102	144
115°	256	523	1256	546	414	250
125°	342	528	1644	1658	1532	306
135°	441	589	1332	1816	1858	340
145°	556	643	1112	1546	1690	345
155°	641	690	954	1180	1302	296
165°	710	730	766	896	957	200
175°	750	766	743	747	753	71
180°	746	746	746	746	746	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	954.5	954.5	954.5	954.5	954.5
2.5°	949.6	959.1	950.7	951.8	953.9
5°	946.3	958.3	947.0	945.8	952.4
7.5°	939.0	949.9	938.2	935.5	941.4
10°	931.4	943.3	930.1	926.7	930.1
12.5°	917.9	930.3	919.8	914.3	917.0
15°	899.6	907.5	899.6	894.1	894.1
17.5°	877.2	885.5	870.5	866.7	865.3
20°	860.9	868.2	852.1	846.6	844.6
22.5°	839.2	846.0	832.6	823.3	820.8
25°	809.4	812.0	799.2	788.3	785.0
27.5°	779.4	780.1	762.5	749.2	744.9
30°	754.5	755.1	734.8	720.5	717.2
32.5°	729.5	727.5	708.3	691.3	689.0
35°	694.8	688.2	669.1	649.3	645.3
37.5°	652.9	649.0	626.4	606.6	600.6
40°	626.4	619.7	596.5	576.7	570.8
42.5°	599.8	592.1	568.3	546.4	539.9
45°	558.6	550.0	526.7	501.5	494.2
47.5°	517.1	507.7	482.1	457.7	449.6
50°	489.4	479.5	452.8	428.9	420.3
52.5°	461.2	450.8	424.1	399.7	392.6
55°	418.9	407.7	381.6	357.1	350.5
57.5°	376.6	365.5	339.6	316.4	308.4
60°	348.4	337.8	312.5	289.3	281.3
62.5°	319.7	309.6	284.8	262.2	254.7
65°	277.9	268.0	244.7	222.9	216.2
67.5°	236.6	228.1	205.1	185.1	179.8
70°	209.5	201.5	179.6	161.2	155.9
72.5°	183.4	175.0	154.2	138.5	134.8
75°	143.7	135.8	119.3	107.1	105.1
77.5°	107.4	100.9	86.6	79.7	78.6
80°	84.1	78.1	67.1	62.4	62.4
82.5°	62.4	57.5	50.3	48.3	48.3
85°	32.5	29.9	28.5	28.5	28.5
87.5°	9.8	9.8	9.2	8.7	8.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	7.9	18.2	5.3	2.7	5.3
95°	26.3	74.5	29.6	16.4	16.4
97.5°	54.6	166.5	76.3	40.7	36.8
100°	75.6	236.4	118.4	59.0	52.6
102.5°	99.3	306.4	178.9	80.0	68.4
105°	134.8	417.8	302.5	124.4	101.9
107.5°	174.3	493.9	498.5	191.9	154.6
110°	200.6	525.3	664.3	251.9	194.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	224.3	533.6	885.3	343.5	265.0
115°	256.5	523.4	1256.2	546.2	414.3
117.5°	280.2	498.2	1537.7	868.9	670.2
120°	296.0	498.5	1650.8	1113.0	891.2
122.5°	314.4	501.5	1682.4	1355.5	1151.6
125°	342.0	528.5	1644.2	1657.8	1532.4
127.5°	369.6	548.4	1541.6	1782.1	1742.9
130°	388.0	561.7	1460.1	1824.4	1795.5
132.5°	406.5	574.9	1402.2	1825.4	1840.2
135°	440.7	588.6	1331.8	1816.2	1858.0
137.5°	475.5	605.4	1266.1	1758.7	1845.5
140°	496.6	618.7	1213.4	1696.4	1821.8
142.5°	520.2	629.6	1163.5	1638.7	1771.8
145°	555.7	642.6	1111.5	1545.6	1690.3
147.5°	583.4	649.6	1053.0	1451.6	1571.2
150°	601.8	650.0	1029.3	1368.1	1516.0
152.5°	617.6	663.2	1000.3	1291.5	1426.5
155°	641.2	689.5	953.7	1180.0	1302.2
157.5°	664.9	711.2	898.4	1096.9	1179.9
160°	680.7	719.3	861.6	1056.8	1111.5
162.5°	693.9	727.3	822.1	988.6	1051.0
165°	710.3	729.6	766.2	895.8	956.9
167.5°	725.4	735.1	770.8	804.8	854.3
170°	733.3	743.0	762.9	796.2	812.2
172.5°	741.2	756.0	752.4	775.1	788.6
175°	749.8	765.8	743.2	746.6	753.1
177.5°	751.7	759.5	754.4	754.5	762.3
180°	746.5	746.5	746.5	746.5	746.5



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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	13.75	14.47	14.83	15.56	17.04	12.67	13.40	13.75	14.48	15.96
	3H	15.40	16.05	16.50	17.15	18.64	14.07	14.72	15.16	15.81	17.31
	4H	16.03	16.65	17.13	17.74	19.24	14.58	15.20	15.69	16.29	17.80
	6H	16.41	16.97	17.52	18.07	19.59	14.89	15.46	16.01	16.56	18.07
	8H	16.54	17.08	17.65	18.19	19.70	15.01	15.55	16.13	16.67	18.18
	12H	16.60	17.12	17.72	18.22	19.75	15.08	15.60	16.20	16.70	18.24
4H	2H	14.14	14.76	15.25	15.85	17.35	13.28	13.90	14.39	14.99	16.49
	3H	16.02	16.53	17.13	17.65	19.17	14.89	15.40	16.00	16.52	18.04
	4H	16.76	17.23	17.88	18.34	19.88	15.49	15.96	16.61	17.07	18.61
	6H	17.25	17.66	18.38	18.79	20.32	15.89	16.30	17.02	17.43	18.96
	8H	17.44	17.82	18.57	18.94	20.49	16.06	16.44	17.19	17.56	19.11
	12H	17.53	17.88	18.68	19.01	20.56	16.16	16.50	17.30	17.64	19.19
8H	4H	16.88	17.26	18.00	18.38	19.92	15.74	16.12	16.87	17.24	18.79
	6H	17.49	17.80	18.64	18.97	20.51	16.26	16.57	17.41	17.74	19.28
	8H	17.77	18.04	18.92	19.18	20.75	16.51	16.79	17.67	17.93	19.49
	12H	17.92	18.16	19.08	19.31	20.90	16.68	16.92	17.84	18.07	19.66
12H	4H	16.84	17.19	17.99	18.32	19.87	15.73	16.08	16.88	17.21	18.76
	6H	17.51	17.78	18.66	18.93	20.49	16.32	16.59	17.47	17.74	19.30
	8H	17.80	18.04	18.96	19.18	20.78	16.59	16.83	17.75	17.98	19.57