

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: P1439442

Luminaire Tested: CB3-B-085U-055D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439442
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-927-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

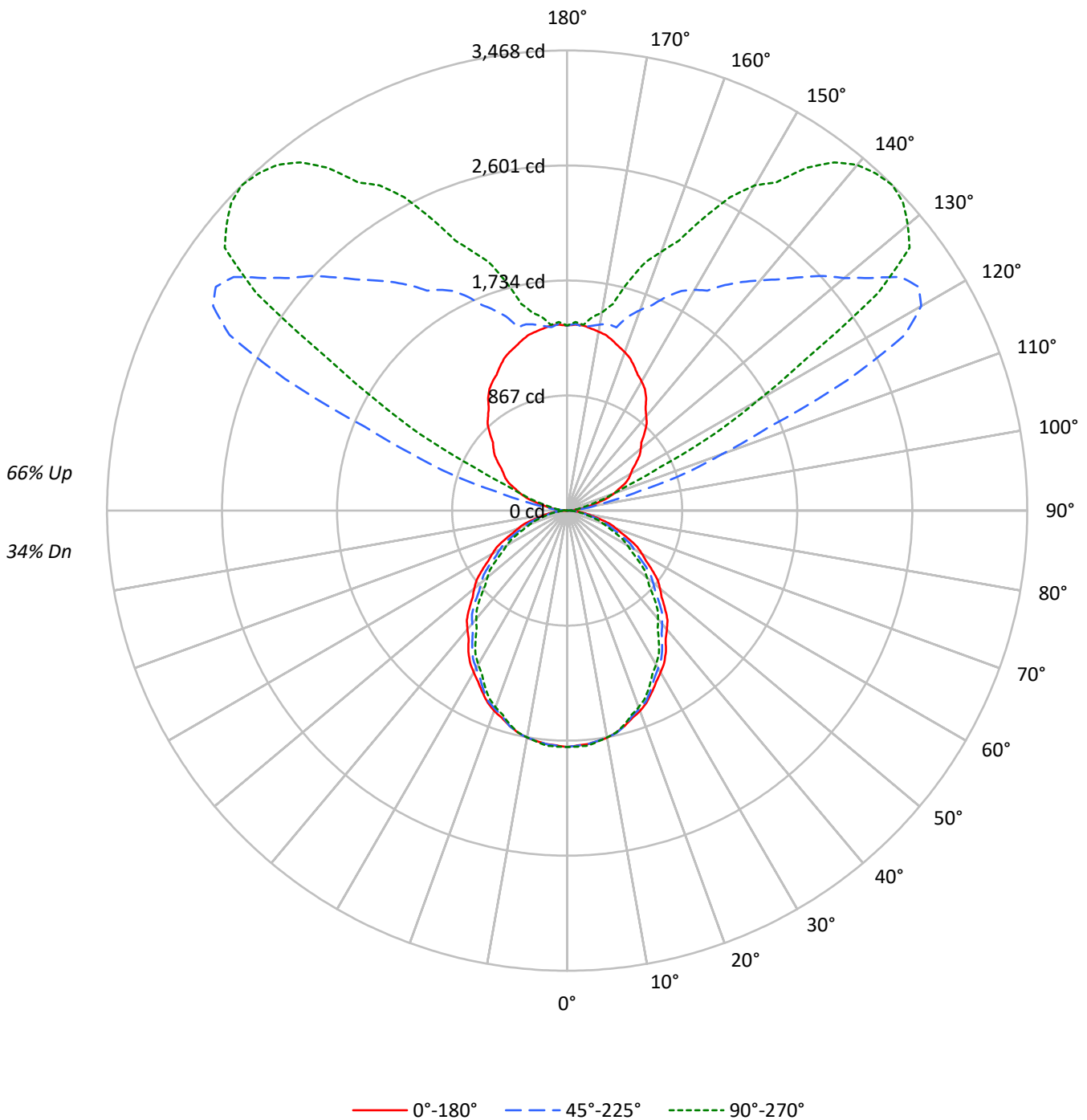
Lumens per Lamp: N/A
Luminaire Lumens: 12460.2 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 89.1
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: P1439442

CATALOG NUMBER: CB3-B-085U-055D-927-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1439442

CATALOG NUMBER: CB3-B-085U-055D-927-1D-UNV-STD-W-8

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	36	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°	10078	10078	10078
5°	10031	10038	10095
10°	9987	9973	9973
15°	9834	9834	9775
20°	9674	9575	9491
25°	9430	9312	9146
30°	9199	8960	8745
35°	8957	8625	8319
40°	8634	8223	7868
45°	8341	7865	7380
50°	8040	7439	6905
55°	7712	7026	6452
60°	7358	6600	5941
65°	6945	6115	5403
70°	6467	5546	4813
75°	5862	4868	4286
80°	5112	4082	3792
85°	3940	3447	3447

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8341 cd/sqm



TEST NUMBER: P1439442

CATALOG NUMBER: CB3-B-085U-055D-927-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.1	1.3
10°-20°	472.2	3.8
20°-30°	686.1	5.5
30°-40°	780.0	6.3
40°-50°	757.3	6.1
50°-60°	639.3	5.1
60°-70°	454.9	3.7
70°-80°	243.0	2.0
80°-90°	64.2	0.5
90°-100°	94.2	0.8
100°-110°	493.8	4.0
110°-120°	1242.9	10.0
120°-130°	1917.5	15.4
130°-140°	1755.3	14.1
140°-150°	1295.5	10.4
150°-160°	825.8	6.6
160°-170°	434.8	3.5
170°-180°	135.4	1.1
0°-30°	1326.4	10.6
0°-40°	2106.5	16.9
0°-60°	3503.0	28.1
0°-90°	4265.1	34.2
90°-120°	1830.9	14.7
90°-150°	6799.2	54.6
90°-180°	8195.0	65.8
0°-180°	12460.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1782	1782	1782	1782	1782	
5°	1766	1789	1768	1765	1778	168
15°	1679	1694	1679	1669	1669	473
25°	1511	1516	1492	1471	1465	696
35°	1297	1284	1249	1212	1204	808
45°	1043	1026	983	936	922	804
55°	782	761	712	666	654	699
65°	519	500	457	416	404	514
75°	268	253	223	200	196	286
85°	61	56	53	53	53	72
90°	0	0	0	0	0	5
95°	49	139	55	31	31	62
105°	252	780	565	232	190	269
115°	479	977	2345	1019	773	466
125°	638	986	3069	3094	2860	571
135°	822	1099	2486	3390	3468	635
145°	1037	1199	2075	2885	3155	645
155°	1197	1287	1780	2203	2431	552
165°	1326	1362	1430	1672	1786	374
175°	1399	1430	1387	1394	1406	132
180°	1393	1393	1393	1393	1393	

TEST NUMBER: P1439442

CATALOG NUMBER: CB3-B-085U-055D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1781.5	1781.5	1781.5	1781.5	1781.5
2.5°	1772.4	1790.2	1774.4	1776.5	1780.5
5°	1766.3	1788.6	1767.6	1765.3	1777.7
7.5°	1752.7	1772.9	1751.1	1746.1	1757.2
10°	1738.5	1760.8	1736.0	1729.8	1736.0
12.5°	1713.2	1736.4	1716.7	1706.5	1711.7
15°	1679.0	1693.9	1679.0	1668.9	1668.9
17.5°	1637.3	1652.8	1624.9	1617.7	1615.0
20°	1606.9	1620.5	1590.4	1580.2	1576.5
22.5°	1566.4	1579.0	1554.0	1536.7	1532.0
25°	1510.7	1515.7	1491.8	1471.4	1465.2
27.5°	1454.8	1456.0	1423.2	1398.4	1390.3
30°	1408.2	1409.5	1371.6	1344.8	1338.7
32.5°	1361.7	1358.0	1322.0	1290.2	1286.0
35°	1296.9	1284.5	1248.8	1212.0	1204.5
37.5°	1218.7	1211.3	1169.1	1132.2	1121.0
40°	1169.1	1156.7	1113.4	1076.5	1065.4
42.5°	1119.5	1105.2	1060.8	1019.8	1007.7
45°	1042.6	1026.5	983.1	936.0	922.4
47.5°	965.1	947.6	899.9	854.2	839.1
50°	913.5	895.0	845.2	800.6	784.5
52.5°	860.9	841.3	791.6	746.0	732.8
55°	781.9	760.9	712.3	666.5	654.1
57.5°	703.0	682.2	633.9	590.5	575.7
60°	650.3	630.6	583.3	539.9	525.1
62.5°	596.7	577.9	531.7	489.3	475.5
65°	518.8	500.2	456.8	416.0	403.6
67.5°	441.6	425.7	382.9	345.4	335.5
70°	391.0	376.1	335.3	300.9	291.0
72.5°	342.4	326.5	287.7	258.5	251.5
75°	268.2	253.4	222.7	199.8	196.1
77.5°	200.4	188.3	161.7	148.8	146.8
80°	156.9	145.8	125.3	116.4	116.4
82.5°	116.4	107.2	93.9	90.1	90.1
85°	60.7	55.8	53.1	53.1	53.1
87.5°	18.2	18.2	17.2	16.2	16.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	14.7	33.9	9.8	5.0	9.8
95°	49.1	139.1	55.2	30.7	30.7
97.5°	101.9	310.7	142.4	75.9	68.7
100°	141.2	441.2	221.0	110.2	98.2
102.5°	185.4	571.9	333.9	149.3	127.7
105°	251.7	779.8	564.7	232.3	190.3
107.5°	325.3	921.9	930.5	358.1	288.5
110°	374.4	980.6	1239.9	470.2	362.1



TEST NUMBER: P1439442

CATALOG NUMBER: CB3-B-085U-055D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	418.6	996.0	1652.3	641.2	494.7
115°	478.8	976.9	2344.7	1019.4	773.4
117.5°	523.0	929.9	2870.1	1621.8	1250.9
120°	552.4	930.5	3081.2	2077.5	1663.4
122.5°	586.8	936.1	3140.2	2530.0	2149.5
125°	638.3	986.4	3069.0	3094.3	2860.3
127.5°	689.9	1023.6	2877.5	3326.3	3253.1
130°	724.3	1048.4	2725.2	3405.3	3351.3
132.5°	758.6	1073.1	2617.2	3407.2	3434.8
135°	822.5	1098.6	2485.9	3389.9	3467.9
137.5°	887.5	1130.0	2363.1	3282.6	3444.6
140°	926.8	1154.9	2264.9	3166.3	3400.4
142.5°	971.0	1175.1	2171.6	3058.6	3307.1
145°	1037.3	1199.3	2074.6	2884.8	3154.9
147.5°	1088.9	1212.5	1965.4	2709.4	2932.7
150°	1123.2	1213.3	1921.2	2553.5	2829.6
152.5°	1152.7	1237.9	1867.2	2410.6	2662.6
155°	1196.9	1286.9	1780.0	2202.6	2430.6
157.5°	1241.1	1327.5	1676.9	2047.4	2202.3
160°	1270.5	1342.6	1608.1	1972.6	2074.6
162.5°	1295.1	1357.5	1534.5	1845.2	1961.7
165°	1325.8	1361.8	1430.1	1672.1	1786.1
167.5°	1354.0	1372.0	1438.7	1502.2	1594.6
170°	1368.8	1386.8	1424.0	1486.1	1516.1
172.5°	1383.5	1411.1	1404.4	1446.7	1471.9
175°	1399.4	1429.5	1387.2	1393.6	1405.6
177.5°	1403.1	1417.5	1408.0	1408.4	1422.8
180°	1393.3	1393.3	1393.3	1393.3	1393.3



TEST NUMBER: P1439442
 CATALOG NUMBER: CB3-B-085U-055D-927-1D-UNV-STD-W-8

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	13.51	14.23	14.59	15.32	16.80	12.43	13.16	13.51	14.24	15.72
	3H	15.16	15.81	16.26	16.91	18.40	13.83	14.48	14.92	15.57	17.07
	4H	15.79	16.41	16.89	17.50	19.00	14.34	14.96	15.45	16.05	17.56
	6H	16.17	16.73	17.28	17.83	19.35	14.65	15.22	15.77	16.32	17.83
	8H	16.30	16.84	17.41	17.95	19.46	14.77	15.31	15.89	16.42	17.93
	12H	16.36	16.88	17.48	17.98	19.51	14.84	15.36	15.96	16.46	17.99
4H	2H	13.90	14.52	15.01	15.61	17.11	13.04	13.66	14.15	14.75	16.25
	3H	15.78	16.29	16.89	17.41	18.93	14.65	15.16	15.76	16.28	17.80
	4H	16.52	16.99	17.64	18.10	19.64	15.25	15.72	16.37	16.83	18.37
	6H	17.01	17.42	18.14	18.55	20.08	15.65	16.06	16.78	17.19	18.72
	8H	17.20	17.58	18.33	18.70	20.25	15.82	16.20	16.95	17.32	18.87
	12H	17.29	17.64	18.44	18.77	20.32	15.92	16.26	17.06	17.40	18.95
8H	4H	16.64	17.02	17.76	18.14	19.68	15.50	15.88	16.63	17.00	18.55
	6H	17.25	17.56	18.40	18.73	20.27	16.02	16.33	17.17	17.50	19.04
	8H	17.53	17.80	18.68	18.94	20.51	16.27	16.55	17.43	17.69	19.25
	12H	17.68	17.92	18.84	19.07	20.66	16.44	16.68	17.60	17.82	19.42
12H	4H	16.60	16.95	17.75	18.08	19.63	15.49	15.84	16.64	16.97	18.52
	6H	17.27	17.54	18.42	18.69	20.25	16.08	16.35	17.23	17.50	19.06
	8H	17.56	17.80	18.72	18.94	20.54	16.35	16.59	17.51	17.74	19.33