

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: P1439248

Luminaire Tested: CB3-085U-085D-835-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439248
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-835-1D-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

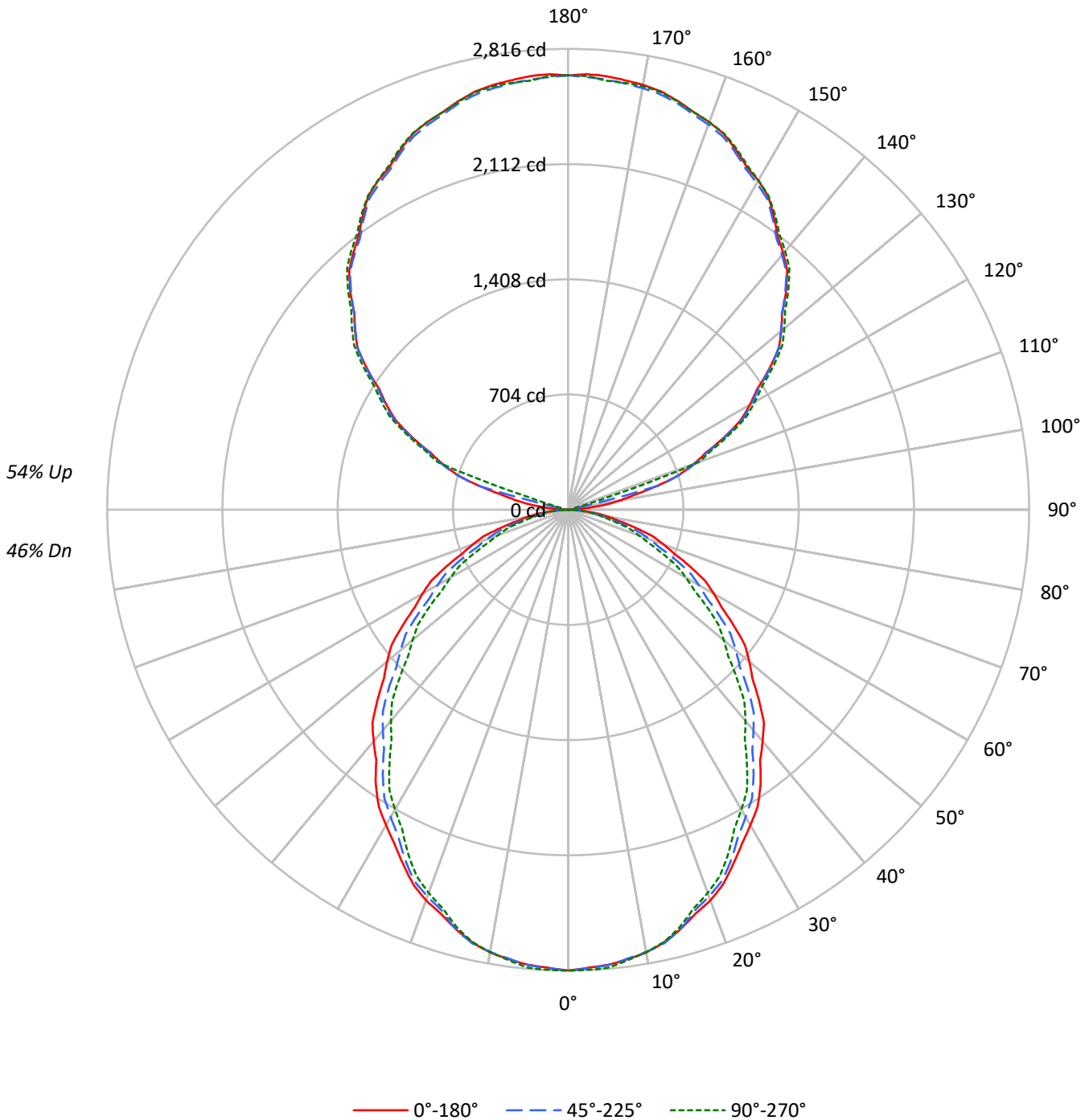
Lumens per Lamp: N/A
Luminaire Lumens: 14574.5 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

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										
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	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°	15931	15931	15931
5°	15855	15867	15958
10°	15786	15763	15763
15°	15544	15544	15450
20°	15292	15135	15003
25°	14906	14719	14457
30°	14541	14162	13823
35°	14158	13633	13150
40°	13648	12998	12436
45°	13185	12433	11665
50°	12709	11758	10913
55°	12191	11106	10199
60°	11631	10432	9391
65°	10977	9665	8540
70°	10222	8767	7609
75°	9268	7694	6776
80°	8080	6451	5995
85°	6231	5452	5452

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13185 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.7	1.8
10°-20°	746.4	5.1
20°-30°	1084.5	7.4
30°-40°	1233.0	8.5
40°-50°	1197.0	8.2
50°-60°	1010.6	6.9
60°-70°	719.0	4.9
70°-80°	384.2	2.6
80°-90°	101.6	0.7
90°-100°	61.3	0.4
100°-110°	443.8	3.0
110°-120°	1055.3	7.2
120°-130°	1348.2	9.3
130°-140°	1454.2	10.0
140°-150°	1370.9	9.4
150°-160°	1118.3	7.7
160°-170°	728.7	5.0
170°-180°	251.9	1.7
0°-30°	2096.6	14.4
0°-40°	3329.7	22.8
0°-60°	5537.2	38.0
0°-90°	6742.0	46.3
90°-120°	1560.4	10.7
90°-150°	5733.7	39.3
90°-180°	7833.0	53.7
0°-180°	14574.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2816	2816	2816	2816	2816	
5°	2792	2827	2794	2790	2810	265
15°	2654	2678	2654	2638	2638	748
25°	2388	2396	2358	2326	2316	1100
35°	2050	2030	1974	1916	1904	1277
45°	1648	1623	1554	1480	1458	1271
55°	1236	1203	1126	1054	1034	1105
65°	820	791	722	658	638	812
75°	424	400	352	316	310	452
85°	96	88	84	84	84	114
90°	0	0	0	2	0	8
95°	112	20	26	28	28	138
105°	562	570	578	42	44	593
115°	1054	1062	1064	1080	1086	1040
125°	1498	1508	1504	1520	1530	1337
135°	1882	1892	1876	1890	1902	1449
145°	2190	2204	2176	2190	2202	1370
155°	2426	2446	2412	2418	2434	1119
165°	2586	2600	2572	2564	2582	730
175°	2660	2674	2638	2624	2632	253
180°	2654	2654	2654	2654	2654	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2816.0	2816.0	2816.0	2816.0	2816.0
2.5°	2801.6	2829.8	2804.8	2808.1	2814.4
5°	2792.0	2827.2	2794.0	2790.4	2810.0
7.5°	2770.4	2802.5	2768.0	2760.0	2777.6
10°	2748.0	2783.2	2744.0	2734.2	2744.0
12.5°	2708.0	2744.8	2713.6	2697.4	2705.6
15°	2654.0	2677.5	2654.0	2638.0	2638.0
17.5°	2588.0	2612.6	2568.4	2557.1	2552.8
20°	2540.0	2561.5	2514.0	2497.9	2492.0
22.5°	2476.0	2495.9	2456.4	2429.0	2421.6
25°	2388.0	2395.8	2358.0	2325.8	2316.0
27.5°	2299.6	2301.6	2249.6	2210.5	2197.6
30°	2226.0	2228.0	2168.0	2125.8	2116.0
32.5°	2152.4	2146.5	2089.6	2039.4	2032.8
35°	2050.0	2030.4	1974.0	1915.7	1904.0
37.5°	1926.4	1914.7	1848.0	1789.6	1772.0
40°	1848.0	1828.4	1760.0	1701.6	1684.0
42.5°	1769.6	1746.9	1676.8	1612.0	1592.8
45°	1648.0	1622.6	1554.0	1479.5	1458.0
47.5°	1525.6	1497.8	1422.4	1350.3	1326.4
50°	1444.0	1414.7	1336.0	1265.4	1240.0
52.5°	1360.8	1329.9	1251.2	1179.1	1158.4
55°	1236.0	1202.8	1126.0	1053.6	1034.0
57.5°	1111.2	1078.3	1002.0	933.5	910.0
60°	1028.0	996.7	922.0	853.5	830.0
62.5°	943.2	913.5	840.4	773.5	751.6
65°	820.0	790.7	722.0	657.6	638.0
67.5°	698.0	673.0	605.2	546.0	530.4
70°	618.0	594.5	530.0	475.6	460.0
72.5°	541.2	516.2	454.8	408.6	397.6
75°	424.0	400.5	352.0	315.9	310.0
77.5°	316.8	297.6	255.6	235.1	232.0
80°	248.0	230.4	198.0	184.0	184.0
82.5°	184.0	169.5	148.4	142.4	142.4
85°	96.0	88.2	84.0	84.0	84.0
87.5°	28.8	28.8	27.2	26.0	25.6
90°	0.0	0.0	0.0	2.0	0.0
92.5°	30.4	11.6	9.6	11.6	11.2
95°	112.0	20.1	26.0	28.0	28.0
97.5°	225.6	221.3	30.4	36.4	36.8
100°	312.0	321.8	32.0	38.0	40.0
102.5°	408.0	416.2	59.2	39.6	41.6
105°	562.0	569.8	578.0	42.0	44.0
107.5°	715.2	721.1	726.4	653.9	244.8
110°	816.0	821.9	824.0	844.1	848.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	910.4	917.8	921.6	938.6	945.6
115°	1054.0	1061.8	1064.0	1080.1	1086.0
117.5°	1190.4	1198.6	1202.4	1215.4	1224.8
120°	1280.0	1289.8	1292.0	1308.2	1316.0
122.5°	1368.0	1379.3	1378.4	1393.0	1404.0
125°	1498.0	1507.8	1504.0	1520.2	1530.0
127.5°	1621.6	1627.5	1619.2	1639.0	1647.2
130°	1700.0	1705.9	1696.0	1714.2	1724.0
132.5°	1772.0	1781.0	1769.6	1786.2	1796.0
135°	1882.0	1891.8	1876.0	1890.3	1902.0
137.5°	1980.0	1991.7	1972.8	1989.4	1999.6
140°	2044.0	2055.7	2032.0	2050.3	2062.0
142.5°	2103.2	2118.1	2089.6	2106.3	2119.6
145°	2190.0	2203.7	2176.0	2190.3	2202.0
147.5°	2272.4	2284.1	2257.6	2267.8	2276.0
150°	2322.0	2333.7	2304.0	2314.2	2324.0
152.5°	2362.0	2378.4	2348.8	2355.9	2370.4
155°	2426.0	2445.6	2412.0	2418.4	2434.0
157.5°	2484.8	2502.4	2468.8	2474.3	2488.0
160°	2520.0	2537.6	2504.0	2506.3	2520.0
162.5°	2547.2	2563.2	2534.4	2530.4	2547.2
165°	2586.0	2599.7	2572.0	2564.4	2582.0
167.5°	2618.4	2634.0	2600.0	2593.7	2613.6
170°	2636.0	2651.6	2616.0	2606.5	2628.0
172.5°	2647.2	2661.3	2627.2	2614.4	2631.2
175°	2660.0	2673.7	2638.0	2624.2	2632.0
177.5°	2663.6	2674.6	2646.0	2633.6	2652.4
180°	2654.0	2654.0	2654.0	2654.0	2654.0



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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	16.41	17.23	17.40	18.23	19.55	15.33	16.15	16.32	17.15	18.48
	3H	18.07	18.81	19.07	19.82	21.16	16.74	17.48	17.74	18.49	19.83
	4H	18.70	19.40	19.72	20.41	21.76	17.26	17.95	18.27	18.96	20.32
	6H	19.08	19.72	20.11	20.74	22.11	17.57	18.21	18.60	19.23	20.60
	8H	19.22	19.83	20.25	20.86	22.22	17.69	18.30	18.73	19.34	20.70
	12H	19.29	19.86	20.32	20.89	22.28	17.77	18.35	18.80	19.37	20.76
4H	2H	16.81	17.51	17.83	18.52	19.87	15.95	16.65	16.97	17.66	19.02
	3H	18.70	19.28	19.73	20.32	21.69	17.57	18.15	18.60	19.19	20.56
	4H	19.45	19.97	20.48	21.01	22.40	18.17	18.70	19.21	19.74	21.13
	6H	19.94	20.40	20.99	21.46	22.84	18.58	19.04	19.63	20.10	21.48
	8H	20.14	20.56	21.18	21.61	23.01	18.75	19.18	19.80	20.23	21.63
	12H	20.23	20.61	21.30	21.68	23.08	18.86	19.24	19.92	20.30	21.71
8H	4H	19.57	20.00	20.62	21.05	22.45	18.43	18.86	19.48	19.91	21.31
	6H	20.19	20.54	21.26	21.63	23.03	18.96	19.31	20.03	20.40	21.80
	8H	20.46	20.77	21.54	21.85	23.27	19.21	19.52	20.29	20.60	22.01
	12H	20.63	20.90	21.71	21.97	23.43	19.39	19.66	20.47	20.73	22.19
12H	4H	19.54	19.93	20.61	20.99	22.40	18.43	18.82	19.50	19.88	21.29
	6H	20.20	20.51	21.28	21.59	23.01	19.02	19.32	20.09	20.40	21.82
	8H	20.50	20.77	21.58	21.84	23.30	19.30	19.57	20.38	20.64	22.10