

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: P1439446

Luminaire Tested: CB3-B-085U-055D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439446
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-8
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

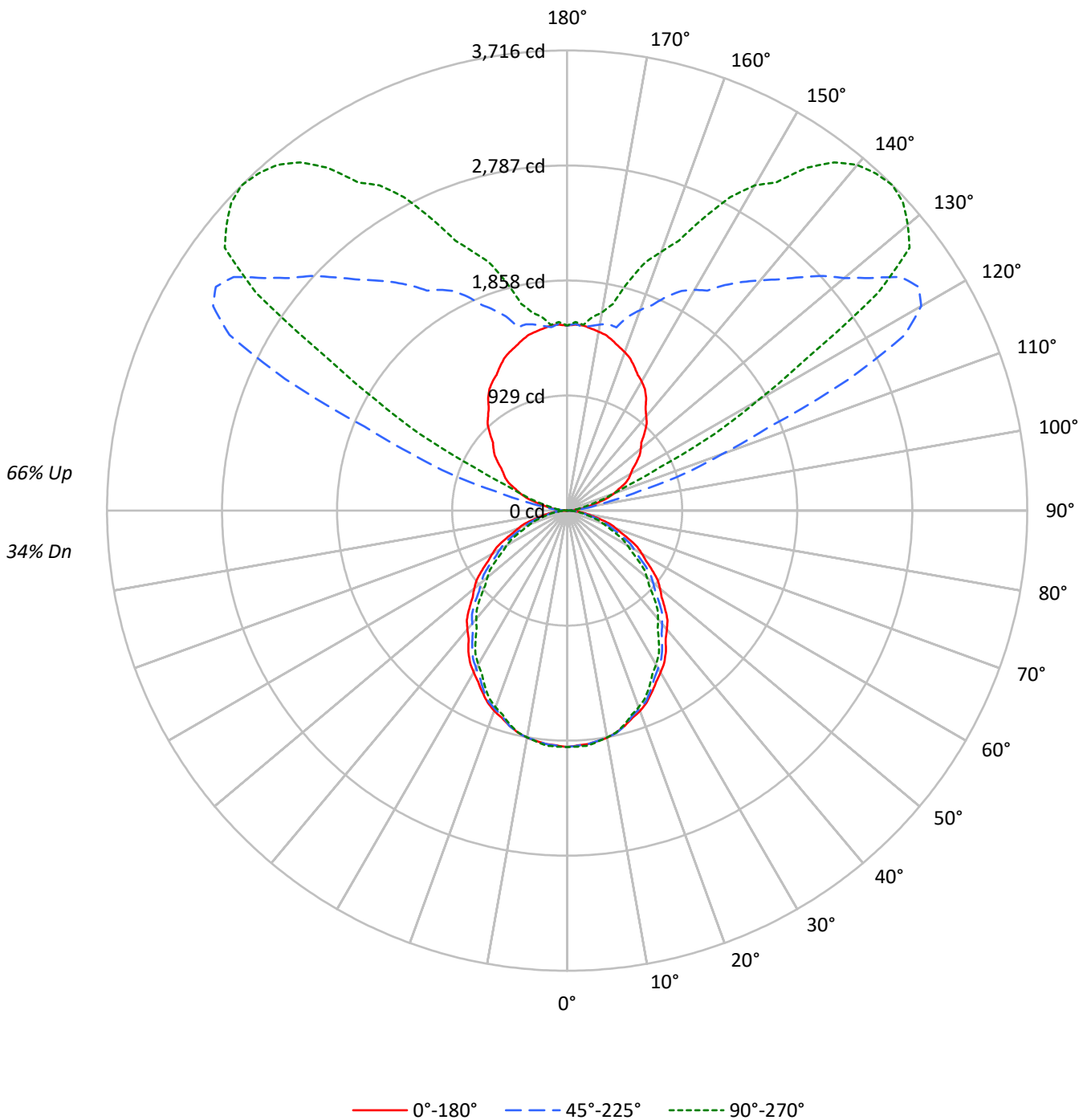
Lumens per Lamp: N/A
Luminaire Lumens: 13351.5 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

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

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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°	10799	10799	10799
5°	10748	10756	10818
10°	10701	10685	10685
15°	10537	10537	10474
20°	10366	10260	10170
25°	10105	9977	9800
30°	9857	9601	9370
35°	9598	9241	8914
40°	9251	8811	8431
45°	8938	8428	7908
50°	8615	7971	7398
55°	8264	7529	6913
60°	7885	7072	6366
65°	7441	6551	5790
70°	6929	5943	5157
75°	6282	5215	4592
80°	5477	4372	4063
85°	4226	3693	3693

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°	180.1	1.3
10°-20°	506.0	3.8
20°-30°	735.2	5.5
30°-40°	835.8	6.3
40°-50°	811.4	6.1
50°-60°	685.1	5.1
60°-70°	487.4	3.7
70°-80°	260.4	2.0
80°-90°	68.8	0.5
90°-100°	101.0	0.8
100°-110°	529.1	4.0
110°-120°	1331.8	10.0
120°-130°	2054.6	15.4
130°-140°	1880.9	14.1
140°-150°	1388.1	10.4
150°-160°	884.9	6.6
160°-170°	465.8	3.5
170°-180°	145.0	1.1
0°-30°	1421.3	10.6
0°-40°	2257.1	16.9
0°-60°	3753.6	28.1
0°-90°	4570.2	34.2
90°-120°	1961.9	14.7
90°-150°	7285.5	54.6
90°-180°	8781.0	65.8
0°-180°	13351.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1909	1909	1909	1909	1909	
5°	1893	1916	1894	1892	1905	180
15°	1799	1815	1799	1788	1788	507
25°	1619	1624	1598	1577	1570	746
35°	1390	1376	1338	1299	1291	866
45°	1117	1100	1053	1003	988	862
55°	838	815	763	714	701	749
65°	556	536	489	446	432	551
75°	287	272	239	214	210	306
85°	65	60	57	57	57	77
90°	0	0	0	0	0	5
95°	53	149	59	33	33	67
105°	270	836	605	249	204	288
115°	513	1047	2512	1092	829	500
125°	684	1057	3288	3316	3065	612
135°	881	1177	2664	3632	3716	681
145°	1112	1285	2223	3091	3380	691
155°	1282	1379	1907	2360	2604	591
165°	1421	1459	1532	1792	1914	400
175°	1500	1532	1486	1493	1506	142
180°	1493	1493	1493	1493	1493	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1908.9	1908.9	1908.9	1908.9	1908.9
2.5°	1899.2	1918.2	1901.3	1903.6	1907.8
5°	1892.6	1916.5	1894.0	1891.6	1904.9
7.5°	1878.0	1899.7	1876.4	1871.0	1882.9
10°	1862.8	1886.7	1860.1	1853.5	1860.1
12.5°	1835.7	1860.6	1839.5	1828.5	1834.1
15°	1799.1	1815.0	1799.1	1788.3	1788.3
17.5°	1754.4	1771.1	1741.1	1733.4	1730.5
20°	1721.8	1736.4	1704.2	1693.3	1689.3
22.5°	1678.4	1692.0	1665.2	1646.6	1641.6
25°	1618.8	1624.1	1598.4	1576.6	1570.0
27.5°	1558.9	1560.2	1525.0	1498.5	1489.7
30°	1509.0	1510.3	1469.7	1441.0	1434.4
32.5°	1459.1	1455.1	1416.5	1382.5	1378.0
35°	1389.7	1376.4	1338.1	1298.6	1290.7
37.5°	1305.9	1297.9	1252.7	1213.1	1201.2
40°	1252.7	1239.5	1193.1	1153.5	1141.6
42.5°	1199.6	1184.2	1136.7	1092.7	1079.7
45°	1117.2	1099.9	1053.4	1002.9	988.4
47.5°	1034.2	1015.4	964.2	915.3	899.1
50°	978.9	959.0	905.7	857.8	840.6
52.5°	922.5	901.5	848.2	799.3	785.3
55°	837.9	815.3	763.3	714.2	700.9
57.5°	753.3	731.0	679.2	632.8	616.9
60°	696.9	675.7	625.0	578.6	562.6
62.5°	639.4	619.2	569.7	524.3	509.5
65°	555.9	536.0	489.4	445.7	432.5
67.5°	473.2	456.2	410.3	370.2	359.5
70°	418.9	403.0	359.3	322.4	311.8
72.5°	366.9	349.9	308.3	276.9	269.5
75°	287.4	271.5	238.6	214.1	210.1
77.5°	214.8	201.8	173.3	159.4	157.3
80°	168.1	156.2	134.2	124.7	124.7
82.5°	124.7	114.9	100.6	96.5	96.5
85°	65.1	59.8	56.9	56.9	56.9
87.5°	19.5	19.5	18.4	17.4	17.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	15.8	36.4	10.5	5.4	10.5
95°	52.6	149.1	59.2	32.9	32.9
97.5°	109.2	333.0	152.6	81.4	73.7
100°	151.3	472.8	236.8	118.1	105.2
102.5°	198.6	612.8	357.8	160.0	136.8
105°	269.7	835.6	605.1	248.9	203.9
107.5°	348.6	987.8	997.1	383.7	309.1
110°	401.2	1050.7	1328.5	503.8	388.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	448.5	1067.2	1770.5	687.0	530.1
115°	513.0	1046.8	2512.4	1092.4	828.7
117.5°	560.4	996.4	3075.4	1737.8	1340.4
120°	591.9	997.1	3301.6	2226.1	1782.3
122.5°	628.8	1003.0	3364.8	2710.9	2303.2
125°	684.0	1057.0	3288.5	3315.6	3064.8
127.5°	739.2	1096.8	3083.3	3564.2	3485.8
130°	776.1	1123.3	2920.2	3648.9	3591.0
132.5°	812.9	1149.9	2804.4	3650.9	3680.4
135°	881.3	1177.1	2663.7	3632.4	3716.0
137.5°	951.0	1210.8	2532.1	3517.3	3691.0
140°	993.1	1237.5	2426.9	3392.8	3643.6
142.5°	1040.5	1259.1	2326.9	3277.4	3543.6
145°	1111.5	1285.1	2223.0	3091.2	3380.5
147.5°	1166.7	1299.2	2105.9	2903.2	3142.5
150°	1203.6	1300.0	2058.6	2736.1	3032.0
152.5°	1235.1	1326.5	2000.7	2583.0	2853.1
155°	1282.5	1379.0	1907.3	2360.1	2604.5
157.5°	1329.9	1422.5	1796.8	2193.9	2359.8
160°	1361.4	1438.6	1723.2	2113.7	2223.0
162.5°	1387.7	1454.6	1644.2	1977.2	2102.0
165°	1420.6	1459.2	1532.4	1791.7	1913.9
167.5°	1450.9	1470.2	1541.6	1609.6	1708.7
170°	1466.7	1485.9	1525.8	1592.3	1624.5
172.5°	1482.4	1512.0	1504.8	1550.1	1577.1
175°	1499.5	1531.7	1486.4	1493.3	1506.1
177.5°	1503.5	1518.9	1508.7	1509.1	1524.5
180°	1493.0	1493.0	1493.0	1493.0	1493.0



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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	16.66	18.17
	12H	16.60	17.12	17.72	18.22	19.75	15.08	15.60	16.20	16.70	18.23
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	18.06	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	17.97	19.57