

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: P1439250

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439250
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-085D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

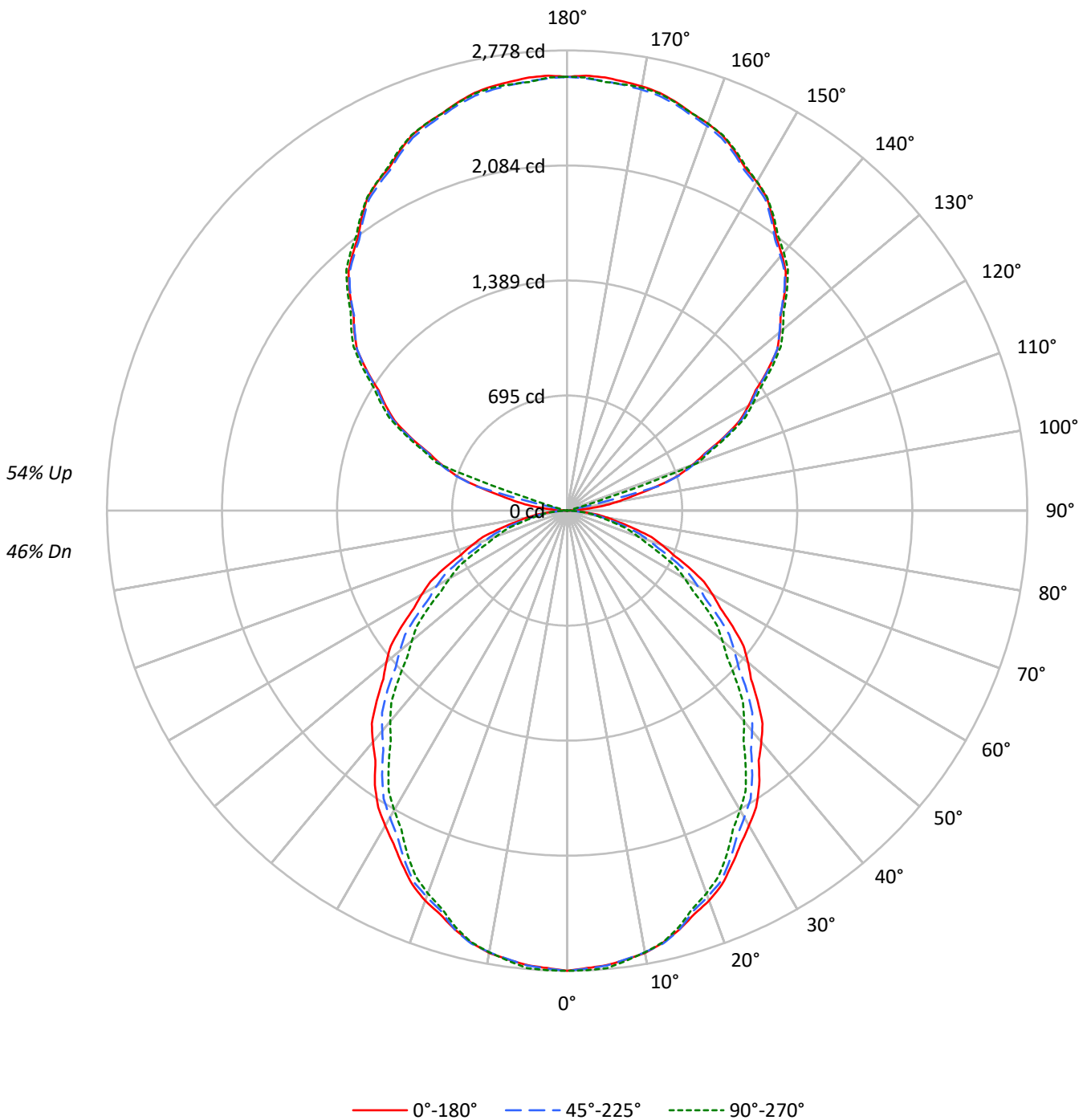
Lumens per Lamp: N/A
Luminaire Lumens: 14380.2 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 108.3
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	
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	106	106	106	106	98	98	98	98	81	81	81	66	66	66	53	53	53	46				
1	97	93	89	86	89	85	82	79	71	69	67	59	57	56	47	46	45	39				
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	41	40	38	33				
3	81	72	64	59	74	66	60	55	56	51	47	46	42	40	37	35	33	28				
4	74	63	56	50	68	59	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	25	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19				
7	58	46	38	32	53	43	36	31	36	31	27	30	26	23	25	22	19	17				
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	26	21	19	21	18	16	14				
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	20	17	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15719	15719	15719
5°	15644	15656	15745
10°	15576	15553	15553
15°	15337	15337	15244
20°	15088	14933	14803
25°	14708	14523	14264
30°	14347	13974	13638
35°	13969	13451	12974
40°	13466	12824	12271
45°	13009	12267	11510
50°	12539	11602	10768
55°	12028	10958	10062
60°	11476	10293	9266
65°	10831	9536	8427
70°	10087	8649	7508
75°	9143	7591	6686
80°	7972	6366	5913
85°	6147	5381	5381

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13009 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.2	1.8
10°-20°	736.5	5.1
20°-30°	1070.0	7.4
30°-40°	1216.6	8.5
40°-50°	1181.0	8.2
50°-60°	997.1	6.9
60°-70°	709.4	4.9
70°-80°	379.0	2.6
80°-90°	100.2	0.7
90°-100°	60.5	0.4
100°-110°	437.9	3.0
110°-120°	1041.2	7.2
120°-130°	1330.2	9.3
130°-140°	1434.8	10.0
140°-150°	1352.6	9.4
150°-160°	1103.4	7.7
160°-170°	718.9	5.0
170°-180°	248.5	1.7
0°-30°	2068.7	14.4
0°-40°	3285.3	22.8
0°-60°	5463.4	38.0
0°-90°	6652.1	46.3
90°-120°	1539.6	10.7
90°-150°	5657.2	39.3
90°-180°	7728.0	53.7
0°-180°	14380.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2778	2778	2778	2778	2778	
5°	2755	2790	2757	2753	2772	261
15°	2619	2642	2619	2603	2603	738
25°	2356	2364	2327	2295	2285	1086
35°	2023	2003	1948	1890	1879	1260
45°	1626	1601	1533	1460	1439	1254
55°	1220	1187	1111	1040	1020	1090
65°	809	780	712	649	630	801
75°	418	395	347	312	306	446
85°	95	87	83	83	83	112
90°	0	0	0	2	0	8
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°	2778.5	2778.5	2778.5	2778.5	2778.5
2.5°	2764.3	2792.0	2767.4	2770.7	2776.9
5°	2754.8	2789.5	2756.8	2753.2	2772.5
7.5°	2733.5	2765.1	2731.1	2723.2	2740.6
10°	2711.4	2746.1	2707.4	2697.8	2707.4
12.5°	2671.9	2708.2	2677.4	2661.4	2669.5
15°	2618.6	2641.8	2618.6	2602.8	2602.8
17.5°	2553.5	2577.8	2534.2	2523.0	2518.8
20°	2506.1	2527.4	2480.5	2464.6	2458.8
22.5°	2443.0	2462.7	2423.7	2396.6	2389.3
25°	2356.2	2363.9	2326.6	2294.8	2285.1
27.5°	2268.9	2270.9	2219.6	2181.0	2168.3
30°	2196.3	2198.3	2139.1	2097.4	2087.8
32.5°	2123.7	2117.9	2061.7	2012.3	2005.7
35°	2022.7	2003.4	1947.7	1890.2	1878.6
37.5°	1900.7	1889.1	1823.4	1765.7	1748.4
40°	1823.4	1804.1	1736.5	1678.9	1661.6
42.5°	1746.0	1723.6	1654.4	1590.5	1571.6
45°	1626.0	1600.9	1533.3	1459.8	1438.6
47.5°	1505.3	1477.9	1403.4	1332.3	1308.7
50°	1424.7	1395.8	1318.2	1248.6	1223.5
52.5°	1342.7	1312.2	1234.5	1163.4	1143.0
55°	1219.5	1186.7	1111.0	1039.5	1020.2
57.5°	1096.4	1064.0	988.6	921.0	897.9
60°	1014.3	983.4	909.7	842.1	818.9
62.5°	930.6	901.3	829.2	763.2	741.6
65°	809.1	780.1	712.4	648.8	629.5
67.5°	688.7	664.0	597.1	538.8	523.3
70°	609.8	586.6	522.9	469.3	453.9
72.5°	534.0	509.3	448.7	403.1	392.3
75°	418.3	395.2	347.3	311.7	305.9
77.5°	312.6	293.7	252.2	232.0	228.9
80°	244.7	227.3	195.4	181.5	181.5
82.5°	181.5	167.3	146.4	140.5	140.5
85°	94.7	87.0	82.9	82.9	82.9
87.5°	28.4	28.4	26.8	25.6	25.3
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	16.36	17.18	17.35	18.18	19.51	15.28	16.10	16.28	17.10	18.43
	3H	18.03	18.76	19.03	19.77	21.12	16.70	17.43	17.70	18.44	19.78
	4H	18.65	19.35	19.67	20.36	21.72	17.21	17.90	18.23	18.92	20.27
	6H	19.04	19.68	20.06	20.70	22.06	17.53	18.17	18.55	19.18	20.55
	8H	19.17	19.78	20.20	20.82	22.18	17.65	18.26	18.68	19.29	20.65
	12H	19.24	19.82	20.27	20.85	22.23	17.72	18.30	18.76	19.33	20.71
4H	2H	16.77	17.46	17.79	18.47	19.83	15.91	16.60	16.93	17.61	18.97
	3H	18.65	19.23	19.68	20.27	21.64	17.52	18.10	18.55	19.14	20.51
	4H	19.40	19.93	20.44	20.96	22.35	18.13	18.66	19.16	19.69	21.08
	6H	19.90	20.35	20.95	21.41	22.80	18.54	18.99	19.58	20.05	21.43
	8H	20.09	20.51	21.14	21.56	22.96	18.71	19.13	19.75	20.18	21.58
	12H	20.18	20.57	21.25	21.63	23.04	18.81	19.19	19.88	20.26	21.66
8H	4H	19.52	19.95	20.57	21.00	22.40	18.39	18.81	19.43	19.86	21.26
	6H	20.14	20.49	21.21	21.58	22.98	18.91	19.26	19.98	20.36	21.75
	8H	20.42	20.73	21.50	21.80	23.22	19.16	19.47	20.24	20.55	21.97
	12H	20.58	20.85	21.66	21.92	23.38	19.34	19.61	20.42	20.68	22.14
12H	4H	19.50	19.88	20.56	20.94	22.35	18.39	18.77	19.45	19.83	21.24
	6H	20.16	20.47	21.24	21.54	22.96	18.97	19.28	20.05	20.35	21.77
	8H	20.46	20.73	21.54	21.80	23.26	19.25	19.52	20.33	20.59	22.05