

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: P1438926

Luminaire Tested: CB2-B-085U-055D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438926
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2405-119-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-B-085U-055D-935-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

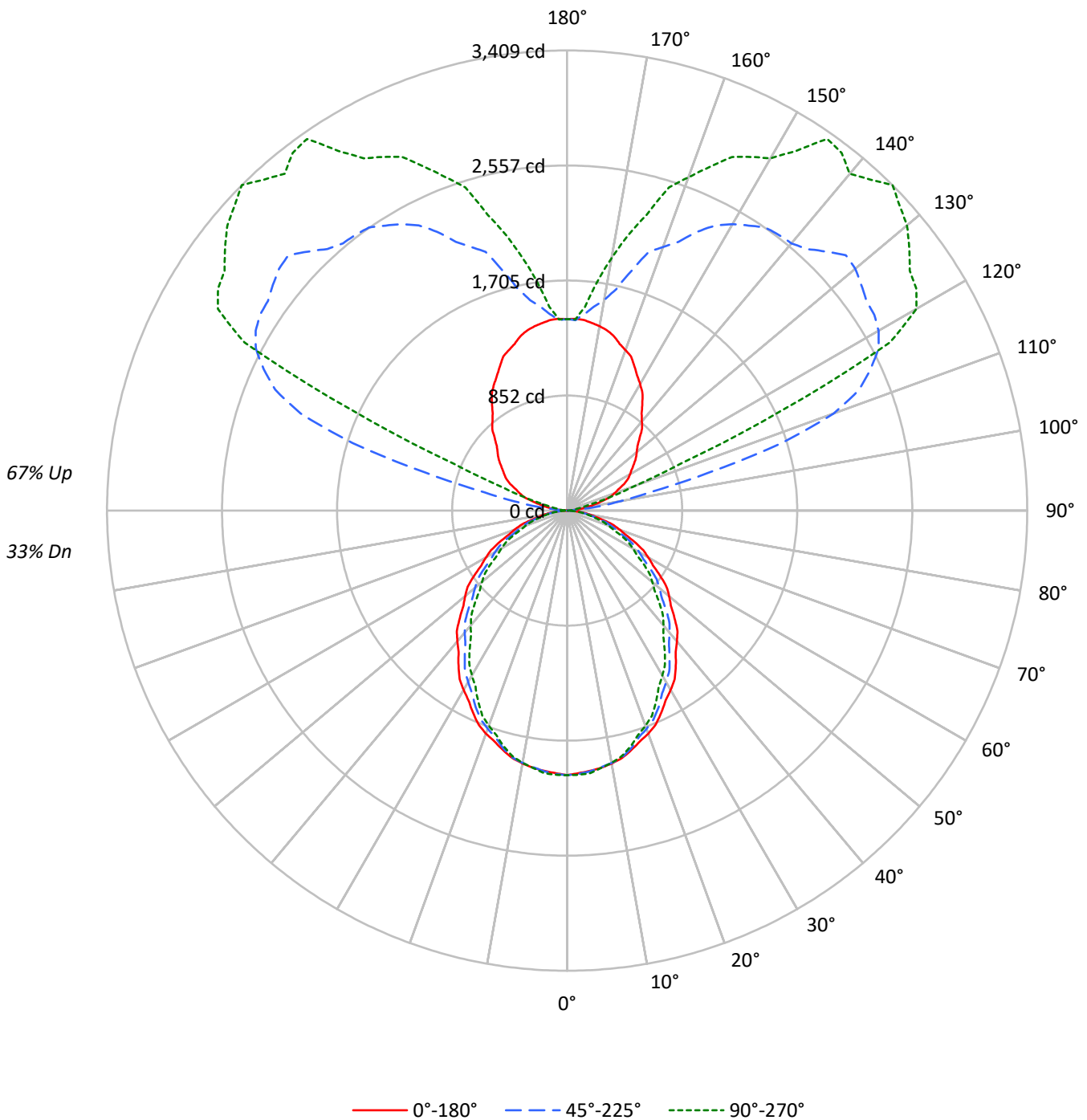
Lumens per Lamp: N/A
Luminaire Lumens: 13884.5 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 94.3
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				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	0
RCR																					
0	103	103	103	103	93	93	93	93	74	74	74	56	56	56	40	40	40	33			33
1	94	90	86	83	85	81	78	75	65	63	61	50	48	47	36	35	34	28			28
2	86	79	73	68	77	71	66	62	57	53	50	44	42	39	32	30	29	24			24
3	78	69	62	57	70	63	57	52	50	46	42	39	36	34	28	26	25	20			20
4	72	61	54	48	64	55	49	44	45	40	36	35	31	29	25	23	22	17			17
5	66	54	47	41	59	49	43	38	40	35	31	31	28	25	23	21	19	15			15
6	60	49	41	35	54	44	38	33	36	31	27	28	25	22	21	18	17	13			13
7	56	44	36	31	50	40	33	29	33	28	24	26	22	19	19	17	15	12			12
8	52	40	32	27	47	36	30	25	30	25	21	23	20	17	17	15	13	11			11
9	48	36	29	24	43	33	27	22	27	22	19	21	18	15	16	14	12	10			10
10	45	33	26	22	40	30	24	20	25	20	17	20	16	14	15	13	11	9			9

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17069	17069	17069
5°	16924	16951	17069
10°	16828	16788	16775
15°	16562	16454	16318
20°	16301	15939	15717
25°	15863	15416	14983
30°	15424	14745	14186
35°	14918	14057	13387
40°	14383	13410	12626
45°	13844	12735	11885
50°	13359	12078	11162
55°	12760	11393	10482
60°	12077	10743	9802
65°	11350	10021	9122
70°	10547	9210	8255
75°	9593	8331	7473
80°	8581	7302	6775
85°	6595	5995	4946

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13844 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.3	1.3
10°-20°	513.8	3.7
20°-30°	738.8	5.3
30°-40°	830.3	6.0
40°-50°	802.1	5.8
50°-60°	677.7	4.9
60°-70°	486.8	3.5
70°-80°	266.1	1.9
80°-90°	70.7	0.5
90°-100°	106.2	0.8
100°-110°	657.7	4.7
110°-120°	1658.6	11.9
120°-130°	1993.9	14.4
130°-140°	1807.8	13.0
140°-150°	1441.6	10.4
150°-160°	983.3	7.1
160°-170°	520.1	3.7
170°-180°	144.7	1.0
0°-30°	1436.9	10.3
0°-40°	2267.2	16.3
0°-60°	3747.0	27.0
0°-90°	4570.5	32.9
90°-120°	2422.6	17.4
90°-150°	7665.8	55.2
90°-180°	9314.0	67.1
0°-180°	13884.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1960	1960	1960	1960	1960	
5°	1936	1962	1939	1939	1952	184
15°	1837	1853	1825	1807	1810	518
25°	1651	1652	1604	1568	1559	760
35°	1403	1387	1322	1271	1259	877
45°	1124	1101	1034	980	965	868
55°	840	810	750	704	690	751
65°	551	530	486	452	443	546
75°	285	268	248	228	222	305
85°	66	62	60	52	50	79
90°	0	0	0	0	0	5
95°	55	139	43	30	30	70
105°	269	753	1088	273	183	282
115°	464	1026	2481	2309	1760	455
125°	605	1244	2707	3080	3098	541
135°	758	1379	2713	3176	3409	589
145°	972	1449	2560	3086	3360	607
155°	1179	1478	2279	2747	2890	543
165°	1338	1464	1839	2165	2267	375
175°	1418	1435	1460	1485	1515	134
180°	1418	1418	1418	1418	1418	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1960.0	1960.0	1960.0	1960.0	1960.0
2.5°	1946.8	1970.3	1952.8	1955.3	1958.8
5°	1936.0	1962.4	1939.0	1939.3	1952.5
7.5°	1922.2	1947.1	1917.7	1912.3	1924.6
10°	1903.0	1927.9	1898.5	1888.2	1897.0
12.5°	1877.8	1901.6	1873.3	1856.9	1864.6
15°	1837.0	1853.1	1825.0	1807.0	1809.9
17.5°	1792.5	1802.5	1761.9	1746.8	1743.9
20°	1758.9	1767.7	1719.9	1698.8	1695.9
22.5°	1715.7	1723.3	1673.1	1647.2	1643.1
25°	1650.9	1652.3	1604.3	1568.1	1559.3
27.5°	1583.0	1578.3	1525.1	1482.2	1470.8
30°	1533.8	1527.9	1466.3	1421.0	1410.7
32.5°	1481.0	1470.4	1408.6	1359.8	1349.5
35°	1403.2	1387.1	1322.2	1270.9	1259.2
37.5°	1320.4	1302.2	1238.4	1182.6	1169.4
40°	1265.2	1244.6	1179.6	1123.8	1110.6
42.5°	1209.9	1187.0	1120.8	1064.9	1050.5
45°	1124.1	1100.6	1034.0	979.7	965.0
47.5°	1042.4	1012.5	947.9	893.8	879.2
50°	986.0	953.7	891.5	838.6	823.9
52.5°	928.4	894.9	835.0	784.6	769.9
55°	840.4	809.6	750.4	703.6	690.4
57.5°	753.4	723.8	669.6	624.9	612.0
60°	693.4	668.4	616.8	574.5	562.8
62.5°	635.7	613.1	564.0	525.3	513.6
65°	550.8	530.2	486.3	451.5	442.7
67.5°	468.2	447.7	412.1	381.0	371.0
70°	414.2	393.7	361.7	333.0	324.2
72.5°	362.6	340.9	314.9	288.6	282.1
75°	285.1	267.5	247.6	228.0	222.1
77.5°	216.7	199.7	185.2	171.4	169.9
80°	171.1	156.4	145.6	136.5	135.1
82.5°	127.9	116.7	109.6	102.9	102.7
85°	66.0	61.6	60.0	52.5	49.5
87.5°	19.2	19.2	16.8	14.4	14.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	14.7	24.2	9.8	9.8	9.8
95°	55.0	138.6	42.8	30.5	30.5
97.5°	114.9	332.3	231.0	62.1	53.8
100°	158.9	481.5	397.1	91.2	73.3
102.5°	202.8	611.5	626.9	144.7	112.4
105°	268.8	752.7	1087.6	272.9	183.3
107.5°	333.6	845.0	1666.8	563.1	339.7
110°	372.7	898.4	2101.8	877.9	525.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	411.8	951.9	2341.3	1407.3	906.7
115°	464.3	1025.9	2480.6	2309.2	1759.6
117.5°	508.3	1093.8	2600.3	2855.7	2694.4
120°	537.7	1147.0	2663.9	2933.9	2987.7
122.5°	567.0	1185.9	2698.1	2964.4	3065.9
125°	604.9	1244.1	2706.7	3079.8	3097.7
127.5°	642.8	1288.0	2747.0	3185.9	3194.2
130°	672.1	1317.3	2786.1	3221.4	3287.1
132.5°	706.3	1341.9	2800.8	3241.7	3340.9
135°	757.6	1378.9	2712.8	3176.3	3409.3
137.5°	822.4	1405.5	2628.5	3174.4	3325.0
140°	861.5	1411.1	2584.5	3244.6	3256.5
142.5°	905.5	1426.4	2574.7	3236.9	3339.6
145°	971.5	1449.4	2560.0	3085.6	3360.4
147.5°	1037.5	1464.0	2503.8	2918.6	3158.8
150°	1081.4	1469.8	2450.0	2862.8	3012.2
152.5°	1125.4	1475.5	2381.6	2828.0	2953.5
155°	1179.2	1477.9	2279.0	2746.6	2890.0
157.5°	1235.4	1470.8	2155.6	2597.8	2754.3
160°	1264.7	1461.9	2077.3	2489.8	2627.2
162.5°	1294.1	1457.8	2008.9	2348.6	2509.9
165°	1338.1	1463.5	1839.1	2165.2	2266.8
167.5°	1367.4	1458.2	1680.2	1947.4	2090.8
170°	1386.9	1458.6	1582.4	1780.7	1900.2
172.5°	1401.6	1435.1	1523.8	1628.3	1709.5
175°	1417.5	1435.4	1460.3	1485.4	1515.2
177.5°	1422.4	1431.9	1412.6	1407.9	1417.5
180°	1417.5	1417.5	1417.5	1417.5	1417.5



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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	15.02	15.74	16.12	16.83	18.33	13.92	14.64	15.02	15.73	17.23
	3H	16.66	17.30	17.76	18.40	19.92	15.44	16.09	16.54	17.18	18.70
	4H	17.28	17.89	18.39	18.99	20.51	16.01	16.62	17.12	17.72	19.24
	6H	17.68	18.24	18.80	19.34	20.87	16.37	16.94	17.49	18.04	19.57
	8H	17.82	18.36	18.94	19.47	21.00	16.51	17.04	17.63	18.16	19.69
	12H	17.89	18.40	19.02	19.51	21.06	16.57	17.07	17.70	18.19	19.73
4H	2H	15.42	16.03	16.54	17.13	18.65	14.54	15.15	15.66	16.25	17.77
	3H	17.27	17.78	18.40	18.91	20.44	16.26	16.77	17.39	17.90	19.43
	4H	18.01	18.48	19.14	19.60	21.15	16.93	17.40	18.06	18.52	20.07
	6H	18.52	18.93	19.66	20.06	21.61	17.40	17.80	18.54	18.94	20.48
	8H	18.73	19.10	19.86	20.23	21.79	17.59	17.96	18.72	19.09	20.65
	12H	18.83	19.16	19.98	20.31	21.87	17.67	18.01	18.82	19.15	20.71
8H	4H	18.16	18.53	19.29	19.66	21.22	17.19	17.57	18.33	18.70	20.26
	6H	18.79	19.10	19.95	20.28	21.83	17.79	18.10	18.95	19.27	20.83
	8H	19.08	19.35	20.25	20.51	22.08	18.07	18.34	19.23	19.49	21.07
	12H	19.25	19.49	20.42	20.64	22.25	18.21	18.45	19.38	19.60	21.21
12H	4H	18.13	18.47	19.28	19.61	21.18	17.19	17.53	18.34	18.67	20.24
	6H	18.82	19.09	19.98	20.24	21.82	17.85	18.12	19.02	19.28	20.85
	8H	19.13	19.37	20.30	20.52	22.13	18.15	18.39	19.32	19.54	21.15