

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: P1439444

Luminaire Tested: CB3-B-085U-055D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439444
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-930-1D-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

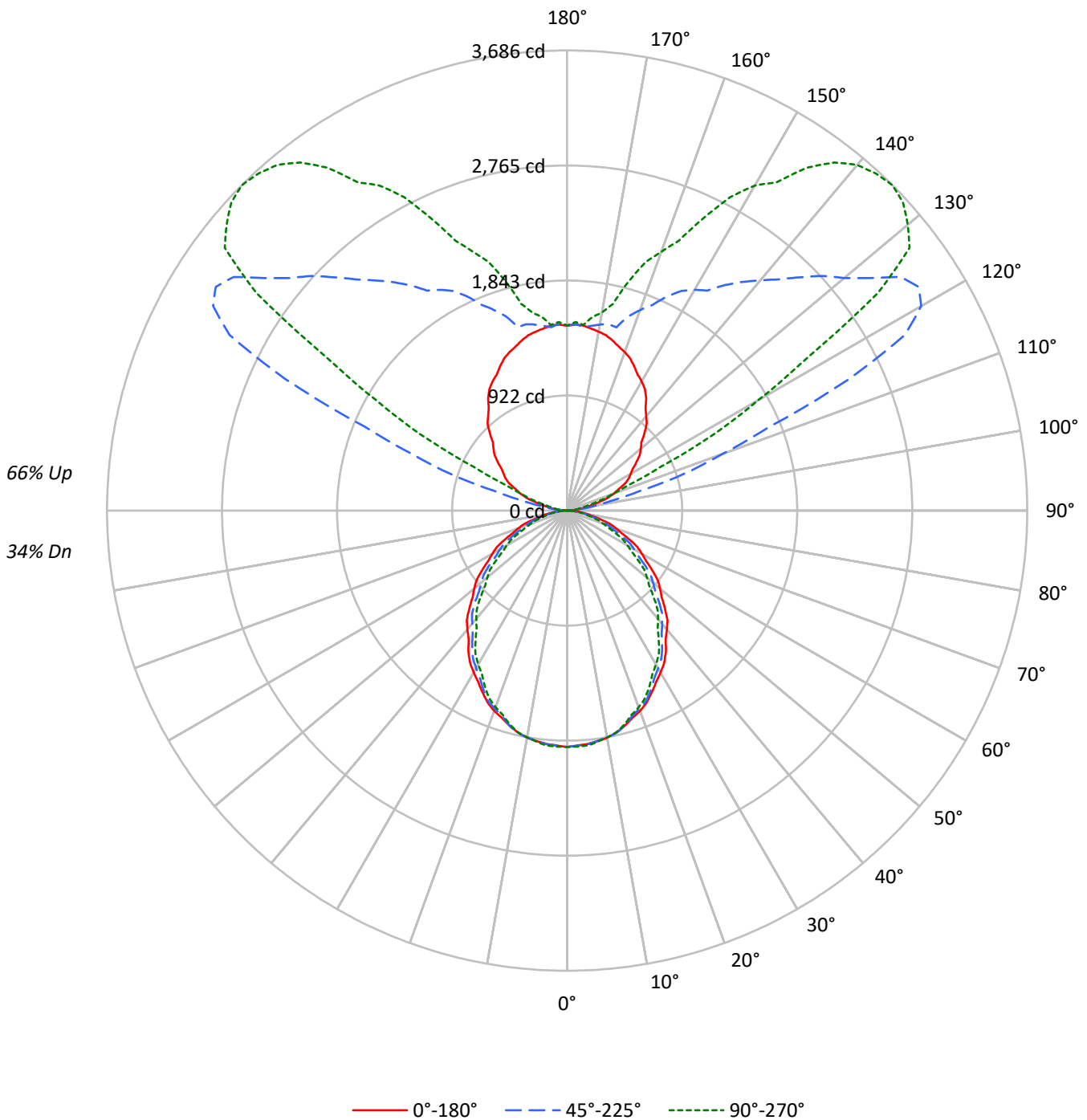
Lumens per Lamp: N/A
Luminaire Lumens: 13242.4 lumens
Efficiency: N/A
Efficacy: 148.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

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

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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	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°	10711	10711	10711
5°	10660	10668	10729
10°	10614	10598	10598
15°	10451	10451	10388
20°	10282	10176	10087
25°	10022	9896	9720
30°	9777	9522	9294
35°	9519	9166	8841
40°	9176	8739	8361
45°	8865	8359	7843
50°	8545	7906	7338
55°	8196	7467	6857
60°	7821	7014	6315
65°	7380	6498	5743
70°	6873	5893	5116
75°	6232	5174	4555
80°	5431	4336	4030
85°	4187	3667	3667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8865 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.6	1.3
10°-20°	501.9	3.8
20°-30°	729.2	5.5
30°-40°	829.0	6.3
40°-50°	804.8	6.1
50°-60°	679.5	5.1
60°-70°	483.4	3.7
70°-80°	258.3	2.0
80°-90°	68.2	0.5
90°-100°	100.1	0.8
100°-110°	524.7	4.0
110°-120°	1320.9	10.0
120°-130°	2037.8	15.4
130°-140°	1865.5	14.1
140°-150°	1376.8	10.4
150°-160°	877.6	6.6
160°-170°	462.0	3.5
170°-180°	143.9	1.1
0°-30°	1409.7	10.6
0°-40°	2238.7	16.9
0°-60°	3723.0	28.1
0°-90°	4532.9	34.2
90°-120°	1945.8	14.7
90°-150°	7226.0	54.6
90°-180°	8710.0	65.8
0°-180°	13242.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1893	1893	1893	1893	1893	
5°	1877	1901	1879	1876	1889	178
15°	1784	1800	1784	1774	1774	503
25°	1606	1611	1585	1564	1557	740
35°	1378	1365	1327	1288	1280	859
45°	1108	1091	1045	995	980	855
55°	831	809	757	708	695	743
65°	551	532	485	442	429	546
75°	285	269	237	212	208	304
85°	64	59	56	56	56	76
90°	0	0	0	0	0	5
95°	52	148	59	33	33	66
105°	268	829	600	247	202	286
115°	509	1038	2492	1083	822	496
125°	678	1048	3262	3289	3040	607
135°	874	1168	2642	3603	3686	675
145°	1102	1275	2205	3066	3353	685
155°	1272	1368	1892	2341	2583	586
165°	1409	1447	1520	1777	1898	397
175°	1487	1519	1474	1481	1494	141
180°	1481	1481	1481	1481	1481	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1893.3	1893.3	1893.3	1893.3	1893.3
2.5°	1883.7	1902.6	1885.8	1888.1	1892.3
5°	1877.2	1900.9	1878.6	1876.2	1889.3
7.5°	1862.7	1884.2	1861.1	1855.7	1867.5
10°	1847.6	1871.3	1844.9	1838.4	1844.9
12.5°	1820.7	1845.4	1824.5	1813.6	1819.1
15°	1784.4	1800.2	1784.4	1773.7	1773.7
17.5°	1740.0	1756.6	1726.9	1719.3	1716.4
20°	1707.8	1722.2	1690.3	1679.4	1675.5
22.5°	1664.7	1678.2	1651.6	1633.2	1628.2
25°	1605.6	1610.8	1585.4	1563.7	1557.2
27.5°	1546.1	1547.5	1512.5	1486.2	1477.6
30°	1496.7	1498.0	1457.7	1429.3	1422.7
32.5°	1447.2	1443.2	1404.9	1371.2	1366.8
35°	1378.3	1365.2	1327.2	1288.0	1280.2
37.5°	1295.2	1287.3	1242.5	1203.2	1191.4
40°	1242.5	1229.4	1183.3	1144.1	1132.2
42.5°	1189.8	1174.5	1127.4	1083.8	1070.9
45°	1108.0	1090.9	1044.8	994.8	980.3
47.5°	1025.7	1007.1	956.4	907.8	891.8
50°	970.9	951.2	898.3	850.8	833.7
52.5°	914.9	894.2	841.2	792.8	778.9
55°	831.0	808.7	757.1	708.4	695.2
57.5°	747.1	725.0	673.7	627.6	611.8
60°	691.2	670.1	619.9	573.8	558.1
62.5°	634.2	614.2	565.0	520.1	505.3
65°	551.3	531.6	485.4	442.1	429.0
67.5°	469.3	452.5	406.9	367.1	356.6
70°	415.5	399.7	356.3	319.8	309.3
72.5°	363.9	347.0	305.8	274.7	267.3
75°	285.1	269.3	236.7	212.4	208.4
77.5°	213.0	200.1	171.9	158.1	156.0
80°	166.7	154.9	133.1	123.7	123.7
82.5°	123.7	114.0	99.8	95.7	95.7
85°	64.5	59.3	56.5	56.5	56.5
87.5°	19.4	19.4	18.3	17.2	17.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	15.7	36.1	10.4	5.3	10.4
95°	52.2	147.9	58.7	32.6	32.6
97.5°	108.3	330.3	151.3	80.7	73.1
100°	150.0	468.9	234.8	117.1	104.4
102.5°	197.0	607.8	354.9	158.6	135.7
105°	267.5	828.7	600.1	246.9	202.2
107.5°	345.7	979.7	988.9	380.6	306.6
110°	397.9	1042.1	1317.7	499.7	384.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	444.9	1058.5	1756.1	681.4	525.8
115°	508.8	1038.2	2491.9	1083.4	821.9
117.5°	555.8	988.2	3050.3	1723.6	1329.4
120°	587.1	988.9	3274.7	2207.9	1767.8
122.5°	623.6	994.8	3337.3	2688.8	2284.4
125°	678.4	1048.4	3261.6	3288.6	3039.8
127.5°	733.2	1087.8	3058.1	3535.1	3457.3
130°	769.7	1114.2	2896.3	3619.1	3561.7
132.5°	806.3	1140.5	2781.5	3621.1	3650.4
135°	874.1	1167.5	2641.9	3602.7	3685.6
137.5°	943.3	1200.9	2511.5	3488.6	3660.8
140°	985.0	1227.4	2407.1	3365.1	3613.9
142.5°	1032.0	1248.8	2307.9	3250.7	3514.7
145°	1102.4	1274.6	2204.9	3065.9	3353.0
147.5°	1157.2	1288.6	2088.7	2879.5	3116.8
150°	1193.8	1289.4	2041.8	2713.8	3007.2
152.5°	1225.1	1315.6	1984.4	2561.9	2829.8
155°	1272.0	1367.7	1891.7	2340.8	2583.2
157.5°	1319.0	1410.8	1782.2	2176.0	2340.5
160°	1350.3	1426.9	1709.1	2096.4	2204.9
162.5°	1376.4	1442.7	1630.8	1961.1	2084.8
165°	1409.0	1447.3	1519.9	1777.1	1898.3
167.5°	1439.0	1458.2	1529.1	1596.5	1694.7
170°	1454.7	1473.8	1513.4	1579.4	1611.2
172.5°	1470.3	1499.7	1492.5	1537.5	1564.3
175°	1487.3	1519.2	1474.3	1481.1	1493.8
177.5°	1491.2	1506.5	1496.4	1496.8	1512.1
180°	1480.8	1480.8	1480.8	1480.8	1480.8



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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	13.72	14.45	14.80	15.53	17.01	12.64	13.37	13.72	14.45	15.93
	3H	15.37	16.03	16.47	17.12	18.62	14.04	14.69	15.14	15.79	17.28
	4H	16.00	16.62	17.10	17.71	19.21	14.55	15.17	15.66	16.26	17.77
	6H	16.38	16.95	17.49	18.04	19.56	14.86	15.43	15.98	16.53	18.05
	8H	16.51	17.05	17.63	18.16	19.67	14.98	15.53	16.10	16.64	18.15
	12H	16.57	17.09	17.69	18.19	19.72	15.05	15.57	16.17	16.67	18.21
4H	2H	14.11	14.73	15.22	15.82	17.32	13.25	13.87	14.36	14.96	16.47
	3H	15.99	16.50	17.10	17.62	19.14	14.86	15.37	15.97	16.49	18.01
	4H	16.73	17.20	17.85	18.31	19.85	15.46	15.93	16.58	17.04	18.58
	6H	17.22	17.63	18.35	18.76	20.29	15.86	16.27	16.99	17.40	18.93
	8H	17.41	17.79	18.54	18.91	20.46	16.03	16.41	17.16	17.53	19.08
	12H	17.50	17.85	18.65	18.98	20.53	16.13	16.47	17.27	17.61	19.16
8H	4H	16.85	17.23	17.98	18.35	19.90	15.71	16.09	16.84	17.21	18.76
	6H	17.46	17.77	18.61	18.94	20.48	16.23	16.55	17.38	17.71	19.25
	8H	17.74	18.01	18.89	19.16	20.72	16.48	16.76	17.64	17.90	19.46
	12H	17.90	18.14	19.05	19.28	20.87	16.65	16.89	17.81	18.04	19.63
12H	4H	16.82	17.16	17.96	18.29	19.84	15.71	16.05	16.85	17.18	18.73
	6H	17.48	17.75	18.63	18.90	20.46	16.29	16.56	17.44	17.71	19.27
	8H	17.77	18.01	18.93	19.15	20.75	16.56	16.80	17.72	17.95	19.54