

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: P1438748

Luminaire Tested: CB2-085U-120D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438748
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-120D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

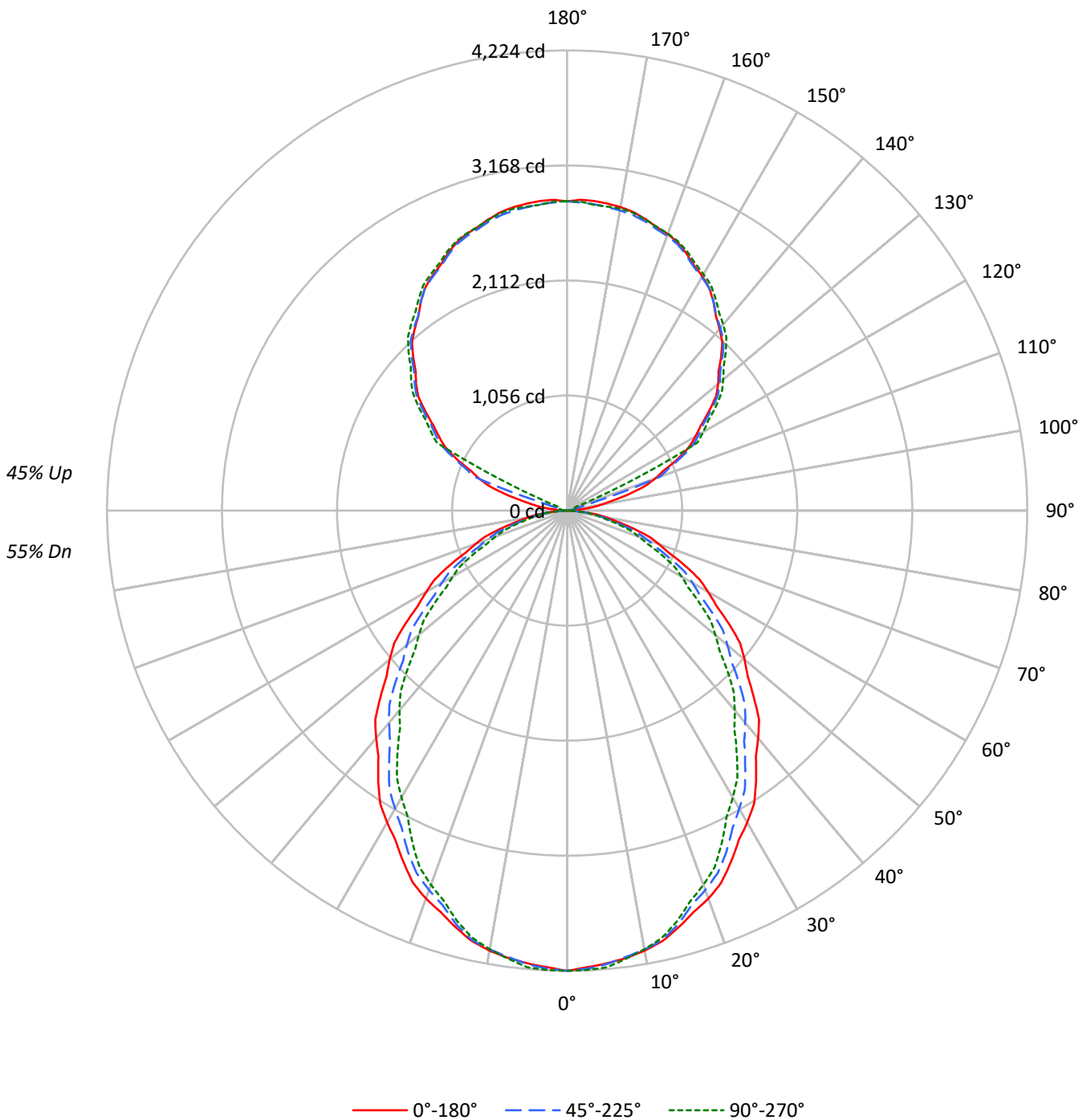
Lumens per Lamp: N/A
Luminaire Lumens: 17944.4 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 146
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			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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	99	95	91	87	92	88	85	82	76	73	71	64	63	61	54	53	52	47
2	90	83	77	72	84	77	72	67	67	63	59	57	54	51	48	46	44	39
3	83	73	66	60	76	68	62	57	59	54	50	50	47	44	42	40	37	34
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	32	29
5	70	58	50	44	64	54	47	42	47	41	37	41	36	33	34	31	28	25
6	64	52	44	38	59	49	42	36	43	37	33	37	32	29	31	28	25	22
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	22	20
8	55	43	35	30	51	40	33	28	35	30	26	31	26	23	26	23	20	18
9	51	39	32	27	48	37	30	25	32	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	36786	36786	36786
5°	36475	36532	36786
10°	36267	36181	36153
15°	35693	35459	35168
20°	35131	34351	33872
25°	34187	33224	32291
30°	33241	31777	30573
35°	32151	30294	28850
40°	30997	28901	27210
45°	29837	27446	25613
50°	28790	26029	24058
55°	27501	24554	22589
60°	26027	23153	21125
65°	24460	21594	19661
70°	22730	19848	17788
75°	20677	17958	16107
80°	18491	15732	14599
85°	14219	12930	10662

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29837 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.2	2.2
10°-20°	1107.3	6.2
20°-30°	1592.1	8.9
30°-40°	1789.5	10.0
40°-50°	1728.7	9.6
50°-60°	1460.6	8.1
60°-70°	1049.1	5.8
70°-80°	573.4	3.2
80°-90°	152.4	0.8
90°-100°	49.5	0.3
100°-110°	314.9	1.8
110°-120°	1000.4	5.6
120°-130°	1451.7	8.1
130°-140°	1561.3	8.7
140°-150°	1470.0	8.2
150°-160°	1197.5	6.7
160°-170°	779.4	4.3
170°-180°	269.4	1.5
0°-30°	3096.7	17.3
0°-40°	4886.2	27.2
0°-60°	8075.4	45.0
0°-90°	9850.4	54.9
90°-120°	1364.7	7.6
90°-150°	5847.6	32.6
90°-180°	8094.0	45.1
0°-180°	17944.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4224	4224	4224	4224	4224	
5°	4172	4229	4179	4180	4208	396
15°	3959	3994	3933	3894	3901	1116
25°	3558	3561	3458	3380	3360	1638
35°	3024	2989	2850	2739	2714	1889
45°	2423	2372	2228	2111	2080	1872
55°	1811	1745	1617	1516	1488	1619
65°	1187	1143	1048	973	954	1177
75°	614	577	534	491	479	657
85°	142	133	129	113	107	169
90°	0	0	0	2	2	10
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4224.1	4224.1	4224.1	4224.1	4224.1
2.5°	4195.7	4246.3	4208.6	4214.0	4221.5
5°	4172.4	4229.3	4178.9	4179.5	4208.0
7.5°	4142.6	4196.4	4132.9	4121.2	4147.8
10°	4101.2	4155.0	4091.5	4069.3	4088.3
12.5°	4046.9	4098.1	4037.2	4002.0	4018.4
15°	3958.9	3993.7	3933.0	3894.4	3900.7
17.5°	3863.2	3884.7	3797.2	3764.7	3758.4
20°	3790.7	3809.7	3706.6	3661.2	3654.9
22.5°	3697.6	3714.0	3605.7	3549.9	3541.0
25°	3557.8	3561.0	3457.6	3379.5	3360.5
27.5°	3411.7	3401.5	3286.8	3194.4	3169.7
30°	3305.6	3292.9	3160.0	3062.5	3040.3
32.5°	3191.7	3168.9	3035.8	2930.5	2908.4
35°	3024.2	2989.4	2849.5	2739.0	2713.7
37.5°	2845.6	2806.4	2669.0	2548.7	2520.2
40°	2726.6	2682.3	2542.2	2421.9	2393.5
42.5°	2607.6	2558.2	2415.5	2295.1	2264.1
45°	2422.6	2372.0	2228.5	2111.3	2079.7
47.5°	2246.6	2182.1	2042.9	1926.3	1894.7
50°	2125.0	2055.4	1921.2	1807.3	1775.7
52.5°	2000.8	1928.7	1799.6	1690.9	1659.2
55°	1811.3	1744.9	1617.2	1516.3	1487.8
57.5°	1623.7	1559.8	1443.2	1346.8	1319.0
60°	1494.3	1440.5	1329.3	1238.2	1212.9
62.5°	1370.1	1321.4	1215.5	1132.1	1106.8
65°	1187.0	1142.8	1047.9	973.1	954.1
67.5°	1009.1	964.9	888.2	821.1	799.5
70°	892.7	848.4	779.5	717.6	698.6
72.5°	781.4	734.6	678.6	622.0	608.1
75°	614.5	576.6	533.7	491.3	478.7
77.5°	467.0	430.4	399.1	369.3	366.1
80°	368.7	337.1	313.7	294.3	291.1
82.5°	275.6	251.5	236.1	221.9	221.2
85°	142.3	132.8	129.4	113.1	106.7
87.5°	41.4	41.4	36.2	31.5	31.5
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

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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



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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	19.97	20.86	20.88	21.80	23.00	18.87	19.76	19.79	20.70	21.90
	3H	21.62	22.42	22.54	23.36	24.58	20.40	21.20	21.33	22.14	23.37
	4H	22.25	23.00	23.19	23.95	25.18	20.97	21.73	21.92	22.68	23.91
	6H	22.65	23.35	23.60	24.30	25.55	21.35	22.04	22.30	23.00	24.24
	8H	22.80	23.46	23.76	24.43	25.68	21.49	22.15	22.45	23.12	24.37
	12H	22.87	23.51	23.84	24.47	25.74	21.55	22.18	22.52	23.15	24.42
4H	2H	20.38	21.14	21.33	22.09	23.32	19.51	20.26	20.46	21.21	22.45
	3H	22.25	22.89	23.21	23.86	25.11	21.25	21.88	22.20	22.85	24.10
	4H	23.00	23.58	23.97	24.55	25.82	21.92	22.50	22.89	23.47	24.74
	6H	23.52	24.02	24.50	25.01	26.29	22.40	22.89	23.38	23.89	25.16
	8H	23.73	24.19	24.71	25.18	26.47	22.59	23.05	23.57	24.04	25.33
	12H	23.84	24.25	24.84	25.26	26.55	22.68	23.10	23.68	24.10	25.39
8H	4H	23.16	23.62	24.14	24.61	25.90	22.20	22.66	23.18	23.65	24.93
	6H	23.80	24.19	24.81	25.22	26.50	22.80	23.19	23.81	24.22	25.50
	8H	24.09	24.43	25.11	25.45	26.75	23.08	23.42	24.09	24.43	25.74
	12H	24.27	24.57	25.29	25.58	26.93	23.23	23.53	24.25	24.54	25.89
12H	4H	23.14	23.56	24.14	24.57	25.86	22.20	22.62	23.20	23.62	24.92
	6H	23.83	24.17	24.85	25.19	26.49	22.86	23.20	23.88	24.22	25.52
	8H	24.15	24.45	25.17	25.46	26.81	23.17	23.47	24.19	24.48	25.83