

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: P1439236

Luminaire Tested: CB3-085U-055D-840-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439236
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-085U-055D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

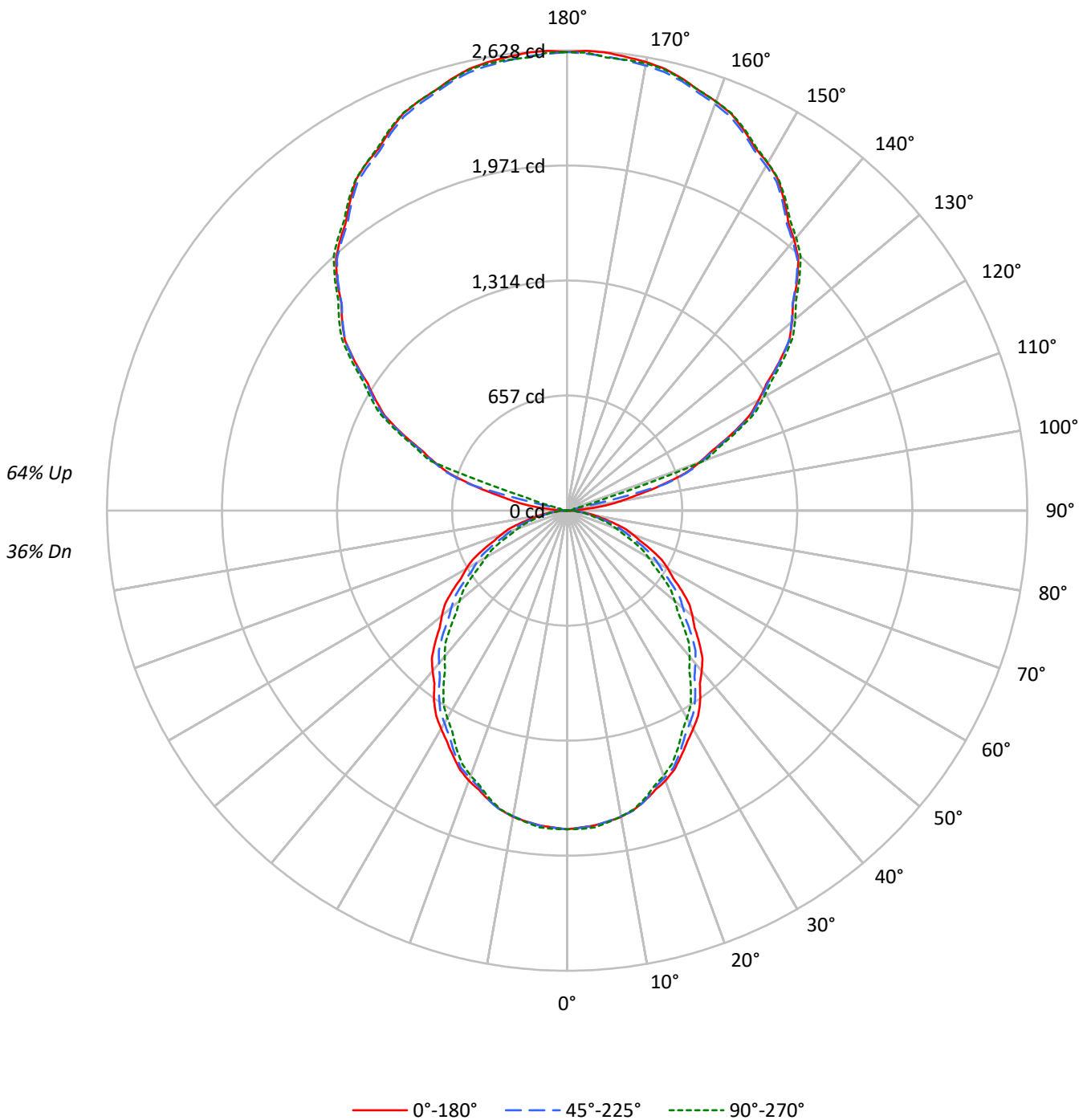
Lumens per Lamp: N/A
Luminaire Lumens: 12086.2 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

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				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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	43	43	43	36
1	95	91	87	83	86	82	79	76	66	64	62	52	50	49	38	38	37	31
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	33	31	26
3	79	70	63	57	71	63	57	52	51	47	44	40	37	35	30	28	27	22
4	72	62	54	48	65	56	50	44	46	41	37	36	33	30	27	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	32	29	26	24	22	20	17
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	19	16	14	12
9	49	37	29	24	44	34	27	23	28	23	19	22	19	16	17	15	13	11
10	45	34	27	22	41	31	25	20	26	21	17	21	17	15	16	13	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10298	10298	10298
5°	10249	10257	10315
10°	10204	10190	10190
15°	10048	10048	9987
20°	9885	9784	9698
25°	9635	9514	9345
30°	9400	9155	8935
35°	9152	8812	8500
40°	8822	8402	8039
45°	8523	8037	7541
50°	8215	7601	7055
55°	7881	7179	6593
60°	7519	6743	6070
65°	7096	6247	5521
70°	6608	5667	4918
75°	5991	4973	4380
80°	5222	4170	3874
85°	4031	3525	3525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8523 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.7	1.4
10°-20°	482.5	4.0
20°-30°	701.0	5.8
30°-40°	797.0	6.6
40°-50°	773.7	6.4
50°-60°	653.3	5.4
60°-70°	464.8	3.8
70°-80°	248.3	2.1
80°-90°	65.7	0.5
90°-100°	60.5	0.5
100°-110°	437.9	3.6
110°-120°	1041.2	8.6
120°-130°	1330.2	11.0
130°-140°	1434.8	11.9
140°-150°	1352.6	11.2
150°-160°	1103.4	9.1
160°-170°	718.9	5.9
170°-180°	248.5	2.1
0°-30°	1355.3	11.2
0°-40°	2152.3	17.8
0°-60°	3579.3	29.6
0°-90°	4358.1	36.1
90°-120°	1539.6	12.7
90°-150°	5657.2	46.8
90°-180°	7728.0	63.9
0°-180°	12086.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1820	1820	1820	1820	1820	
5°	1805	1828	1806	1804	1816	171
15°	1716	1731	1716	1705	1705	483
25°	1544	1549	1524	1503	1497	711
35°	1325	1312	1276	1238	1231	826
45°	1065	1049	1004	956	942	822
55°	799	778	728	681	668	714
65°	530	511	467	425	412	525
75°	274	259	228	204	200	292
85°	62	57	54	54	54	74
90°	0	0	0	2	0	7
95°	110	20	26	28	28	136
105°	554	562	570	42	43	585
115°	1040	1048	1050	1066	1072	1026
125°	1478	1488	1484	1500	1510	1319
135°	1857	1867	1851	1865	1877	1430
145°	2161	2174	2147	2161	2173	1352
155°	2394	2413	2380	2386	2402	1104
165°	2552	2565	2538	2530	2548	720
175°	2624	2638	2603	2589	2597	250
180°	2619	2619	2619	2619	2619	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1820.3	1820.3	1820.3	1820.3	1820.3
2.5°	1811.0	1829.2	1813.1	1815.2	1819.3
5°	1804.8	1827.5	1806.1	1803.8	1816.4
7.5°	1790.8	1811.6	1789.3	1784.1	1795.5
10°	1776.3	1799.1	1773.8	1767.4	1773.8
12.5°	1750.5	1774.2	1754.1	1743.6	1748.9
15°	1715.6	1730.7	1715.6	1705.2	1705.2
17.5°	1672.9	1688.8	1660.2	1652.9	1650.2
20°	1641.9	1655.8	1625.1	1614.7	1610.9
22.5°	1600.5	1613.4	1587.8	1570.2	1565.4
25°	1543.6	1548.7	1524.2	1503.4	1497.1
27.5°	1486.5	1487.8	1454.2	1428.9	1420.6
30°	1438.9	1440.2	1401.4	1374.1	1367.8
32.5°	1391.3	1387.5	1350.7	1318.3	1314.0
35°	1325.1	1312.5	1276.0	1238.4	1230.8
37.5°	1245.2	1237.7	1194.6	1156.8	1145.4
40°	1194.6	1181.9	1137.7	1099.9	1088.6
42.5°	1143.9	1129.2	1083.9	1042.0	1029.6
45°	1065.3	1048.9	1004.5	956.4	942.5
47.5°	986.2	968.2	919.5	872.8	857.4
50°	933.4	914.5	863.6	818.0	801.6
52.5°	879.6	859.7	808.8	762.2	748.8
55°	799.0	777.5	727.9	681.0	668.4
57.5°	718.3	697.1	647.7	603.4	588.2
60°	664.5	644.3	596.0	551.7	536.5
62.5°	609.7	590.5	543.2	500.0	485.8
65°	530.1	511.1	466.7	425.1	412.4
67.5°	451.2	435.0	391.2	353.0	342.9
70°	399.5	384.3	342.6	307.5	297.3
72.5°	349.8	333.7	294.0	264.1	257.0
75°	274.1	258.9	227.5	204.2	200.4
77.5°	204.8	192.4	165.2	152.0	150.0
80°	160.3	148.9	128.0	118.9	118.9
82.5°	118.9	109.6	95.9	92.0	92.0
85°	62.1	57.0	54.3	54.3	54.3
87.5°	18.6	18.6	17.6	16.9	16.5
90°	0.0	0.0	0.0	1.9	0.0
92.5°	30.0	11.5	9.5	11.4	11.1
95°	110.5	19.8	25.7	27.6	27.6
97.5°	222.6	218.3	30.0	35.9	36.3
100°	307.8	317.5	31.6	37.5	39.5
102.5°	402.6	410.7	58.4	39.1	41.0
105°	554.5	562.2	570.3	41.5	43.4
107.5°	705.7	711.5	716.7	645.2	241.5
110°	805.1	810.9	813.0	832.8	836.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	898.3	905.6	909.3	926.0	933.0
115°	1039.9	1047.7	1049.8	1065.7	1071.5
117.5°	1174.5	1182.6	1186.4	1199.2	1208.5
120°	1262.9	1272.6	1274.8	1290.7	1298.5
122.5°	1349.8	1361.0	1360.0	1374.5	1385.3
125°	1478.0	1487.7	1484.0	1500.0	1509.6
127.5°	1600.0	1605.8	1597.6	1617.1	1625.2
130°	1677.3	1683.1	1673.4	1691.4	1701.0
132.5°	1748.4	1757.3	1746.0	1762.4	1772.1
135°	1856.9	1866.6	1851.0	1865.1	1876.6
137.5°	1953.6	1965.2	1946.5	1962.9	1972.9
140°	2016.8	2028.3	2004.9	2022.9	2034.5
142.5°	2075.2	2089.8	2061.7	2078.2	2091.3
145°	2160.8	2174.3	2147.0	2161.1	2172.6
147.5°	2242.1	2253.7	2227.5	2237.6	2245.7
150°	2291.0	2302.6	2273.3	2283.4	2293.0
152.5°	2330.5	2346.7	2317.5	2324.5	2338.8
155°	2393.7	2413.0	2379.8	2386.1	2401.6
157.5°	2451.7	2469.0	2435.9	2441.3	2454.8
160°	2486.4	2503.8	2470.6	2472.9	2486.4
162.5°	2513.2	2529.1	2500.6	2496.6	2513.2
165°	2551.5	2565.0	2537.7	2530.2	2547.6
167.5°	2583.5	2598.9	2565.3	2559.1	2578.8
170°	2600.9	2616.3	2581.1	2571.7	2593.0
172.5°	2611.9	2625.8	2592.2	2579.5	2596.1
175°	2624.5	2638.0	2602.8	2589.2	2596.9
177.5°	2628.1	2638.9	2610.7	2598.5	2617.0
180°	2618.6	2618.6	2618.6	2618.6	2618.6



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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	13.80	14.54	14.87	15.61	17.07	12.72	13.46	13.79	14.53	15.99
	3H	15.46	16.12	16.54	17.20	18.68	14.13	14.79	15.21	15.87	17.35
	4H	16.08	16.71	17.17	17.79	19.28	14.64	15.27	15.73	16.35	17.83
	6H	16.46	17.04	17.56	18.13	19.62	14.95	15.53	16.05	16.61	18.11
	8H	16.60	17.15	17.70	18.25	19.74	15.07	15.62	16.17	16.72	18.21
	12H	16.66	17.18	17.77	18.28	19.79	15.14	15.66	16.25	16.76	18.27
4H	2H	14.19	14.82	15.29	15.90	17.39	13.34	13.96	14.43	15.05	16.53
	3H	16.07	16.60	17.18	17.71	19.20	14.94	15.47	16.05	16.58	18.07
	4H	16.82	17.30	17.93	18.40	19.91	15.55	16.03	16.65	17.12	18.64
	6H	17.31	17.72	18.43	18.85	20.35	15.95	16.36	17.07	17.48	18.99
	8H	17.50	17.89	18.62	19.00	20.52	16.12	16.50	17.23	17.62	19.14
	12H	17.59	17.94	18.73	19.07	20.60	16.22	16.57	17.35	17.69	19.22
8H	4H	16.94	17.32	18.05	18.43	19.96	15.80	16.18	16.91	17.30	18.82
	6H	17.55	17.87	18.69	19.02	20.54	16.32	16.64	17.46	17.79	19.32
	8H	17.83	18.10	18.97	19.24	20.78	16.57	16.85	17.72	17.99	19.53
	12H	17.98	18.23	19.13	19.36	20.94	16.74	16.99	17.89	18.12	19.70
12H	4H	16.90	17.25	18.04	18.38	19.91	15.79	16.14	16.93	17.27	18.80
	6H	17.57	17.84	18.71	18.98	20.52	16.38	16.66	17.52	17.79	19.33
	8H	17.86	18.10	19.01	19.24	20.81	16.65	16.90	17.80	18.03	19.61