

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: P1439448

Luminaire Tested: CB3-B-085U-055D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439448
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-940-1D-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

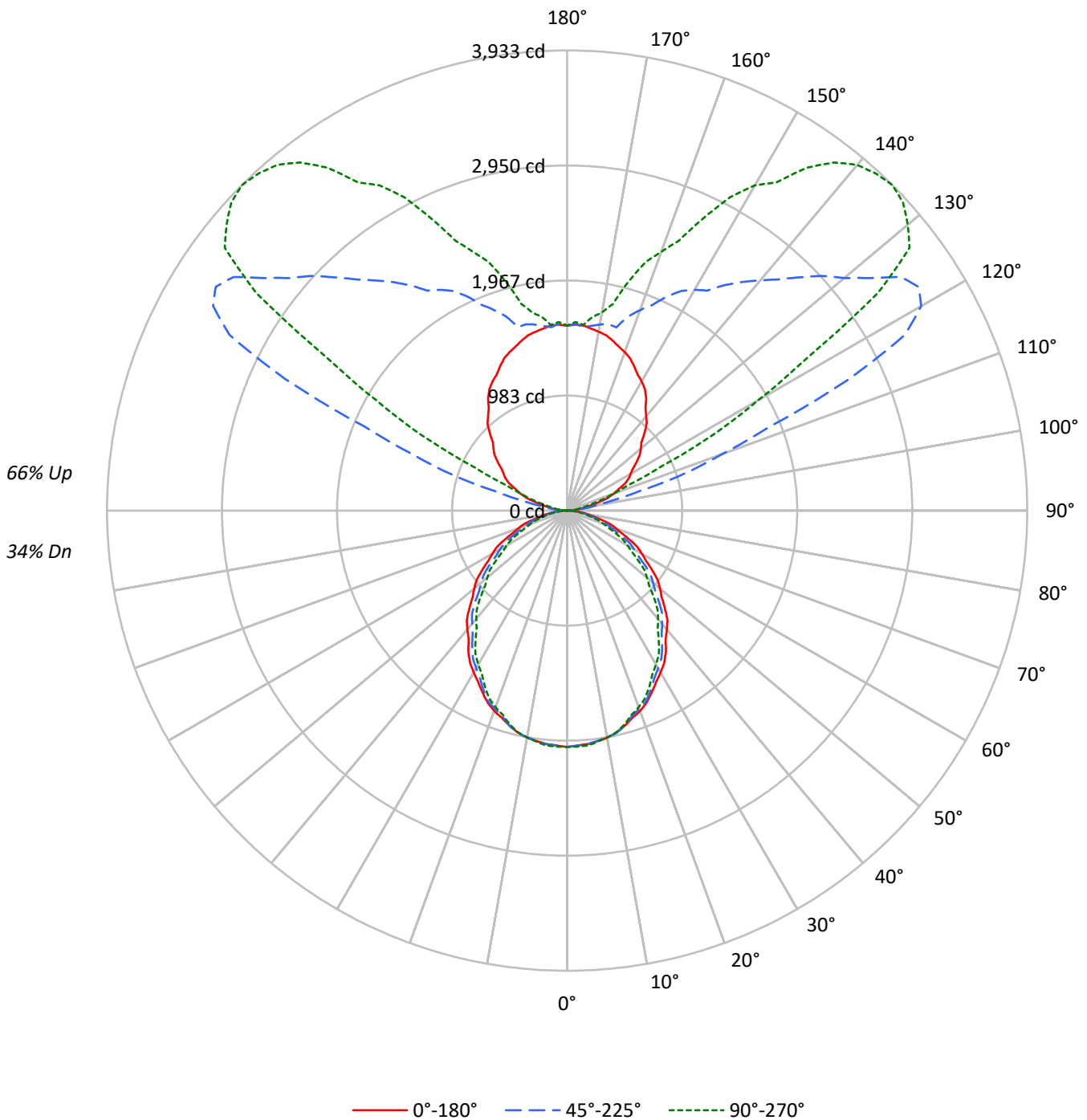
Lumens per Lamp: N/A
Luminaire Lumens: 14130.2 lumens
Efficiency: N/A
Efficacy: 158.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

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°	11429	11429	11429
5°	11375	11383	11449
10°	11325	11309	11309
15°	11151	11151	11085
20°	10971	10858	10763
25°	10694	10560	10372
30°	10432	10161	9917
35°	10157	9781	9434
40°	9791	9325	8922
45°	9459	8920	8369
50°	9118	8436	7830
55°	8746	7967	7317
60°	8344	7485	6738
65°	7875	6934	6127
70°	7334	6289	5458
75°	6649	5519	4861
80°	5796	4626	4300
85°	4472	3914	3914

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9459 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.6	1.3
10°-20°	535.5	3.8
20°-30°	778.0	5.5
30°-40°	884.6	6.3
40°-50°	858.7	6.1
50°-60°	725.0	5.1
60°-70°	515.8	3.7
70°-80°	275.6	2.0
80°-90°	72.8	0.5
90°-100°	106.8	0.8
100°-110°	559.9	4.0
110°-120°	1409.5	10.0
120°-130°	2174.4	15.4
130°-140°	1990.6	14.1
140°-150°	1469.1	10.4
150°-160°	936.5	6.6
160°-170°	493.0	3.5
170°-180°	153.5	1.1
0°-30°	1504.2	10.6
0°-40°	2388.8	16.9
0°-60°	3972.5	28.1
0°-90°	4836.8	34.2
90°-120°	2076.3	14.7
90°-150°	7710.4	54.6
90°-180°	9293.0	65.8
0°-180°	14130.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2020	2020	2020	2020	2020	
5°	2003	2028	2004	2002	2016	190
15°	1904	1921	1904	1893	1893	536
25°	1713	1719	1692	1669	1662	789
35°	1471	1457	1416	1374	1366	916
45°	1182	1164	1115	1061	1046	912
55°	887	863	808	756	742	793
65°	588	567	518	472	458	583
75°	304	287	252	227	222	324
85°	69	63	60	60	60	82
90°	0	0	0	0	0	5
95°	56	158	63	35	35	71
105°	285	884	640	263	216	305
115°	543	1108	2659	1156	877	529
125°	724	1119	3480	3509	3244	648
135°	933	1246	2819	3844	3933	721
145°	1176	1360	2353	3272	3578	731
155°	1357	1459	2019	2498	2756	626
165°	1504	1544	1622	1896	2026	424
175°	1587	1621	1573	1580	1594	150
180°	1580	1580	1580	1580	1580	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2020.3	2020.3	2020.3	2020.3	2020.3
2.5°	2009.9	2030.1	2012.2	2014.6	2019.1
5°	2003.0	2028.3	2004.5	2001.9	2016.0
7.5°	1987.6	2010.6	1985.8	1980.1	1992.7
10°	1971.5	1996.7	1968.6	1961.6	1968.6
12.5°	1942.8	1969.2	1946.8	1935.2	1941.1
15°	1904.0	1920.9	1904.0	1892.6	1892.6
17.5°	1856.7	1874.4	1842.6	1834.5	1831.4
20°	1822.3	1837.7	1803.6	1792.0	1787.8
22.5°	1776.3	1790.7	1762.3	1742.6	1737.3
25°	1713.2	1718.8	1691.7	1668.6	1661.6
27.5°	1649.8	1651.2	1613.9	1585.9	1576.6
30°	1597.0	1598.4	1555.4	1525.1	1518.1
32.5°	1544.2	1540.0	1499.1	1463.1	1458.4
35°	1470.7	1456.7	1416.2	1374.4	1366.0
37.5°	1382.0	1373.6	1325.8	1283.9	1271.3
40°	1325.8	1311.8	1262.7	1220.8	1208.1
42.5°	1269.6	1253.3	1203.0	1156.5	1142.7
45°	1182.3	1164.1	1114.9	1061.4	1046.0
47.5°	1094.5	1074.6	1020.5	968.7	951.6
50°	1036.0	1014.9	958.5	907.8	889.6
52.5°	976.3	954.1	897.6	845.9	831.1
55°	886.7	862.9	807.8	755.8	741.8
57.5°	797.2	773.6	718.9	669.7	652.9
60°	737.5	715.1	661.5	612.3	595.5
62.5°	676.7	655.3	602.9	554.9	539.2
65°	588.3	567.2	518.0	471.7	457.7
67.5°	500.8	482.8	434.2	391.7	380.5
70°	443.4	426.5	380.2	341.2	330.0
72.5°	388.3	370.3	326.3	293.1	285.2
75°	304.2	287.4	252.5	226.6	222.4
77.5°	227.3	213.5	183.4	168.7	166.4
80°	177.9	165.3	142.0	132.0	132.0
82.5°	132.0	121.6	106.5	102.2	102.2
85°	68.9	63.3	60.3	60.3	60.3
87.5°	20.7	20.7	19.5	18.4	18.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	16.7	38.5	11.1	5.7	11.1
95°	55.7	157.8	62.6	34.8	34.8
97.5°	115.5	352.4	161.5	86.1	78.0
100°	160.1	500.4	250.6	125.0	111.4
102.5°	210.2	648.5	378.7	169.3	144.8
105°	285.4	884.3	640.4	263.4	215.8
107.5°	368.9	1045.4	1055.2	406.1	327.1
110°	424.6	1112.0	1406.0	533.2	410.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	474.7	1129.4	1873.8	727.1	561.0
115°	542.9	1107.8	2658.9	1156.1	877.0
117.5°	593.0	1054.5	3254.8	1839.2	1418.6
120°	626.4	1055.2	3494.2	2355.9	1886.3
122.5°	665.4	1061.5	3561.0	2869.1	2437.6
125°	723.9	1118.6	3480.3	3509.0	3243.6
127.5°	782.4	1160.8	3263.1	3772.1	3689.1
130°	821.3	1188.9	3090.5	3861.7	3800.5
132.5°	860.3	1217.0	2968.0	3863.8	3895.1
135°	932.7	1245.8	2819.0	3844.2	3932.7
137.5°	1006.5	1281.5	2679.8	3722.5	3906.3
140°	1051.0	1309.7	2568.4	3590.7	3856.1
142.5°	1101.2	1332.6	2462.6	3468.6	3750.3
145°	1176.3	1360.1	2352.7	3271.5	3577.7
147.5°	1234.8	1375.0	2228.8	3072.6	3325.8
150°	1273.8	1375.9	2178.7	2895.7	3208.8
152.5°	1307.2	1403.8	2117.4	2733.6	3019.5
155°	1357.3	1459.4	2018.6	2497.8	2756.4
157.5°	1407.4	1505.4	1901.6	2321.9	2497.4
160°	1440.8	1522.5	1823.7	2237.0	2352.7
162.5°	1468.7	1539.5	1740.1	2092.6	2224.6
165°	1503.5	1544.3	1621.8	1896.2	2025.5
167.5°	1535.5	1555.9	1631.6	1703.5	1808.4
170°	1552.2	1572.6	1614.8	1685.2	1719.3
172.5°	1568.9	1600.2	1592.6	1640.6	1669.1
175°	1587.0	1621.0	1573.1	1580.4	1594.0
177.5°	1591.2	1607.5	1596.7	1597.1	1613.5
180°	1580.0	1580.0	1580.0	1580.0	1580.0

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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	13.94	14.67	15.03	15.75	17.23	12.87	13.59	13.95	14.68	16.16
	3H	15.60	16.25	16.69	17.34	18.84	14.27	14.92	15.36	16.01	17.51
	4H	16.22	16.84	17.33	17.93	19.44	14.78	15.40	15.88	16.49	17.99
	6H	16.60	17.17	17.71	18.27	19.78	15.09	15.66	16.20	16.75	18.27
	8H	16.74	17.28	17.85	18.39	19.90	15.21	15.75	16.33	16.86	18.37
	12H	16.80	17.31	17.92	18.42	19.95	15.28	15.79	16.40	16.90	18.43
4H	2H	14.33	14.95	15.45	16.05	17.55	13.48	14.10	14.59	15.19	16.69
	3H	16.21	16.73	17.33	17.85	19.36	15.08	15.60	16.20	16.72	18.23
	4H	16.96	17.43	18.08	18.54	20.07	15.68	16.16	16.80	17.27	18.80
	6H	17.45	17.86	18.58	18.99	20.52	16.09	16.49	17.22	17.63	19.15
	8H	17.64	18.02	18.77	19.14	20.69	16.26	16.63	17.38	17.76	19.30
	12H	17.73	18.07	18.87	19.21	20.76	16.36	16.70	17.50	17.83	19.38
8H	4H	17.07	17.45	18.20	18.58	20.12	15.94	16.31	17.06	17.44	18.98
	6H	17.69	18.00	18.84	19.17	20.71	16.46	16.77	17.61	17.94	19.48
	8H	17.96	18.24	19.12	19.38	20.94	16.71	16.98	17.86	18.13	19.69
	12H	18.12	18.36	19.28	19.50	21.10	16.88	17.12	18.04	18.26	19.86
12H	4H	17.04	17.38	18.19	18.52	20.07	15.93	16.27	17.08	17.41	18.96
	6H	17.70	17.98	18.86	19.12	20.68	16.51	16.79	17.67	17.93	19.50
	8H	18.00	18.24	19.16	19.38	20.98	16.79	17.03	17.95	18.17	19.77