

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: P1438734

Luminaire Tested: CB2-085U-085D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438734
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-085U-085D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

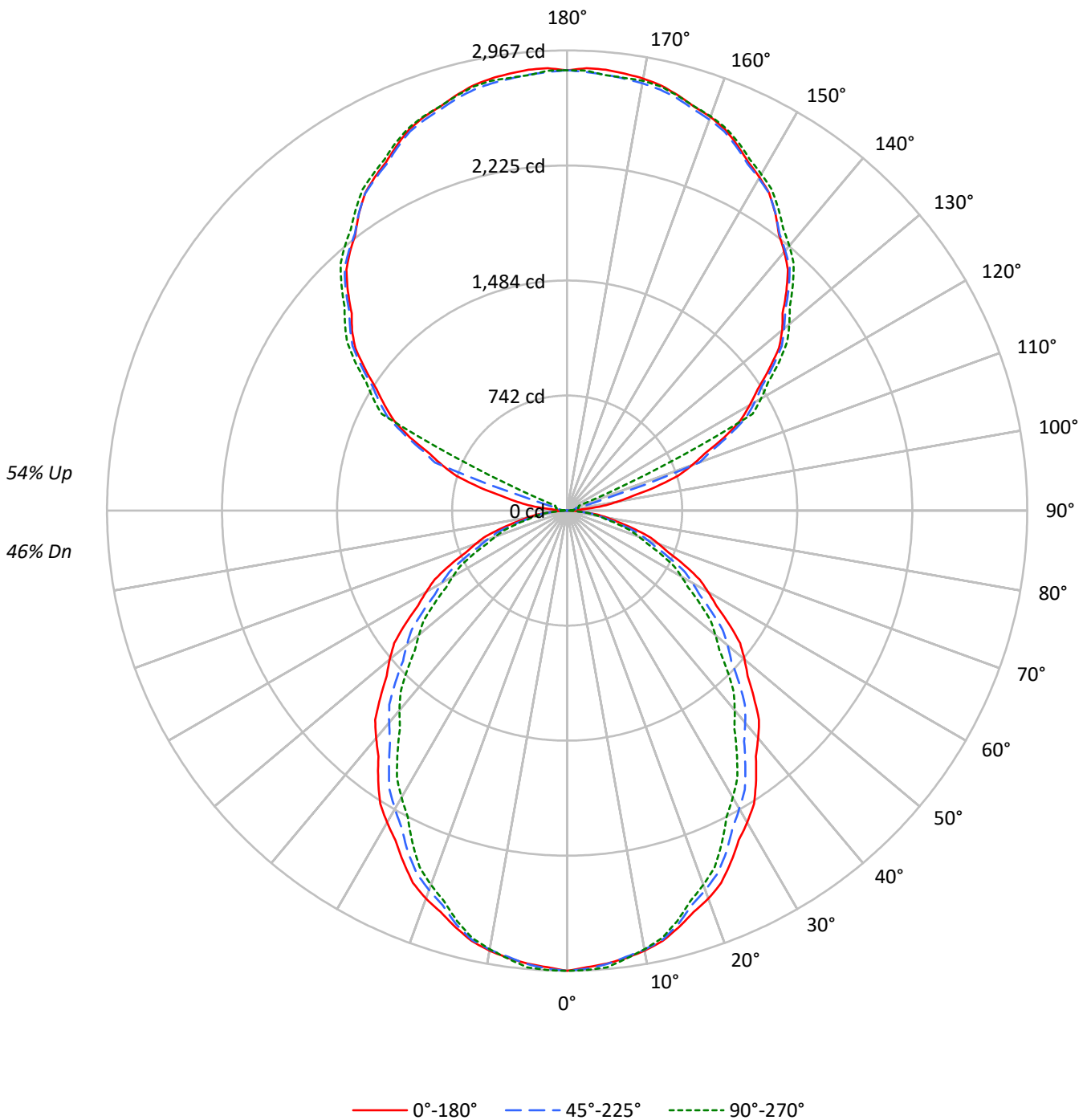
Lumens per Lamp: N/A
Luminaire Lumens: 15013.6 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 113.4
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

TEST NUMBER: P1438734

CATALOG NUMBER: CB2-085U-085D-930-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1438734

CATALOG NUMBER: CB2-085U-085D-930-1D-UNV-STD-W-8

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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	53	53	53	46
1	97	93	89	86	89	85	82	79	71	69	67	59	57	55	47	46	45	39
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	41	39	38	33
3	81	72	64	59	74	66	60	55	55	51	47	46	42	40	37	34	32	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	33	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	33	26	22	28	23	19	24	20	17	20	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25841	25841	25841
5°	25623	25662	25841
10°	25477	25417	25396
15°	25073	24909	24704
20°	24679	24131	23794
25°	24016	23338	22684
30°	23351	22322	21476
35°	22585	21281	20266
40°	21775	20302	19114
45°	20959	19281	17992
50°	20224	18285	16900
55°	19319	17248	15869
60°	18283	16264	14840
65°	17182	15168	13813
70°	15967	13943	12497
75°	14526	12615	11316
80°	12989	11053	10256
85°	9992	9083	7494

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20959 cd/sqm



TEST NUMBER: P1438734

CATALOG NUMBER: CB2-085U-085D-930-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.0	1.9
10°-20°	777.8	5.2
20°-30°	1118.4	7.4
30°-40°	1257.1	8.4
40°-50°	1214.3	8.1
50°-60°	1026.0	6.8
60°-70°	737.0	4.9
70°-80°	402.8	2.7
80°-90°	107.1	0.7
90°-100°	49.5	0.3
100°-110°	314.9	2.1
110°-120°	1000.4	6.7
120°-130°	1451.7	9.7
130°-140°	1561.3	10.4
140°-150°	1470.0	9.8
150°-160°	1197.5	8.0
160°-170°	779.4	5.2
170°-180°	269.4	1.8
0°-30°	2175.3	14.5
0°-40°	3432.4	22.9
0°-60°	5672.7	37.8
0°-90°	6919.6	46.1
90°-120°	1364.7	9.1
90°-150°	5847.6	38.9
90°-180°	8094.0	53.9
0°-180°	15013.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2967	2967	2967	2967	2967	
5°	2931	2971	2936	2936	2956	278
15°	2781	2805	2763	2736	2740	784
25°	2499	2502	2429	2374	2361	1151
35°	2124	2100	2002	1924	1906	1327
45°	1702	1666	1566	1483	1461	1315
55°	1272	1226	1136	1065	1045	1137
65°	834	803	736	684	670	827
75°	432	405	375	345	336	462
85°	100	93	91	79	75	119
90°	0	0	0	2	2	8
95°	113	33	35	22	20	143
105°	591	613	62	72	76	623
115°	1119	1143	1154	1167	669	1100
125°	1589	1617	1617	1645	1667	1420
135°	1999	2023	2020	2033	2059	1542
145°	2340	2358	2342	2345	2375	1463
155°	2598	2615	2586	2581	2617	1198
165°	2771	2779	2750	2739	2767	783
175°	2853	2859	2822	2804	2818	271
180°	2839	2839	2839	2839	2839	

TEST NUMBER: P1438734

CATALOG NUMBER: CB2-085U-085D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2967.3	2967.3	2967.3	2967.3	2967.3
2.5°	2947.3	2982.9	2956.4	2960.2	2965.5
5°	2931.0	2971.0	2935.5	2936.0	2956.0
7.5°	2910.1	2947.8	2903.2	2895.0	2913.7
10°	2881.0	2918.7	2874.2	2858.6	2871.9
12.5°	2842.8	2878.8	2836.0	2811.3	2822.8
15°	2781.0	2805.4	2762.8	2735.7	2740.1
17.5°	2713.8	2728.9	2667.4	2644.6	2640.1
20°	2662.9	2676.2	2603.8	2571.9	2567.4
22.5°	2597.4	2609.0	2532.9	2493.7	2487.5
25°	2499.3	2501.5	2428.8	2374.0	2360.7
27.5°	2396.6	2389.5	2308.9	2244.0	2226.6
30°	2322.1	2313.2	2219.8	2151.3	2135.7
32.5°	2242.1	2226.1	2132.6	2058.6	2043.0
35°	2124.4	2099.9	2001.7	1924.0	1906.3
37.5°	1999.0	1971.4	1874.9	1790.4	1770.4
40°	1915.4	1884.3	1785.8	1701.3	1681.3
42.5°	1831.7	1797.1	1696.8	1612.2	1590.4
45°	1701.8	1666.2	1565.5	1483.2	1460.9
47.5°	1578.2	1532.9	1435.0	1353.2	1331.0
50°	1492.7	1443.9	1349.6	1269.6	1247.4
52.5°	1405.5	1354.8	1264.2	1187.8	1165.6
55°	1272.4	1225.7	1136.0	1065.1	1045.2
57.5°	1140.6	1095.7	1013.8	946.1	926.5
60°	1049.7	1011.9	933.8	869.8	852.0
62.5°	962.4	928.2	853.8	795.3	777.5
65°	833.8	802.7	736.1	683.6	670.3
67.5°	708.9	677.8	623.9	576.8	561.7
70°	627.1	596.0	547.6	504.1	490.8
72.5°	548.9	516.1	476.7	436.9	427.1
75°	431.7	405.0	374.9	345.2	336.3
77.5°	328.1	302.3	280.4	259.4	257.2
80°	259.0	236.8	220.4	206.7	204.5
82.5°	193.6	176.7	165.9	155.9	155.4
85°	100.0	93.3	90.9	79.4	75.0
87.5°	29.1	29.1	25.4	22.2	22.2
90°	0.0	0.0	0.0	2.1	2.1
92.5°	31.2	11.9	8.2	11.9	11.9
95°	112.9	32.6	34.9	22.5	20.5
97.5°	234.4	52.6	50.5	55.5	57.5
100°	326.4	107.6	55.4	63.7	65.7
102.5°	428.2	405.3	57.1	68.6	72.2
105°	591.1	613.2	61.6	71.9	75.9
107.5°	751.2	773.3	286.5	74.4	78.4
110°	858.0	880.0	907.2	76.0	80.0

TEST NUMBER: P1438734

CATALOG NUMBER: CB2-085U-085D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	958.1	985.0	1005.7	169.2	83.3
115°	1118.6	1142.7	1153.5	1166.8	669.1
117.5°	1260.3	1290.0	1302.1	1325.2	1347.7
120°	1358.8	1386.9	1395.7	1418.8	1442.9
122.5°	1455.7	1480.5	1486.0	1512.4	1534.9
125°	1588.7	1616.8	1617.4	1644.6	1666.7
127.5°	1721.7	1745.7	1744.6	1764.9	1789.4
130°	1810.3	1826.4	1826.7	1843.8	1869.9
132.5°	1884.2	1906.7	1907.2	1920.9	1947.0
135°	1999.2	2023.2	2019.7	2032.6	2058.7
137.5°	2107.1	2130.4	2124.0	2134.8	2161.7
140°	2177.7	2197.8	2188.0	2198.9	2229.0
142.5°	2243.4	2263.5	2248.7	2258.1	2289.8
145°	2339.9	2357.9	2341.9	2344.7	2374.8
147.5°	2425.7	2443.3	2424.0	2426.7	2454.8
150°	2481.5	2497.6	2473.3	2476.0	2504.1
152.5°	2530.8	2545.2	2519.3	2518.8	2551.7
155°	2598.5	2614.6	2586.2	2580.8	2617.0
157.5°	2660.1	2674.9	2646.5	2642.7	2670.7
160°	2701.1	2711.2	2682.7	2677.1	2705.2
162.5°	2729.0	2740.7	2712.2	2703.4	2731.5
165°	2770.9	2778.9	2750.4	2738.7	2766.8
167.5°	2807.0	2816.3	2779.5	2769.1	2799.2
170°	2828.4	2834.4	2797.6	2783.9	2814.0
172.5°	2841.5	2845.9	2809.1	2793.5	2814.0
175°	2853.0	2859.0	2822.2	2804.1	2818.1
177.5°	2855.1	2858.3	2830.4	2814.6	2838.6
180°	2838.6	2838.6	2838.6	2838.6	2838.6



TEST NUMBER: P1438734

CATALOG NUMBER: CB2-085U-085D-930-1D-UNV-STD-W-8

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	17.92	18.74	18.92	19.74	21.07	16.83	17.64	17.82	18.65	19.97
	3H	19.57	20.30	20.57	21.31	22.66	18.35	19.08	19.35	20.09	21.44
	4H	20.19	20.89	21.21	21.90	23.26	18.92	19.61	19.94	20.63	21.98
	6H	20.59	21.23	21.62	22.25	23.62	19.29	19.93	20.32	20.95	22.32
	8H	20.74	21.35	21.77	22.38	23.75	19.43	20.04	20.46	21.07	22.44
	12H	20.81	21.39	21.85	22.42	23.81	19.49	20.07	20.53	21.10	22.49
4H	2H	18.33	19.02	19.35	20.04	21.39	17.45	18.15	18.48	19.16	20.52
	3H	20.19	20.77	21.23	21.82	23.18	19.19	19.76	20.22	20.81	22.18
	4H	20.94	21.47	21.98	22.50	23.89	19.86	20.39	20.90	21.42	22.81
	6H	21.46	21.91	22.50	22.97	24.36	20.33	20.78	21.38	21.84	23.23
	8H	21.66	22.08	22.71	23.13	24.54	20.52	20.94	21.57	21.99	23.40
	12H	21.76	22.15	22.83	23.21	24.62	20.61	20.99	21.67	22.05	23.46
8H	4H	21.09	21.52	22.14	22.57	23.97	20.13	20.55	21.18	21.60	23.01
	6H	21.73	22.08	22.80	23.17	24.58	20.73	21.08	21.80	22.17	23.57
	8H	22.02	22.33	23.10	23.41	24.83	21.00	21.31	22.08	22.39	23.81
	12H	22.19	22.46	23.28	23.54	25.00	21.15	21.42	22.24	22.50	23.96
12H	4H	21.07	21.45	22.14	22.52	23.93	20.13	20.51	21.20	21.58	22.99
	6H	21.76	22.07	22.84	23.14	24.56	20.79	21.10	21.87	22.18	23.60
	8H	22.07	22.35	23.16	23.42	24.88	21.10	21.37	22.18	22.44	23.90