

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: P1439254

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439254
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-930-1D-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

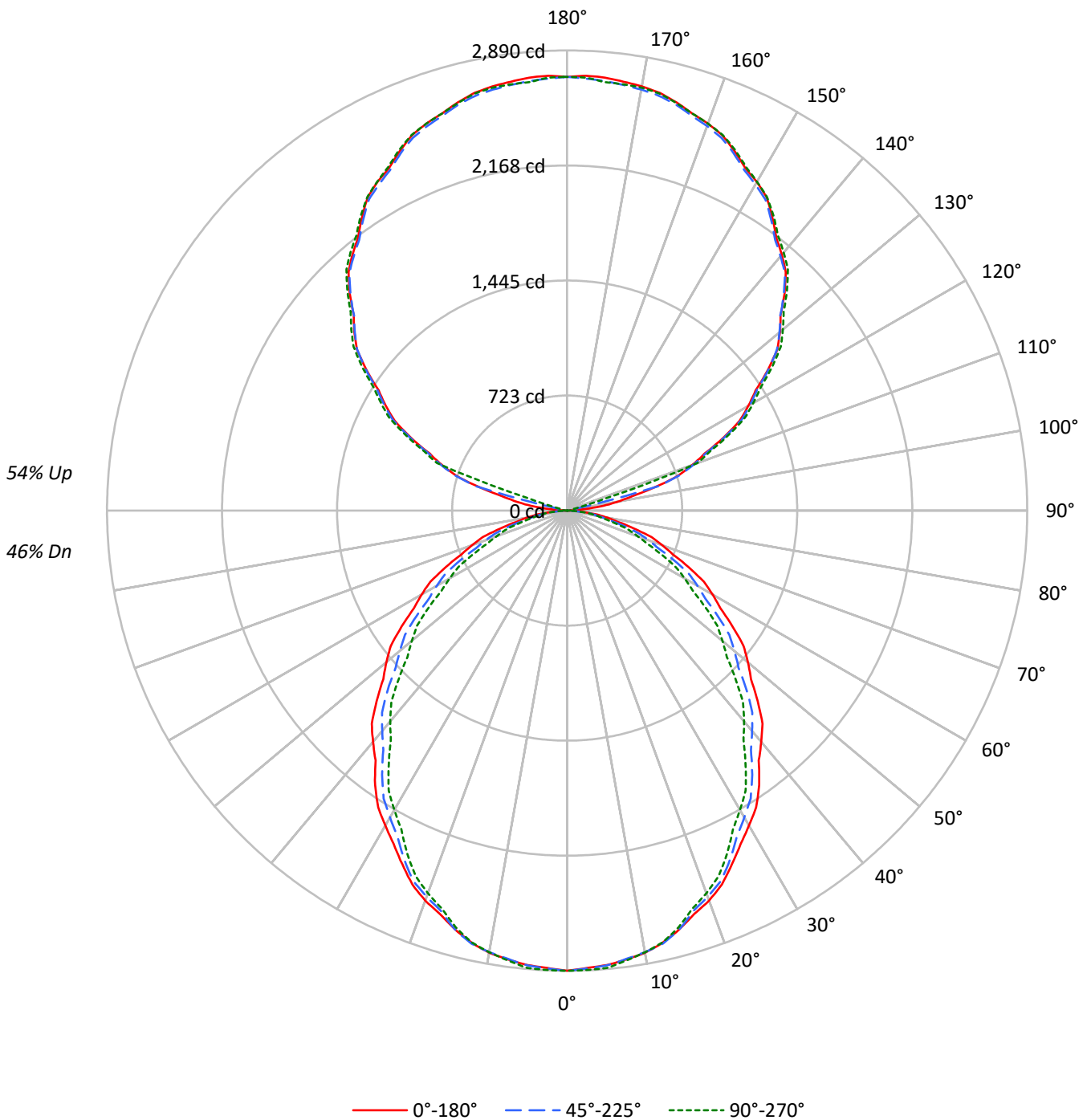
Lumens per Lamp: N/A
Luminaire Lumens: 14957.3 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

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					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	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°	16350	16350	16350
5°	16272	16284	16377
10°	16201	16177	16177
15°	15952	15952	15856
20°	15693	15533	15396
25°	15298	15105	14836
30°	14923	14534	14186
35°	14529	13991	13495
40°	14006	13339	12763
45°	13531	12759	11971
50°	13042	12067	11200
55°	12511	11398	10467
60°	11937	10706	9638
65°	11265	9919	8765
70°	10490	8997	7809
75°	9510	7895	6953
80°	8291	6620	6151
85°	6394	5595	5595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13531 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.7	1.8
10°-20°	766.1	5.1
20°-30°	1113.0	7.4
30°-40°	1265.4	8.5
40°-50°	1228.4	8.2
50°-60°	1037.1	6.9
60°-70°	737.9	4.9
70°-80°	394.2	2.6
80°-90°	104.3	0.7
90°-100°	62.9	0.4
100°-110°	455.5	3.0
110°-120°	1083.0	7.2
120°-130°	1383.6	9.3
130°-140°	1492.4	10.0
140°-150°	1406.9	9.4
150°-160°	1147.7	7.7
160°-170°	747.8	5.0
170°-180°	258.5	1.7
0°-30°	2151.7	14.4
0°-40°	3417.1	22.8
0°-60°	5682.6	38.0
0°-90°	6919.0	46.3
90°-120°	1601.4	10.7
90°-150°	5884.2	39.3
90°-180°	8038.0	53.7
0°-180°	14957.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2890	2890	2890	2890	2890	
5°	2865	2901	2867	2864	2884	272
15°	2724	2748	2724	2707	2707	767
25°	2451	2459	2420	2387	2377	1129
35°	2104	2084	2026	1966	1954	1311
45°	1691	1665	1595	1518	1496	1305
55°	1268	1234	1156	1081	1061	1134
65°	842	811	741	675	655	834
75°	435	411	361	324	318	464
85°	98	90	86	86	86	117
90°	0	0	0	2	0	8
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2890.0	2890.0	2890.0	2890.0	2890.0
2.5°	2875.2	2904.1	2878.5	2881.9	2888.3
5°	2865.3	2901.4	2867.4	2863.7	2883.8
7.5°	2843.2	2876.1	2840.7	2832.5	2850.5
10°	2820.2	2856.3	2816.1	2806.0	2816.1
12.5°	2779.1	2816.8	2784.9	2768.2	2776.7
15°	2723.7	2747.8	2723.7	2707.3	2707.3
17.5°	2656.0	2681.3	2635.9	2624.3	2619.8
20°	2606.7	2628.8	2580.0	2563.5	2557.4
22.5°	2541.0	2561.5	2520.9	2492.8	2485.2
25°	2450.7	2458.7	2419.9	2386.9	2376.8
27.5°	2360.0	2362.0	2308.7	2268.6	2255.3
30°	2284.5	2286.5	2224.9	2181.6	2171.6
32.5°	2208.9	2202.9	2144.5	2093.0	2086.2
35°	2103.8	2083.8	2025.8	1966.0	1954.0
37.5°	1977.0	1965.0	1896.5	1836.6	1818.5
40°	1896.5	1876.5	1806.2	1746.3	1728.2
42.5°	1816.1	1792.8	1720.8	1654.3	1634.6
45°	1691.3	1665.2	1594.8	1518.4	1496.3
47.5°	1565.7	1537.2	1459.8	1385.7	1361.2
50°	1481.9	1451.8	1371.1	1298.7	1272.6
52.5°	1396.5	1364.8	1284.1	1210.1	1188.8
55°	1268.5	1234.3	1155.6	1081.2	1061.2
57.5°	1140.4	1106.7	1028.3	958.0	933.9
60°	1055.0	1022.9	946.2	875.9	851.8
62.5°	968.0	937.5	862.5	793.8	771.3
65°	841.5	811.4	741.0	674.8	654.8
67.5°	716.3	690.6	621.1	560.4	544.3
70°	634.2	610.1	543.9	488.1	472.1
72.5°	555.4	529.7	466.7	419.3	408.0
75°	435.1	411.1	361.2	324.2	318.1
77.5°	325.1	305.5	262.3	241.3	238.1
80°	254.5	236.5	203.2	188.8	188.8
82.5°	188.8	174.0	152.3	146.1	146.1
85°	98.5	90.5	86.2	86.2	86.2
87.5°	29.6	29.6	27.9	26.7	26.3
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

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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	16.50	17.32	17.49	18.32	19.64	15.42	16.24	16.41	17.24	18.57
	3H	18.16	18.90	19.16	19.91	21.25	16.83	17.57	17.83	18.58	19.92
	4H	18.79	19.49	19.81	20.50	21.85	17.35	18.04	18.36	19.05	20.41
	6H	19.17	19.81	20.20	20.83	22.20	17.66	18.30	18.69	19.32	20.69
	8H	19.31	19.92	20.34	20.95	22.32	17.78	18.39	18.81	19.43	20.79
	12H	19.38	19.95	20.41	20.98	22.37	17.86	18.44	18.89	19.46	20.85
4H	2H	16.90	17.60	17.92	18.61	19.96	16.04	16.74	17.06	17.75	19.11
	3H	18.79	19.37	19.82	20.41	21.78	17.66	18.24	18.69	19.28	20.65
	4H	19.54	20.06	20.57	21.10	22.49	18.26	18.79	19.30	19.83	21.22
	6H	20.04	20.49	21.08	21.55	22.93	18.67	19.13	19.72	20.19	21.57
	8H	20.23	20.65	21.27	21.70	23.10	18.84	19.27	19.89	20.32	21.72
	12H	20.32	20.70	21.39	21.77	23.18	18.95	19.33	20.01	20.39	21.80
8H	4H	19.66	20.09	20.71	21.14	22.54	18.52	18.95	19.57	20.00	21.40
	6H	20.28	20.63	21.35	21.72	23.12	19.05	19.40	20.12	20.49	21.89
	8H	20.55	20.86	21.63	21.94	23.36	19.30	19.61	20.38	20.68	22.10
	12H	20.72	20.99	21.80	22.06	23.52	19.48	19.75	20.56	20.82	22.28
12H	4H	19.63	20.02	20.70	21.08	22.49	18.52	18.91	19.59	19.97	21.38
	6H	20.29	20.60	21.37	21.68	23.10	19.11	19.41	20.18	20.49	21.91
	8H	20.59	20.86	21.67	21.93	23.39	19.39	19.66	20.47	20.73	22.19