

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: P1439252

Luminaire Tested: CB3-085U-085D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439252
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-927-1D-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: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

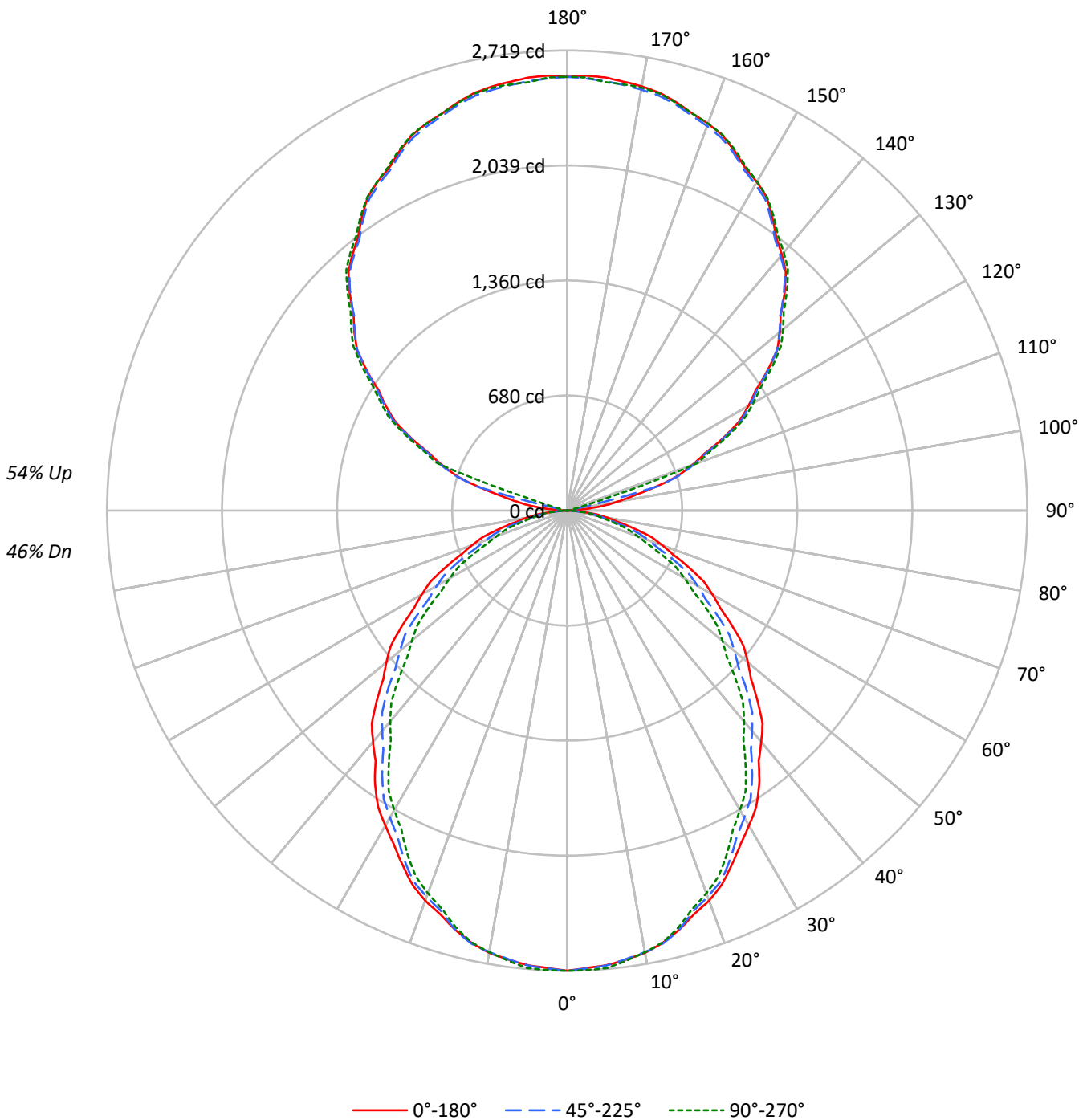
Lumens per Lamp: N/A
Luminaire Lumens: 14073.7 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

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°	15383	15383	15383
5°	15311	15322	15409
10°	15244	15221	15221
15°	15010	15010	14920
20°	14766	14615	14487
25°	14394	14213	13960
30°	14042	13676	13348
35°	13672	13165	12698
40°	13179	12551	12009
45°	12732	12006	11264
50°	12272	11354	10539
55°	11772	10724	9848
60°	11232	10073	9069
65°	10599	9333	8247
70°	9872	8466	7347
75°	8949	7430	6542
80°	7803	6229	5789
85°	6017	5264	5264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12732 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.6	1.8
10°-20°	720.8	5.1
20°-30°	1047.2	7.4
30°-40°	1190.6	8.5
40°-50°	1155.8	8.2
50°-60°	975.9	6.9
60°-70°	694.3	4.9
70°-80°	371.0	2.6
80°-90°	98.1	0.7
90°-100°	59.2	0.4
100°-110°	428.6	3.0
110°-120°	1019.0	7.2
120°-130°	1301.8	9.3
130°-140°	1404.2	10.0
140°-150°	1323.8	9.4
150°-160°	1079.9	7.7
160°-170°	703.6	5.0
170°-180°	243.2	1.7
0°-30°	2024.6	14.4
0°-40°	3215.3	22.8
0°-60°	5347.0	38.0
0°-90°	6510.3	46.3
90°-120°	1506.8	10.7
90°-150°	5536.6	39.3
90°-180°	7563.0	53.7
0°-180°	14073.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2719	2719	2719	2719	2719	
5°	2696	2730	2698	2695	2713	256
15°	2563	2586	2563	2547	2547	722
25°	2306	2314	2277	2246	2236	1062
35°	1980	1961	1906	1850	1839	1234
45°	1591	1567	1501	1429	1408	1227
55°	1194	1161	1087	1017	998	1067
65°	792	764	697	635	616	784
75°	409	387	340	305	299	436
85°	93	85	81	81	81	110
90°	0	0	0	2	0	8
95°	108	19	25	27	27	134
105°	543	550	558	41	42	572
115°	1018	1025	1027	1043	1049	1004
125°	1446	1456	1452	1468	1477	1291
135°	1817	1827	1812	1825	1837	1400
145°	2115	2128	2101	2115	2126	1323
155°	2343	2362	2329	2335	2350	1080
165°	2497	2510	2484	2476	2493	705
175°	2569	2582	2547	2534	2542	244
180°	2563	2563	2563	2563	2563	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2719.2	2719.2	2719.2	2719.2	2719.2
2.5°	2705.3	2732.5	2708.4	2711.7	2717.7
5°	2696.1	2730.1	2698.0	2694.6	2713.4
7.5°	2675.2	2706.2	2672.9	2665.2	2682.2
10°	2653.6	2687.6	2649.7	2640.3	2649.7
12.5°	2615.0	2650.5	2620.4	2604.7	2612.6
15°	2562.8	2585.5	2562.8	2547.4	2547.4
17.5°	2499.1	2522.9	2480.1	2469.2	2465.1
20°	2452.7	2473.5	2427.6	2412.0	2406.4
22.5°	2390.9	2410.2	2372.0	2345.6	2338.4
25°	2305.9	2313.5	2277.0	2245.9	2236.4
27.5°	2220.6	2222.5	2172.3	2134.6	2122.1
30°	2149.5	2151.4	2093.5	2052.7	2043.3
32.5°	2078.4	2072.8	2017.8	1969.4	1963.0
35°	1979.6	1960.7	1906.2	1849.9	1838.6
37.5°	1860.2	1848.9	1784.5	1728.1	1711.1
40°	1784.5	1765.6	1699.5	1643.1	1626.1
42.5°	1708.8	1686.9	1619.2	1556.6	1538.1
45°	1591.4	1566.8	1500.6	1428.7	1407.9
47.5°	1473.2	1446.4	1373.5	1303.9	1280.8
50°	1394.4	1366.1	1290.1	1221.9	1197.4
52.5°	1314.0	1284.2	1208.2	1138.6	1118.6
55°	1193.5	1161.4	1087.3	1017.4	998.5
57.5°	1073.0	1041.3	967.6	901.4	878.7
60°	992.7	962.5	890.3	824.1	801.5
62.5°	910.8	882.1	811.5	746.9	725.8
65°	791.8	763.5	697.2	635.0	616.1
67.5°	674.0	649.8	584.4	527.3	512.2
70°	596.8	574.1	511.8	459.3	444.2
72.5°	522.6	498.4	439.2	394.5	383.9
75°	409.4	386.8	339.9	305.0	299.3
77.5°	305.9	287.4	246.8	227.0	224.0
80°	239.5	222.5	191.2	177.7	177.7
82.5°	177.7	163.7	143.3	137.5	137.5
85°	92.7	85.1	81.1	81.1	81.1
87.5°	27.8	27.8	26.3	25.1	24.7
90°	0.0	0.0	0.0	1.9	0.0
92.5°	29.4	11.2	9.3	11.2	10.8
95°	108.2	19.4	25.1	27.0	27.0
97.5°	217.8	213.7	29.4	35.2	35.5
100°	301.3	310.7	30.9	36.7	38.6
102.5°	394.0	401.9	57.2	38.3	40.2
105°	542.7	550.2	558.1	40.6	42.5
107.5°	690.6	696.3	701.4	631.4	236.4
110°	788.0	793.6	795.7	815.1	818.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	879.1	886.3	889.9	906.3	913.1
115°	1017.8	1025.3	1027.4	1043.0	1048.7
117.5°	1149.5	1157.4	1161.1	1173.7	1182.7
120°	1236.0	1245.5	1247.6	1263.2	1270.8
122.5°	1321.0	1331.9	1331.0	1345.2	1355.8
125°	1446.5	1456.0	1452.3	1468.0	1477.4
127.5°	1565.9	1571.5	1563.6	1582.7	1590.6
130°	1641.6	1647.3	1637.7	1655.3	1664.8
132.5°	1711.1	1719.8	1708.8	1724.8	1734.3
135°	1817.3	1826.8	1811.5	1825.3	1836.6
137.5°	1912.0	1923.3	1905.0	1921.1	1930.9
140°	1973.8	1985.1	1962.2	1979.8	1991.2
142.5°	2030.9	2045.3	2017.8	2033.9	2046.8
145°	2114.8	2128.0	2101.2	2115.0	2126.3
147.5°	2194.3	2205.7	2180.0	2189.9	2197.8
150°	2242.2	2253.5	2224.8	2234.7	2244.1
152.5°	2280.8	2296.7	2268.1	2275.0	2289.0
155°	2342.6	2361.5	2329.1	2335.3	2350.4
157.5°	2399.4	2416.4	2384.0	2389.3	2402.5
160°	2433.4	2450.4	2418.0	2420.2	2433.4
162.5°	2459.7	2475.2	2447.3	2443.4	2459.7
165°	2497.1	2510.4	2483.6	2476.3	2493.3
167.5°	2528.4	2543.5	2510.7	2504.5	2523.8
170°	2545.4	2560.5	2526.1	2516.9	2537.7
172.5°	2556.2	2569.8	2536.9	2524.6	2540.8
175°	2568.6	2581.8	2547.4	2534.0	2541.6
177.5°	2572.1	2582.7	2555.1	2543.1	2561.3
180°	2562.8	2562.8	2562.8	2562.8	2562.8



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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	16.29	17.11	17.28	18.11	19.43	15.21	16.03	16.20	17.03	18.35
	3H	17.95	18.68	18.95	19.70	21.04	16.62	17.35	17.62	18.36	19.71
	4H	18.58	19.27	19.59	20.29	21.64	17.14	17.83	18.15	18.84	20.20
	6H	18.96	19.60	19.99	20.62	21.99	17.45	18.09	18.48	19.11	20.47
	8H	19.10	19.71	20.13	20.74	22.10	17.57	18.18	18.60	19.22	20.58
	12H	19.16	19.74	20.20	20.77	22.16	17.65	18.23	18.68	19.25	20.64
4H	2H	16.69	17.39	17.71	18.40	19.75	15.83	16.53	16.85	17.54	18.89
	3H	18.58	19.16	19.61	20.20	21.56	17.45	18.03	18.48	19.07	20.43
	4H	19.32	19.85	20.36	20.89	22.28	18.05	18.58	19.09	19.62	21.01
	6H	19.82	20.28	20.87	21.34	22.72	18.46	18.92	19.51	19.97	21.36
	8H	20.01	20.44	21.06	21.49	22.89	18.63	19.06	19.68	20.11	21.51
	12H	20.11	20.49	21.18	21.56	22.96	18.73	19.12	19.80	20.18	21.59
8H	4H	19.45	19.87	20.50	20.92	22.32	18.31	18.74	19.36	19.79	21.19
	6H	20.07	20.42	21.14	21.51	22.91	18.84	19.19	19.91	20.28	21.68
	8H	20.34	20.65	21.42	21.73	23.14	19.09	19.40	20.17	20.47	21.89
	12H	20.50	20.78	21.59	21.85	23.31	19.26	19.53	20.35	20.61	22.06
12H	4H	19.42	19.80	20.49	20.87	22.27	18.31	18.69	19.38	19.76	21.16
	6H	20.08	20.39	21.16	21.47	22.89	18.89	19.20	19.97	20.28	21.70
	8H	20.38	20.65	21.46	21.72	23.18	19.17	19.45	20.26	20.52	21.97