

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: P1439240

Luminaire Tested: CB3-085U-055D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439240
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-930-1D-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

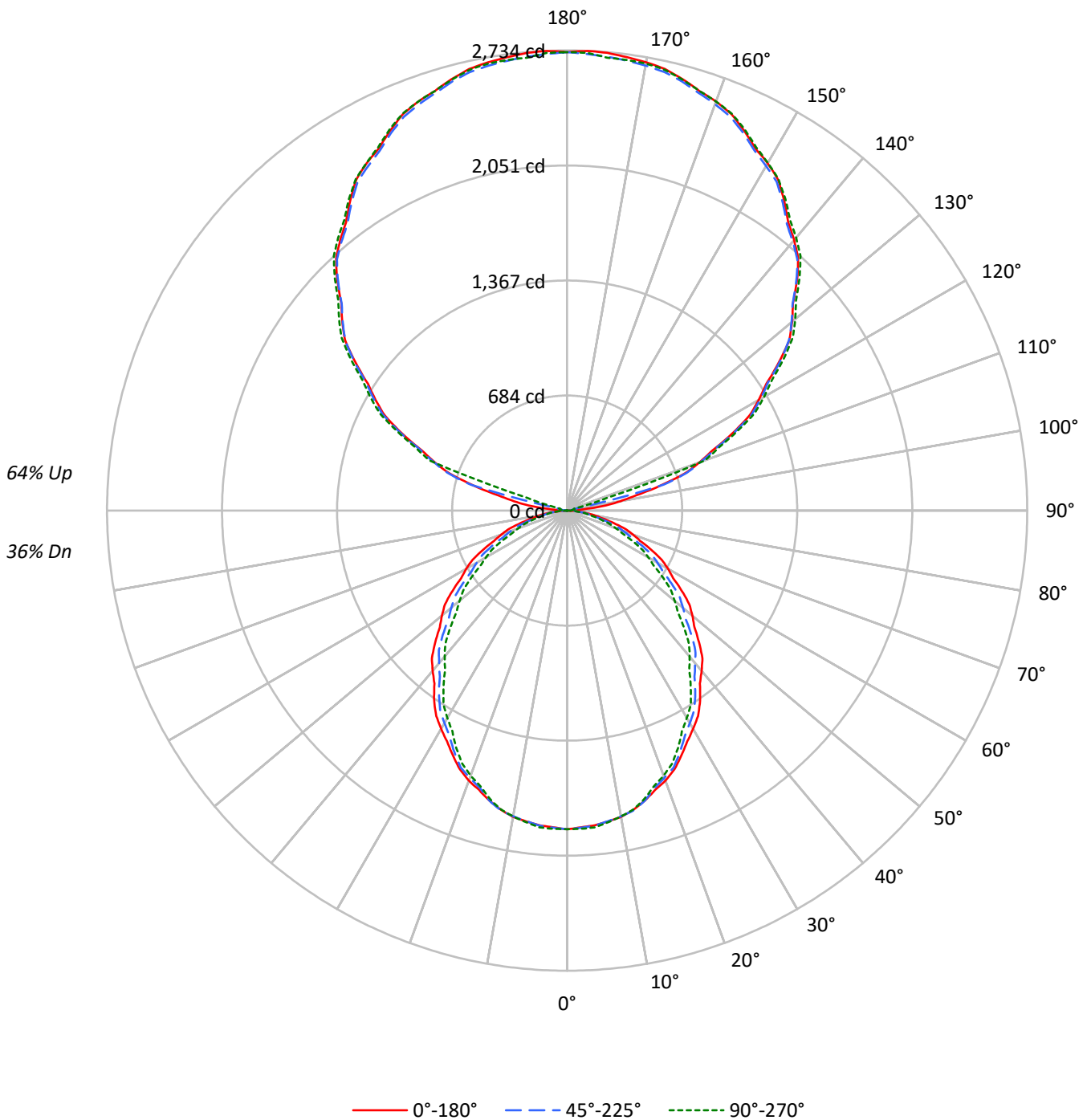
Lumens per Lamp: N/A
Luminaire Lumens: 12571.2 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 89.1
Input Voltage (V): 120
Input Current (Ain): 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

TEST NUMBER: P1439240

CATALOG NUMBER: CB3-085U-055D-930-1D-UNV-STD-W-8

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	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°	10711	10711	10711
5°	10660	10668	10729
10°	10614	10598	10598
15°	10451	10451	10388
20°	10282	10176	10087
25°	10022	9896	9720
30°	9777	9522	9294
35°	9519	9166	8841
40°	9176	8739	8361
45°	8865	8359	7843
50°	8545	7906	7338
55°	8196	7467	6857
60°	7821	7014	6315
65°	7380	6498	5743
70°	6873	5893	5116
75°	6232	5174	4555
80°	5431	4336	4030
85°	4187	3667	3667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8865 cd/sqm



TEST NUMBER: P1439240

CATALOG NUMBER: CB3-085U-055D-930-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.6	1.4
10°-20°	501.9	4.0
20°-30°	729.2	5.8
30°-40°	829.0	6.6
40°-50°	804.8	6.4
50°-60°	679.5	5.4
60°-70°	483.4	3.8
70°-80°	258.3	2.1
80°-90°	68.3	0.5
90°-100°	62.9	0.5
100°-110°	455.5	3.6
110°-120°	1083.0	8.6
120°-130°	1383.6	11.0
130°-140°	1492.4	11.9
140°-150°	1406.9	11.2
150°-160°	1147.7	9.1
160°-170°	747.8	5.9
170°-180°	258.5	2.1
0°-30°	1409.7	11.2
0°-40°	2238.7	17.8
0°-60°	3723.0	29.6
0°-90°	4533.0	36.1
90°-120°	1601.4	12.7
90°-150°	5884.2	46.8
90°-180°	8038.0	63.9
0°-180°	12571.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1893	1893	1893	1893	1893	
5°	1877	1901	1879	1876	1889	178
15°	1784	1800	1784	1774	1774	503
25°	1606	1611	1585	1564	1557	740
35°	1378	1365	1327	1288	1280	859
45°	1108	1091	1045	995	980	855
55°	831	809	757	708	695	743
65°	551	532	485	442	429	546
75°	285	269	237	212	208	304
85°	64	59	56	56	56	76
90°	0	0	0	2	0	7
95°	115	21	27	29	29	142
105°	577	585	593	43	45	608
115°	1082	1090	1092	1108	1114	1067
125°	1537	1547	1544	1560	1570	1372
135°	1931	1942	1925	1940	1952	1487
145°	2248	2262	2233	2248	2260	1406
155°	2490	2510	2475	2482	2498	1148
165°	2654	2668	2640	2632	2650	749
175°	2730	2744	2707	2693	2701	260
180°	2724	2724	2724	2724	2724	

TEST NUMBER: P1439240

CATALOG NUMBER: CB3-085U-055D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1893.3	1893.3	1893.3	1893.3	1893.3
2.5°	1883.7	1902.6	1885.8	1888.1	1892.3
5°	1877.2	1900.9	1878.6	1876.2	1889.3
7.5°	1862.7	1884.2	1861.1	1855.7	1867.5
10°	1847.6	1871.3	1844.9	1838.4	1844.9
12.5°	1820.7	1845.4	1824.5	1813.6	1819.1
15°	1784.4	1800.2	1784.4	1773.7	1773.7
17.5°	1740.0	1756.6	1726.9	1719.3	1716.4
20°	1707.8	1722.2	1690.3	1679.4	1675.5
22.5°	1664.7	1678.2	1651.6	1633.2	1628.2
25°	1605.6	1610.8	1585.4	1563.7	1557.2
27.5°	1546.1	1547.5	1512.5	1486.2	1477.6
30°	1496.7	1498.0	1457.7	1429.3	1422.7
32.5°	1447.2	1443.2	1404.9	1371.2	1366.8
35°	1378.3	1365.2	1327.2	1288.0	1280.2
37.5°	1295.2	1287.3	1242.5	1203.2	1191.4
40°	1242.5	1229.4	1183.3	1144.1	1132.2
42.5°	1189.8	1174.5	1127.4	1083.8	1070.9
45°	1108.0	1090.9	1044.8	994.8	980.3
47.5°	1025.7	1007.1	956.4	907.8	891.8
50°	970.9	951.2	898.3	850.8	833.7
52.5°	914.9	894.2	841.2	792.8	778.9
55°	831.0	808.7	757.1	708.4	695.2
57.5°	747.1	725.0	673.7	627.6	611.8
60°	691.2	670.1	619.9	573.8	558.1
62.5°	634.2	614.2	565.0	520.1	505.3
65°	551.3	531.6	485.4	442.1	429.0
67.5°	469.3	452.5	406.9	367.1	356.6
70°	415.5	399.7	356.3	319.8	309.3
72.5°	363.9	347.0	305.8	274.7	267.3
75°	285.1	269.3	236.7	212.4	208.4
77.5°	213.0	200.1	171.9	158.1	156.0
80°	166.7	154.9	133.1	123.7	123.7
82.5°	123.7	114.0	99.8	95.7	95.7
85°	64.5	59.3	56.5	56.5	56.5
87.5°	19.4	19.4	18.3	17.6	17.2
90°	0.0	0.0	0.0	2.0	0.0
92.5°	31.2	11.9	9.9	11.9	11.5
95°	114.9	20.6	26.7	28.7	28.7
97.5°	231.5	227.1	31.2	37.4	37.8
100°	320.2	330.2	32.8	39.0	41.1
102.5°	418.7	427.1	60.8	40.7	42.7
105°	576.8	584.8	593.2	43.1	45.2
107.5°	734.0	740.0	745.5	671.1	251.2
110°	837.4	843.5	845.6	866.3	870.3



TEST NUMBER: P1439240

CATALOG NUMBER: CB3-085U-055D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	934.3	941.9	945.8	963.2	970.4
115°	1081.7	1089.7	1091.9	1108.5	1114.5
117.5°	1221.7	1230.1	1234.0	1247.3	1257.0
120°	1313.6	1323.7	1325.9	1342.5	1350.6
122.5°	1403.9	1415.6	1414.6	1429.6	1440.9
125°	1537.3	1547.4	1543.5	1560.1	1570.2
127.5°	1664.2	1670.2	1661.7	1682.0	1690.5
130°	1744.6	1750.7	1740.5	1759.2	1769.3
132.5°	1818.5	1827.8	1816.1	1833.1	1843.2
135°	1931.4	1941.5	1925.3	1939.9	1952.0
137.5°	2032.0	2044.0	2024.6	2041.7	2052.1
140°	2097.7	2109.7	2085.4	2104.1	2116.2
142.5°	2158.4	2173.7	2144.5	2161.6	2175.3
145°	2247.5	2261.6	2233.1	2247.8	2259.8
147.5°	2332.1	2344.1	2316.9	2327.3	2335.8
150°	2383.0	2395.0	2364.5	2375.0	2385.0
152.5°	2424.0	2440.9	2410.5	2417.8	2432.7
155°	2489.7	2509.8	2475.3	2481.9	2497.9
157.5°	2550.1	2568.1	2533.6	2539.3	2553.3
160°	2586.2	2604.2	2569.8	2572.1	2586.2
162.5°	2614.1	2630.6	2601.0	2596.8	2614.1
165°	2653.9	2668.0	2639.5	2631.7	2649.8
167.5°	2687.2	2703.2	2668.3	2661.8	2682.2
170°	2705.2	2721.3	2684.7	2674.9	2697.0
172.5°	2716.7	2731.2	2696.2	2683.0	2700.3
175°	2729.9	2743.9	2707.3	2693.1	2701.1
177.5°	2733.6	2744.8	2715.5	2702.8	2722.1
180°	2723.7	2723.7	2723.7	2723.7	2723.7



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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	13.94	14.68	15.01	15.75	17.21	12.86	13.60	13.93	14.67	16.13
	3H	15.60	16.26	16.67	17.34	18.81	14.26	14.93	15.34	16.01	17.48
	4H	16.22	16.85	17.31	17.93	19.41	14.78	15.40	15.87	16.49	17.97
	6H	16.60	17.18	17.70	18.26	19.76	15.09	15.67	16.19	16.75	18.24
	8H	16.73	17.28	17.84	18.38	19.87	15.21	15.76	16.31	16.86	18.35
	12H	16.80	17.32	17.90	18.41	19.92	15.28	15.80	16.39	16.89	18.41
4H	2H	14.33	14.96	15.43	16.04	17.52	13.47	14.10	14.57	15.18	16.66
	3H	16.21	16.73	17.31	17.84	19.34	15.08	15.60	16.18	16.71	18.21
	4H	16.95	17.43	18.06	18.53	20.05	15.68	16.16	16.79	17.26	18.78
	6H	17.45	17.86	18.56	18.98	20.49	16.09	16.50	17.20	17.62	19.13
	8H	17.64	18.02	18.75	19.14	20.66	16.25	16.64	17.37	17.75	19.28
	12H	17.73	18.08	18.86	19.20	20.73	16.35	16.70	17.49	17.83	19.36
8H	4H	17.07	17.46	18.19	18.57	20.10	15.93	16.32	17.05	17.43	18.96
	6H	17.69	18.01	18.82	19.16	20.68	16.46	16.78	17.60	17.93	19.45
	8H	17.96	18.24	19.11	19.38	20.92	16.71	16.99	17.85	18.12	19.66
	12H	18.12	18.36	19.27	19.50	21.07	16.88	17.12	18.03	18.26	19.83
12H	4H	17.04	17.39	18.17	18.51	20.04	15.93	16.28	17.06	17.40	18.93
	6H	17.70	17.98	18.85	19.12	20.66	16.51	16.79	17.66	17.93	19.47
	8H	18.00	18.24	19.14	19.37	20.95	16.79	17.03	17.94	18.17	19.74