

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: P1439222

Luminaire Tested: CB3-085U-030D-840-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439222  
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-030D-840-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

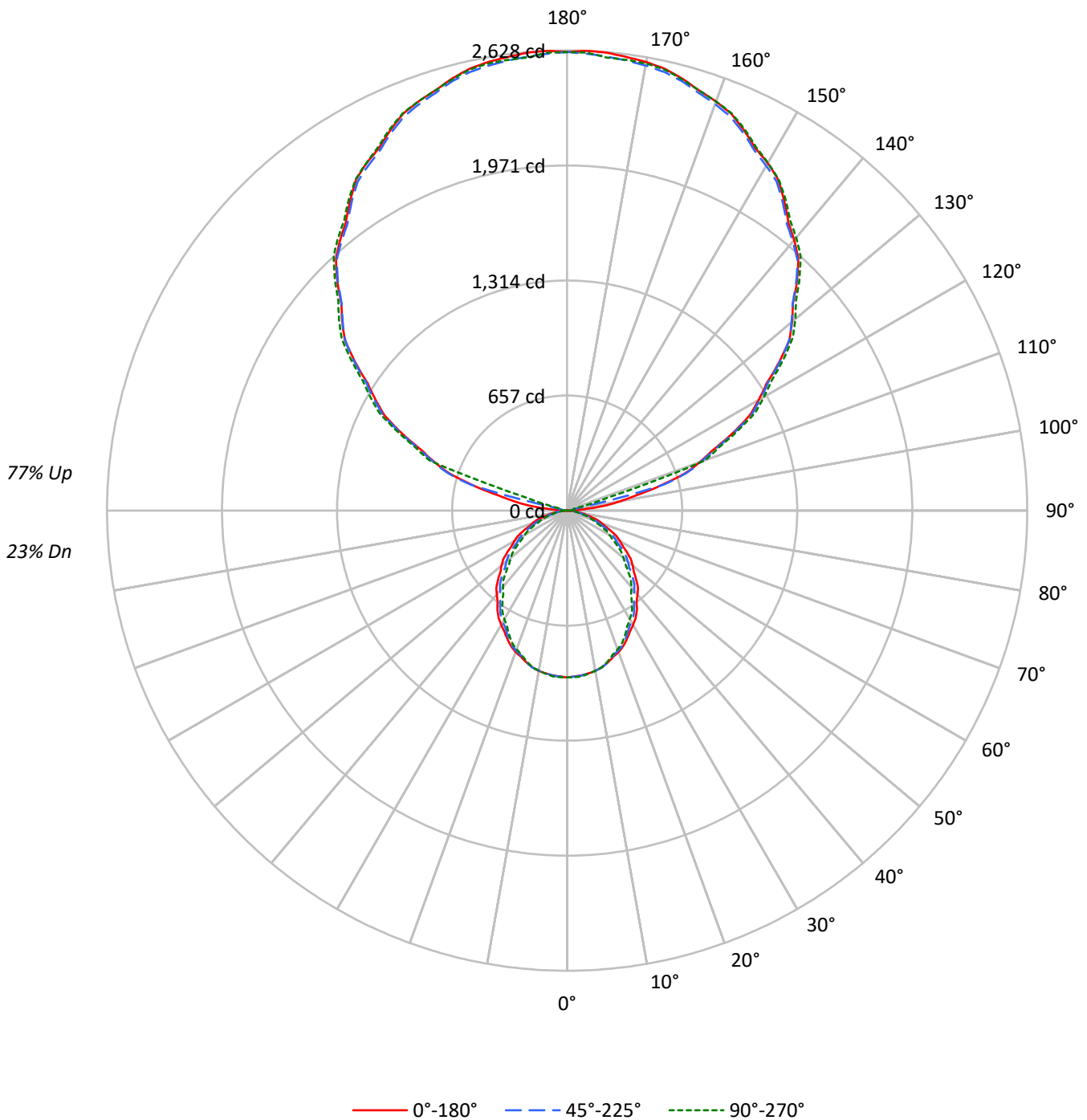
Lumens per Lamp: N/A  
Luminaire Lumens: 10009.5 lumens  
Efficiency: N/A  
Efficacy: 137.1 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 73  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	101	101	101	101	89	89	89	89	68	68	68	49	49	49	31	31	31	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	26	19
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	24	23	22	16
3	76	67	60	55	67	60	54	49	46	42	39	33	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	41	36	37	32	28	27	24	21	17	16	14	10
6	59	47	40	34	52	42	36	31	33	28	25	24	21	19	16	14	13	9
7	54	42	35	30	48	38	32	27	30	25	22	22	19	16	14	13	11	8
8	50	38	31	26	44	34	28	24	27	22	19	20	17	15	13	11	10	7
9	47	35	28	23	41	31	25	21	25	20	17	18	15	13	12	10	9	7
10	43	32	25	20	38	29	23	19	23	18	15	17	14	12	11	9	8	6

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	5391	5391	5391
5°	5365	5369	5399
10°	5341	5334	5334
15°	5259	5259	5228
20°	5174	5122	5076
25°	5044	4981	4892
30°	4920	4792	4677
35°	4791	4613	4450
40°	4618	4398	4208
45°	4461	4207	3947
50°	4300	3979	3693
55°	4125	3758	3451
60°	3935	3530	3177
65°	3715	3270	2890
70°	3459	2966	2575
75°	3137	2603	2293
80°	2733	2183	2030
85°	2110	1843	1843

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4461 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.9	0.9
10°-20°	252.6	2.5
20°-30°	367.0	3.7
30°-40°	417.2	4.2
40°-50°	405.0	4.0
50°-60°	342.0	3.4
60°-70°	243.3	2.4
70°-80°	130.0	1.3
80°-90°	34.4	0.3
90°-100°	60.5	0.6
100°-110°	437.9	4.4
110°-120°	1041.2	10.4
120°-130°	1330.2	13.3
130°-140°	1434.8	14.3
140°-150°	1352.6	13.5
150°-160°	1103.4	11.0
160°-170°	718.9	7.2
170°-180°	248.5	2.5
0°-30°	709.4	7.1
0°-40°	1126.7	11.3
0°-60°	1873.6	18.7
0°-90°	2281.4	22.8
90°-120°	1539.6	15.4
90°-150°	5657.2	56.5
90°-180°	7728.0	77.2
0°-180°	10009.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	953	953	953	953	953	
5°	945	957	945	944	951	90
15°	898	906	898	893	893	253
25°	808	811	798	787	784	372
35°	694	687	668	648	644	432
45°	558	549	526	501	493	430
55°	418	407	381	356	350	374
65°	278	268	244	222	216	275
75°	144	136	119	107	105	153
85°	32	30	28	28	28	38
90°	0	0	0	2	0	5
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°	952.9	952.9	952.9	952.9	952.9
2.5°	948.0	957.5	949.1	950.2	952.3
5°	944.7	956.6	945.4	944.2	950.8
7.5°	937.4	948.3	936.6	933.9	939.9
10°	929.8	941.8	928.5	925.2	928.5
12.5°	916.3	928.7	918.2	912.7	915.5
15°	898.0	906.0	898.0	892.6	892.6
17.5°	875.7	884.0	869.1	865.3	863.8
20°	859.5	866.7	850.7	845.2	843.2
22.5°	837.8	844.6	831.2	821.9	819.4
25°	808.0	810.7	797.9	787.0	783.7
27.5°	778.1	778.8	761.2	748.0	743.6
30°	753.2	753.9	733.6	719.3	716.0
32.5°	728.3	726.3	707.1	690.1	687.8
35°	693.7	687.0	667.9	648.2	644.3
37.5°	651.8	647.9	625.3	605.5	599.6
40°	625.3	618.7	595.5	575.8	569.8
42.5°	598.8	591.1	567.4	545.4	539.0
45°	557.6	549.0	525.8	500.6	493.3
47.5°	516.2	506.8	481.3	456.9	448.8
50°	488.6	478.7	452.1	428.2	419.6
52.5°	460.5	450.0	423.4	399.0	392.0
55°	418.2	407.0	381.0	356.5	349.9
57.5°	376.0	364.9	339.0	315.9	307.9
60°	347.8	337.3	312.0	288.8	280.8
62.5°	319.2	309.1	284.4	261.7	254.3
65°	277.5	267.5	244.3	222.5	215.9
67.5°	236.2	227.7	204.8	184.8	179.5
70°	209.1	201.2	179.3	160.9	155.7
72.5°	183.1	174.7	153.9	138.2	134.5
75°	143.5	135.5	119.1	106.9	104.9
77.5°	107.2	100.7	86.5	79.6	78.5
80°	83.9	78.0	67.0	62.3	62.3
82.5°	62.3	57.4	50.2	48.2	48.2
85°	32.5	29.8	28.4	28.4	28.4
87.5°	9.7	9.7	9.2	9.0	8.7
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	9.68	10.34	10.85	11.49	13.10	8.61	9.26	9.77	10.41	12.02
	3H	11.33	11.92	12.50	13.08	14.70	10.00	10.59	11.17	11.75	13.37
	4H	11.96	12.51	13.13	13.67	15.30	10.51	11.07	11.69	12.22	13.86
	6H	12.33	12.84	13.51	14.00	15.64	10.82	11.33	12.00	12.49	14.13
	8H	12.46	12.95	13.65	14.12	15.76	10.94	11.42	12.12	12.60	14.23
	12H	12.52	12.98	13.71	14.15	15.81	11.00	11.47	12.19	12.63	14.29
4H	2H	10.07	10.62	11.25	11.78	13.41	9.21	9.77	10.39	10.92	12.55
	3H	11.94	12.40	13.13	13.58	15.23	10.81	11.27	12.00	12.45	14.10
	4H	12.68	13.11	13.87	14.27	15.94	11.41	11.83	12.60	13.00	14.67
	6H	13.17	13.53	14.36	14.72	16.38	11.81	12.17	13.00	13.36	15.02
	8H	13.35	13.70	14.55	14.88	16.55	11.97	12.31	13.17	13.50	15.17
	12H	13.44	13.75	14.65	14.94	16.62	12.07	12.38	13.28	13.57	15.24
8H	4H	12.79	13.13	13.98	14.31	15.98	11.65	11.99	12.84	13.17	14.84
	6H	13.40	13.68	14.61	14.91	16.57	12.17	12.45	13.38	13.68	15.34
	8H	13.68	13.92	14.89	15.12	16.81	12.42	12.67	13.64	13.87	15.55
	12H	13.83	14.04	15.05	15.24	16.96	12.59	12.80	13.81	14.00	15.72
12H	4H	12.75	13.06	13.96	14.26	15.93	11.64	11.95	12.85	13.15	14.82
	6H	13.42	13.66	14.63	14.86	16.55	12.23	12.47	13.44	13.67	15.36
	8H	13.71	13.92	14.93	15.12	16.84	12.50	12.71	13.72	13.91	15.63