

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: P1439582

Luminaire Tested: CB3-D-085U-085D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439582
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-085U-085D-935-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

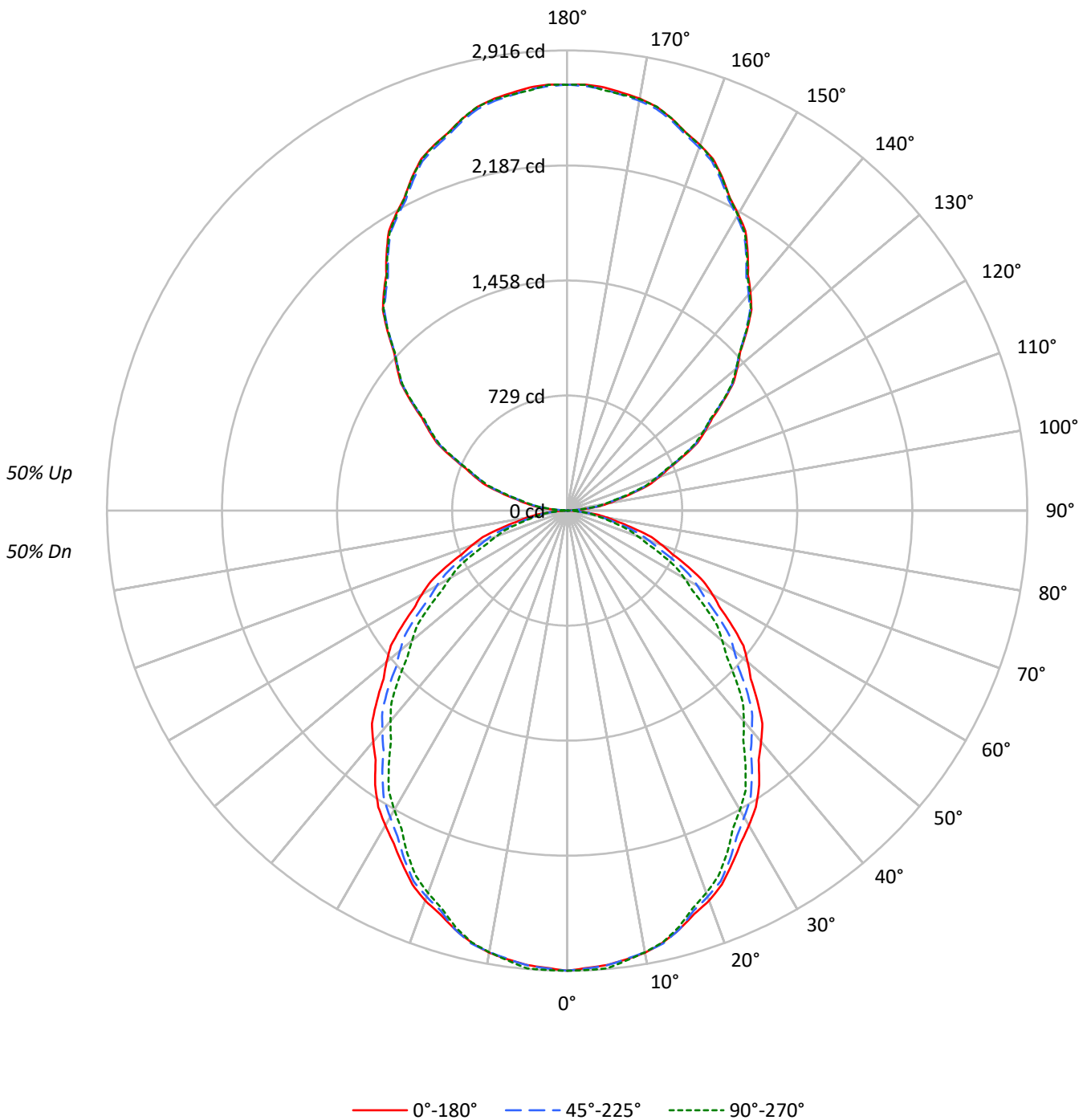
Lumens per Lamp: N/A
Luminaire Lumens: 13932.7 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 108.3
Input Voltage (V): 120
Input Current (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

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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50																				
1	98	94	90	86	90	87	83	80	73	71	69	61	60	58	50	49	48	43																				
2	89	82	76	71	82	76	71	66	65	61	57	54	51	49	44	42	41	36																				
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35	31																				
4	75	64	56	50	69	59	53	47	51	46	41	43	39	36	35	32	30	26																				
5	69	57	49	43	63	53	46	41	46	40	36	38	34	31	32	29	26	23																				
6	63	51	43	38	58	48	41	35	41	35	31	35	30	27	29	26	23	20																				
7	59	46	39	33	54	43	36	31	37	32	28	32	27	24	26	23	21	18																				
8	54	42	34	29	50	39	32	28	34	29	25	29	25	22	24	21	19	16																				
9	51	39	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	15																				
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	13																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16496	16496	16496
5°	16418	16429	16535
10°	16346	16322	16322
15°	16096	16096	15999
20°	15835	15673	15523
25°	15424	15230	14959
30°	15046	14654	14302
35°	14649	14106	13606
40°	14121	13449	12868
45°	13643	12864	12070
50°	13150	12167	11292
55°	12614	11492	10553
60°	12035	10794	9717
65°	11358	10001	8836
70°	10576	9071	7873
75°	9589	7961	7012
80°	8360	6675	6203
85°	6446	5641	5641

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13643 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.1	2.0
10°-20°	772.9	5.5
20°-30°	1122.4	8.1
30°-40°	1275.8	9.2
40°-50°	1238.5	8.9
50°-60°	1045.7	7.5
60°-70°	744.0	5.3
70°-80°	397.5	2.9
80°-90°	105.0	0.8
90°-100°	114.0	0.8
100°-110°	446.2	3.2
110°-120°	795.3	5.7
120°-130°	1076.2	7.7
130°-140°	1237.3	8.9
140°-150°	1241.5	8.9
150°-160°	1067.7	7.7
160°-170°	722.7	5.2
170°-180°	254.9	1.8
0°-30°	2170.4	15.6
0°-40°	3446.2	24.7
0°-60°	5730.4	41.1
0°-90°	6976.9	50.1
90°-120°	1355.5	9.7
90°-150°	4910.5	35.2
90°-180°	6956.0	49.9
0°-180°	13932.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2916	2916	2916	2916	2916	
5°	2891	2927	2893	2889	2912	274
15°	2748	2772	2748	2732	2732	774
25°	2471	2479	2440	2406	2396	1139
35°	2121	2101	2042	1982	1970	1322
45°	1705	1679	1608	1531	1509	1315
55°	1279	1244	1165	1090	1070	1143
65°	848	818	747	680	660	840
75°	439	414	364	327	321	468
85°	99	91	87	87	87	118
90°	0	0	0	0	0	8
95°	110	100	89	83	85	125
105°	432	430	416	410	406	462
115°	811	815	797	795	793	804
125°	1208	1223	1198	1194	1196	1081
135°	1610	1626	1600	1588	1604	1241
145°	1995	2011	1978	1968	1987	1247
155°	2328	2348	2310	2300	2324	1071
165°	2570	2592	2558	2544	2570	724
175°	2692	2717	2680	2664	2674	255
180°	2698	2698	2698	2698	2698	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2915.8	2915.8	2915.8	2915.8	2915.8
2.5°	2900.9	2930.0	2904.2	2907.7	2914.1
5°	2891.0	2927.4	2893.0	2889.4	2911.7
7.5°	2868.6	2901.8	2866.1	2857.9	2876.1
10°	2845.4	2881.9	2841.3	2831.2	2841.3
12.5°	2804.1	2842.1	2809.8	2793.1	2801.6
15°	2748.2	2772.5	2748.2	2731.6	2731.6
17.5°	2679.9	2705.4	2659.6	2647.9	2643.1
20°	2630.2	2652.5	2603.3	2586.6	2578.5
22.5°	2564.0	2584.6	2543.7	2513.7	2505.6
25°	2470.9	2479.0	2439.8	2406.5	2396.4
27.5°	2379.4	2381.4	2327.7	2287.2	2273.9
30°	2303.3	2305.3	2243.2	2199.6	2189.4
32.5°	2227.1	2221.0	2162.1	2110.2	2103.3
35°	2121.1	2100.9	2042.5	1982.2	1970.1
37.5°	1993.3	1981.1	1912.1	1851.7	1833.5
40°	1912.1	1891.9	1821.1	1760.7	1742.4
42.5°	1831.0	1807.5	1735.0	1667.9	1648.1
45°	1705.2	1678.9	1607.9	1530.9	1508.6
47.5°	1578.5	1549.8	1471.8	1397.1	1372.4
50°	1494.1	1463.8	1382.4	1309.3	1283.0
52.5°	1408.0	1376.1	1294.6	1220.1	1198.6
55°	1278.9	1244.5	1165.1	1090.1	1069.9
57.5°	1149.8	1115.8	1036.8	965.9	941.6
60°	1063.7	1031.3	954.0	883.1	858.8
62.5°	975.9	945.2	869.6	800.3	777.7
65°	848.5	818.1	747.1	680.4	660.1
67.5°	722.2	696.3	626.2	565.0	548.8
70°	639.4	615.2	548.4	492.2	476.0
72.5°	560.0	534.1	470.6	422.7	411.4
75°	438.7	414.4	364.2	326.8	320.8
77.5°	327.8	308.0	264.5	243.3	240.1
80°	256.6	238.4	204.9	190.4	190.4
82.5°	190.4	175.4	153.6	147.3	147.3
85°	99.3	91.2	86.9	86.9	86.9
87.5°	29.8	29.8	28.1	26.5	26.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	29.8	26.6	16.6	13.2	13.2
95°	109.7	99.6	89.0	82.8	84.8
97.5°	202.4	192.7	179.6	173.5	175.1
100°	267.0	258.9	244.2	238.0	238.0
102.5°	329.9	325.0	310.4	304.2	305.9
105°	432.5	430.5	416.0	409.7	405.6
107.5°	545.9	542.3	526.0	525.5	521.9
110°	618.8	616.7	602.2	600.1	598.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	693.3	696.1	680.0	677.9	675.9
115°	811.2	815.3	796.7	794.6	792.6
117.5°	932.1	937.7	918.0	915.8	912.2
120°	1009.9	1022.0	997.5	995.3	993.3
122.5°	1089.3	1099.9	1076.9	1073.2	1072.8
125°	1208.5	1222.7	1198.2	1194.1	1196.1
127.5°	1327.7	1342.3	1319.5	1311.3	1315.7
130°	1407.2	1423.4	1398.9	1390.8	1396.9
132.5°	1488.3	1504.5	1480.0	1472.0	1481.3
135°	1610.0	1626.2	1599.7	1587.6	1603.8
137.5°	1728.8	1742.9	1713.9	1705.6	1722.6
140°	1806.6	1820.8	1790.0	1780.2	1800.4
142.5°	1882.7	1898.5	1864.5	1854.7	1876.5
145°	1994.9	2011.1	1978.4	1968.4	1986.6
147.5°	2102.5	2119.1	2086.0	2074.4	2093.0
150°	2168.7	2187.0	2152.2	2142.3	2162.5
152.5°	2233.3	2253.1	2216.8	2205.3	2230.4
155°	2328.1	2348.3	2309.5	2299.7	2323.9
157.5°	2413.3	2432.0	2396.8	2386.9	2408.0
160°	2464.7	2484.9	2448.1	2438.3	2462.6
162.5°	2509.4	2529.6	2496.1	2483.0	2507.3
165°	2570.2	2592.5	2557.8	2543.9	2570.2
167.5°	2621.1	2645.0	2608.3	2595.6	2621.9
170°	2650.9	2673.2	2636.4	2620.5	2646.8
172.5°	2670.8	2693.0	2656.3	2640.2	2658.4
175°	2692.3	2716.6	2679.9	2663.6	2673.7
177.5°	2701.8	2721.2	2691.9	2677.5	2700.2
180°	2698.5	2698.5	2698.5	2698.5	2698.5



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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	16.89	17.74	17.85	18.72	19.99	15.81	16.67	16.77	17.64	18.91
	3H	18.56	19.32	19.53	20.30	21.60	17.23	17.99	18.20	18.97	20.26
	4H	19.19	19.91	20.17	20.89	22.20	17.74	18.47	18.73	19.45	20.75
	6H	19.57	20.24	20.57	21.23	22.54	18.06	18.73	19.06	19.72	21.03
	8H	19.71	20.34	20.71	21.35	22.66	18.18	18.82	19.18	19.82	21.13
	12H	19.78	20.38	20.78	21.38	22.71	18.26	18.86	19.26	19.86	21.20
4H	2H	17.30	18.02	18.29	19.01	20.31	16.44	17.16	17.43	18.15	19.45
	3H	19.19	19.79	20.19	20.80	22.12	18.06	18.66	19.06	19.67	20.99
	4H	19.94	20.49	20.94	21.49	22.83	18.66	19.21	19.67	20.22	21.56
	6H	20.44	20.91	21.46	21.94	23.28	19.08	19.55	20.09	20.58	21.92
	8H	20.63	21.07	21.65	22.09	23.45	19.25	19.69	20.27	20.71	22.06
	12H	20.73	21.12	21.76	22.16	23.52	19.35	19.75	20.39	20.79	22.15
8H	4H	20.06	20.51	21.08	21.53	22.88	18.93	19.37	19.95	20.39	21.74
	6H	20.68	21.05	21.73	22.11	23.46	19.45	19.82	20.50	20.88	22.23
	8H	20.96	21.28	22.01	22.33	23.70	19.71	20.03	20.76	21.08	22.45
	12H	21.12	21.40	22.18	22.45	23.86	19.88	20.16	20.94	21.21	22.62
12H	4H	20.04	20.44	21.08	21.47	22.83	18.93	19.33	19.97	20.36	21.72
	6H	20.70	21.02	21.75	22.07	23.44	19.51	19.83	20.56	20.88	22.25
	8H	21.00	21.28	22.05	22.33	23.74	19.79	20.07	20.85	21.12	22.53