

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: P1439572

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439572
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-055D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

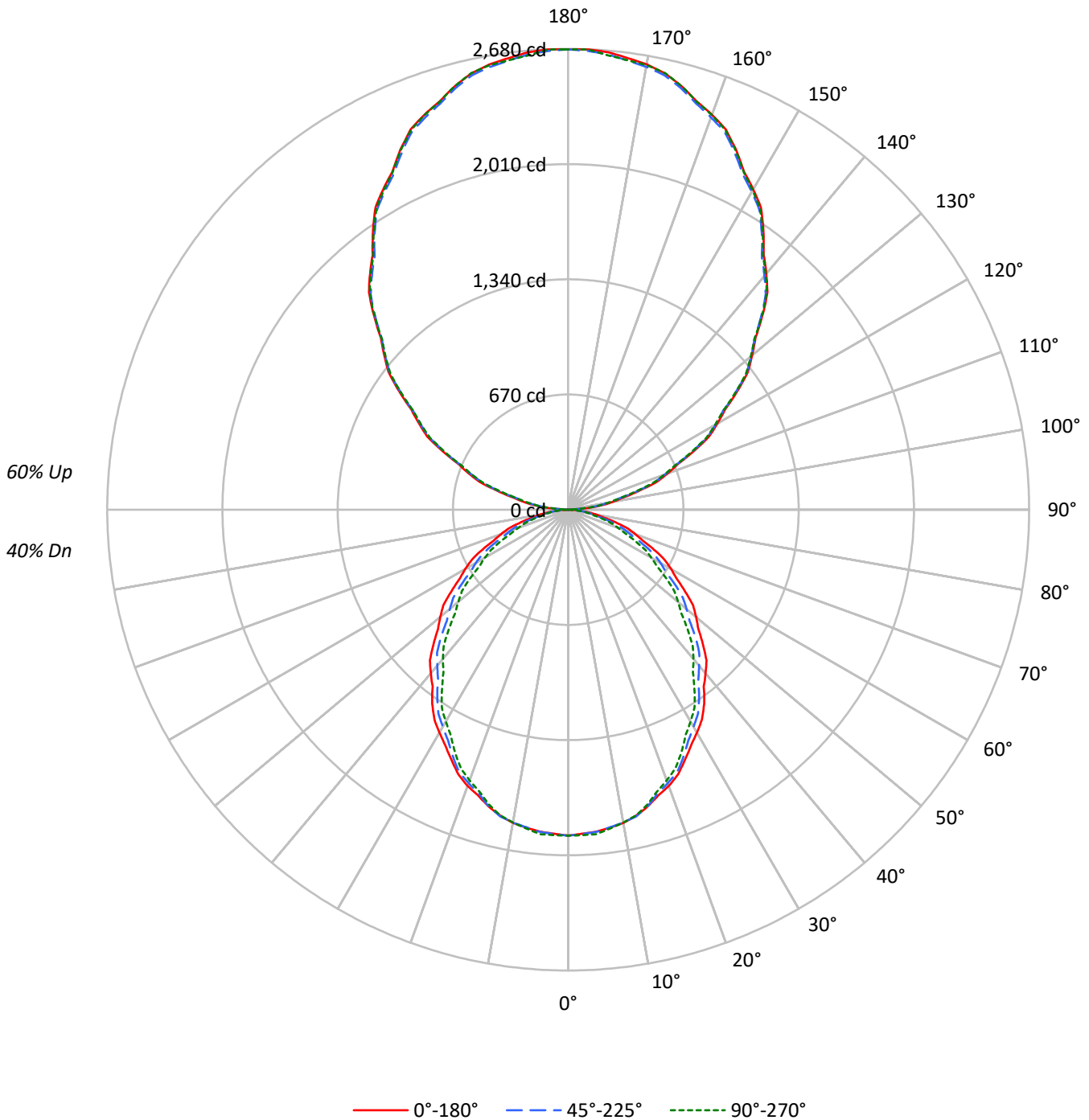
Lumens per Lamp: N/A
Luminaire Lumens: 11432.9 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

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

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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	105	105	105	105	95	95	95	95	78	78	78	61	61	61	47	47	47	40																				
1	96	91	88	84	87	83	80	77	68	66	64	54	53	51	41	40	40	34																				
2	87	80	74	69	79	73	68	64	60	56	53	48	45	43	37	35	34	28																				
3	80	70	63	58	72	64	58	53	53	48	45	42	39	37	33	30	29	24																				
4	73	62	55	49	66	57	50	45	47	42	38	38	34	31	29	27	25	21																				
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22	18																				
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16																				
7	57	45	37	32	52	41	34	30	34	29	25	28	24	21	22	19	17	14																				
8	53	41	33	28	48	37	31	26	31	26	22	26	22	19	20	17	15	13																				
9	49	37	30	25	45	34	28	23	29	24	20	23	20	17	19	16	14	12																				
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	11																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10723	10723	10723
5°	10672	10680	10752
10°	10626	10610	10610
15°	10463	10463	10400
20°	10294	10188	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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.8	1.6
10°-20°	502.4	4.4
20°-30°	729.4	6.4
30°-40°	829.0	7.3
40°-50°	804.8	7.0
50°-60°	679.5	5.9
60°-70°	483.4	4.2
70°-80°	258.3	2.3
80°-90°	68.2	0.6
90°-100°	113.1	1.0
100°-110°	442.6	3.9
110°-120°	788.8	6.9
120°-130°	1067.4	9.3
130°-140°	1227.2	10.7
140°-150°	1231.4	10.8
150°-160°	1059.0	9.3
160°-170°	716.8	6.3
170°-180°	252.8	2.2
0°-30°	1410.7	12.3
0°-40°	2239.7	19.6
0°-60°	3724.0	32.6
0°-90°	4533.9	39.7
90°-120°	1344.4	11.8
90°-150°	4870.4	42.6
90°-180°	6899.0	60.3
0°-180°	11432.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1895	1895	1895	1895	1895	
5°	1879	1903	1881	1878	1893	178
15°	1786	1802	1786	1776	1776	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	0	0	7
95°	109	99	88	82	84	124
105°	429	427	413	406	402	458
115°	805	809	790	788	786	797
125°	1199	1213	1188	1184	1186	1072
135°	1597	1613	1587	1575	1591	1231
145°	1979	1995	1962	1952	1970	1236
155°	2309	2329	2291	2281	2305	1062
165°	2549	2571	2537	2523	2549	718
175°	2670	2694	2658	2642	2652	253
180°	2676	2676	2676	2676	2676	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1895.4	1895.4	1895.4	1895.4	1895.4
2.5°	1885.7	1904.6	1887.9	1890.1	1894.3
5°	1879.3	1902.9	1880.6	1878.3	1893.4
7.5°	1864.7	1886.3	1863.1	1857.7	1869.6
10°	1849.7	1873.3	1847.0	1840.4	1847.0
12.5°	1822.8	1847.5	1826.5	1815.6	1821.2
15°	1786.5	1802.3	1786.5	1775.7	1775.7
17.5°	1742.1	1758.7	1728.9	1721.3	1718.0
20°	1709.8	1724.3	1692.3	1681.5	1675.5
22.5°	1666.8	1680.2	1653.6	1633.6	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	17.2	17.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	29.6	26.3	16.4	13.1	13.1
95°	108.8	98.7	88.3	82.1	84.2
97.5°	200.7	191.1	178.2	172.0	173.6
100°	264.8	256.7	242.2	236.0	236.0
102.5°	327.2	322.4	307.9	301.8	303.4
105°	429.0	427.0	412.6	406.3	402.3
107.5°	541.5	537.8	521.8	521.3	517.6
110°	613.7	611.7	597.3	595.2	593.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	687.6	690.4	674.5	672.4	670.4
115°	804.6	808.6	790.2	788.1	786.1
117.5°	924.5	930.1	910.5	908.4	904.8
120°	1001.6	1013.7	989.3	987.2	985.2
122.5°	1080.4	1090.9	1068.1	1064.4	1064.0
125°	1198.7	1212.7	1188.4	1184.4	1186.4
127.5°	1316.9	1331.3	1308.7	1300.6	1305.0
130°	1395.7	1411.8	1387.5	1379.4	1385.5
132.5°	1476.2	1492.2	1468.0	1460.0	1469.2
135°	1596.9	1612.9	1586.6	1574.7	1590.7
137.5°	1714.7	1728.7	1699.9	1691.7	1708.5
140°	1791.9	1805.9	1775.4	1765.6	1785.7
142.5°	1867.4	1883.0	1849.3	1839.6	1861.2
145°	1978.6	1994.7	1962.2	1952.4	1970.4
147.5°	2085.4	2101.8	2068.9	2057.5	2075.9
150°	2151.0	2169.1	2134.6	2124.8	2144.9
152.5°	2215.1	2234.8	2198.7	2187.3	2212.2
155°	2309.1	2329.2	2290.6	2280.9	2305.0
157.5°	2393.7	2412.1	2377.2	2367.4	2388.3
160°	2444.6	2464.6	2428.1	2418.4	2442.5
162.5°	2488.9	2509.0	2475.8	2462.8	2486.8
165°	2549.2	2571.3	2536.9	2523.1	2549.2
167.5°	2599.7	2623.4	2587.0	2574.5	2600.5
170°	2629.3	2651.4	2614.9	2599.1	2625.2
172.5°	2649.0	2671.1	2634.6	2618.6	2636.7
175°	2670.3	2694.4	2658.0	2641.8	2651.9
177.5°	2679.8	2699.0	2669.9	2655.7	2678.1
180°	2676.5	2676.5	2676.5	2676.5	2676.5



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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	14.35	15.11	15.39	16.16	17.57	13.27	14.03	14.31	15.08	16.49
	3H	16.01	16.69	17.06	17.75	19.18	14.67	15.36	15.73	16.42	17.85
	4H	16.63	17.28	17.70	18.34	19.78	15.19	15.84	16.25	16.90	18.33
	6H	17.01	17.61	18.09	18.67	20.12	15.50	16.10	16.57	17.16	18.61
	8H	17.15	17.72	18.22	18.79	20.24	15.62	16.19	16.70	17.27	18.71
	12H	17.21	17.75	18.29	18.82	20.29	15.69	16.23	16.78	17.31	18.77
4H	2H	14.74	15.39	15.81	16.45	17.89	13.88	14.53	14.95	15.59	17.03
	3H	16.62	17.17	17.70	18.25	19.70	15.49	16.04	16.57	17.12	18.57
	4H	17.37	17.87	18.45	18.94	20.41	16.10	16.59	17.18	17.67	19.14
	6H	17.87	18.29	18.96	19.39	20.86	16.50	16.93	17.60	18.03	19.50
	8H	18.05	18.45	19.15	19.54	21.03	16.67	17.07	17.76	18.16	19.64
	12H	18.15	18.51	19.26	19.61	21.10	16.77	17.13	17.88	18.24	19.73
8H	4H	17.49	17.89	18.58	18.98	20.46	16.35	16.75	17.44	17.84	19.32
	6H	18.11	18.43	19.22	19.57	21.05	16.88	17.20	17.99	18.34	19.82
	8H	18.38	18.67	19.50	19.78	21.28	17.13	17.42	18.25	18.53	20.03
	12H	18.54	18.79	19.67	19.90	21.44	17.30	17.55	18.42	18.66	20.20
12H	4H	17.46	17.82	18.57	18.92	20.41	16.35	16.71	17.46	17.81	19.30
	6H	18.12	18.41	19.24	19.52	21.02	16.93	17.22	18.05	18.34	19.83
	8H	18.42	18.67	19.54	19.78	21.32	17.21	17.46	18.33	18.57	20.11