

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: P1439576

Luminaire Tested: CB3-D-085U-055D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439576
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-940-1D-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

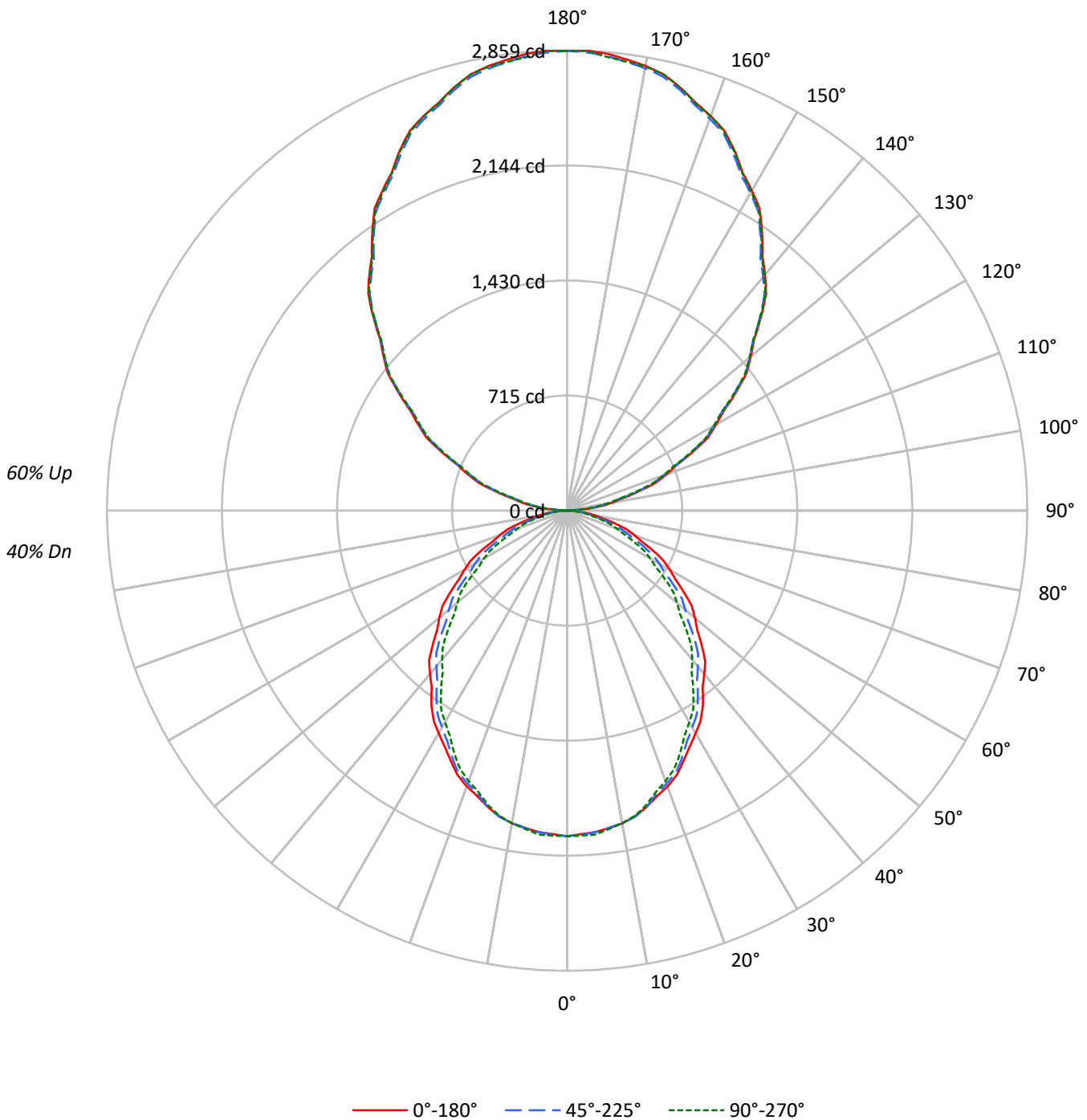
Lumens per Lamp: N/A
Luminaire Lumens: 12199.4 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 89.1
Input Voltage (V): 120
Input Current (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										
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°	11442	11442	11442
5°	11387	11396	11473
10°	11338	11321	11321
15°	11164	11164	11098
20°	10984	10872	10763
25°	10694	10560	10372
30°	10432	10161	9917
35°	10157	9781	9434
40°	9791	9325	8922
45°	9459	8920	8369
50°	9118	8436	7830
55°	8746	7967	7317
60°	8344	7485	6738
65°	7875	6934	6127
70°	7334	6289	5458
75°	6649	5519	4861
80°	5796	4626	4300
85°	4472	3914	3914

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9459 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.8	1.6
10°-20°	536.1	4.4
20°-30°	778.3	6.4
30°-40°	884.6	7.3
40°-50°	858.7	7.0
50°-60°	725.0	5.9
60°-70°	515.8	4.2
70°-80°	275.6	2.3
80°-90°	72.8	0.6
90°-100°	120.7	1.0
100°-110°	472.2	3.9
110°-120°	841.7	6.9
120°-130°	1139.0	9.3
130°-140°	1309.4	10.7
140°-150°	1314.0	10.8
150°-160°	1130.0	9.3
160°-170°	764.9	6.3
170°-180°	269.8	2.2
0°-30°	1505.3	12.3
0°-40°	2389.9	19.6
0°-60°	3973.6	32.6
0°-90°	4837.9	39.7
90°-120°	1434.5	11.8
90°-150°	5196.9	42.6
90°-180°	7362.0	60.3
0°-180°	12199.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2022	2022	2022	2022	2022	
5°	2005	2030	2007	2004	2020	190
15°	1906	1923	1906	1895	1895	537
25°	1713	1719	1692	1669	1662	790
35°	1471	1457	1416	1374	1366	916
45°	1182	1164	1115	1061	1046	912
55°	887	863	808	756	742	793
65°	588	567	518	472	458	583
75°	304	287	252	227	222	324
85°	69	63	60	60	60	82
90°	0	0	0	0	0	7
95°	116	105	94	88	90	132
105°	458	456	440	434	429	489
115°	858	863	843	841	839	851
125°	1279	1294	1268	1264	1266	1144
135°	1704	1721	1693	1680	1697	1314
145°	2111	2128	2094	2083	2102	1319
155°	2464	2485	2444	2434	2460	1133
165°	2720	2744	2707	2692	2720	766
175°	2849	2875	2836	2819	2830	270
180°	2856	2856	2856	2856	2856	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2022.5	2022.5	2022.5	2022.5	2022.5
2.5°	2012.1	2032.3	2014.4	2016.8	2021.3
5°	2005.2	2030.5	2006.7	2004.2	2020.3
7.5°	1989.7	2012.8	1988.0	1982.3	1994.9
10°	1973.7	1998.9	1970.8	1963.8	1970.8
12.5°	1945.0	1971.4	1949.0	1937.4	1943.3
15°	1906.2	1923.1	1906.2	1894.8	1894.8
17.5°	1858.9	1876.6	1844.8	1836.7	1833.2
20°	1824.4	1839.9	1805.8	1794.2	1787.8
22.5°	1778.5	1792.8	1764.5	1743.1	1737.3
25°	1713.2	1718.8	1691.7	1668.6	1661.6
27.5°	1649.8	1651.2	1613.9	1585.9	1576.6
30°	1597.0	1598.4	1555.4	1525.1	1518.1
32.5°	1544.2	1540.0	1499.1	1463.1	1458.4
35°	1470.7	1456.7	1416.2	1374.4	1366.0
37.5°	1382.0	1373.6	1325.8	1283.9	1271.3
40°	1325.8	1311.8	1262.7	1220.8	1208.1
42.5°	1269.6	1253.3	1203.0	1156.5	1142.7
45°	1182.3	1164.1	1114.9	1061.4	1046.0
47.5°	1094.5	1074.6	1020.5	968.7	951.6
50°	1036.0	1014.9	958.5	907.8	889.6
52.5°	976.3	954.1	897.6	845.9	831.1
55°	886.7	862.9	807.8	755.8	741.8
57.5°	797.2	773.6	718.9	669.7	652.9
60°	737.5	715.1	661.5	612.3	595.5
62.5°	676.7	655.3	602.9	554.9	539.2
65°	588.3	567.2	518.0	471.7	457.7
67.5°	500.8	482.8	434.2	391.7	380.5
70°	443.4	426.5	380.2	341.2	330.0
72.5°	388.3	370.3	326.3	293.1	285.2
75°	304.2	287.4	252.5	226.6	222.4
77.5°	227.3	213.5	183.4	168.7	166.4
80°	177.9	165.3	142.0	132.0	132.0
82.5°	132.0	121.6	106.5	102.2	102.2
85°	68.9	63.3	60.3	60.3	60.3
87.5°	20.7	20.7	19.5	18.4	18.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	31.5	28.1	17.5	14.0	14.0
95°	116.1	105.4	94.2	87.7	89.8
97.5°	214.2	203.9	190.1	183.6	185.3
100°	282.5	274.0	258.4	251.9	251.9
102.5°	349.1	344.0	328.5	322.0	323.7
105°	457.7	455.6	440.2	433.5	429.3
107.5°	577.8	573.9	556.7	556.2	552.3
110°	654.8	652.7	637.3	635.1	632.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	733.7	736.7	719.7	717.4	715.3
115°	858.5	862.8	843.2	841.0	838.8
117.5°	986.4	992.4	971.5	969.3	965.4
120°	1068.8	1081.6	1055.6	1053.4	1051.3
122.5°	1152.9	1164.0	1139.7	1135.8	1135.4
125°	1279.0	1294.0	1268.1	1263.7	1265.9
127.5°	1405.2	1420.6	1396.4	1387.8	1392.5
130°	1489.3	1506.4	1480.5	1471.9	1478.3
132.5°	1575.1	1592.3	1566.4	1557.8	1567.7
135°	1703.9	1721.0	1693.0	1680.2	1697.3
137.5°	1829.6	1844.6	1813.9	1805.1	1823.1
140°	1912.0	1927.0	1894.5	1884.0	1905.4
142.5°	1992.6	2009.3	1973.3	1962.9	1986.0
145°	2111.3	2128.4	2093.8	2083.2	2102.5
147.5°	2225.2	2242.7	2207.6	2195.4	2215.1
150°	2295.2	2314.5	2277.7	2267.3	2288.7
152.5°	2363.6	2384.6	2346.1	2334.0	2360.5
155°	2463.9	2485.3	2444.2	2433.8	2459.5
157.5°	2554.1	2573.8	2536.6	2526.1	2548.4
160°	2608.4	2629.8	2590.9	2580.5	2606.2
162.5°	2655.7	2677.2	2641.7	2627.8	2653.5
165°	2720.1	2743.7	2707.0	2692.3	2720.1
167.5°	2774.0	2799.3	2760.4	2747.0	2774.9
170°	2805.5	2829.1	2790.2	2773.3	2801.2
172.5°	2826.6	2850.1	2811.2	2794.2	2813.4
175°	2849.3	2875.0	2836.2	2818.9	2829.6
177.5°	2859.4	2880.0	2848.9	2833.7	2857.7
180°	2855.9	2855.9	2855.9	2855.9	2855.9

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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	14.57	15.34	15.61	16.39	17.80	13.49	14.26	14.54	15.31	16.72
	3H	16.23	16.92	17.28	17.97	19.41	14.90	15.59	15.95	16.64	18.07
	4H	16.86	17.51	17.92	18.57	20.00	15.41	16.06	16.48	17.12	18.56
	6H	17.24	17.84	18.31	18.90	20.35	15.73	16.32	16.80	17.39	18.84
	8H	17.37	17.94	18.45	19.02	20.46	15.85	16.42	16.92	17.49	18.94
	12H	17.44	17.98	18.52	19.05	20.52	15.92	16.46	17.00	17.53	19.00
4H	2H	14.97	15.62	16.04	16.68	18.12	14.11	14.76	15.18	15.82	17.26
	3H	16.85	17.39	17.93	18.48	19.93	15.72	16.26	16.80	17.35	18.80
	4H	17.59	18.09	18.68	19.17	20.64	16.32	16.82	17.41	17.90	19.37
	6H	18.09	18.52	19.18	19.62	21.08	16.73	17.16	17.82	18.26	19.72
	8H	18.28	18.68	19.37	19.77	21.25	16.90	17.30	17.99	18.39	19.87
	12H	18.37	18.73	19.48	19.84	21.33	17.00	17.36	18.11	18.46	19.95
8H	4H	17.72	18.11	18.81	19.21	20.69	16.58	16.97	17.67	18.07	19.55
	6H	18.33	18.66	19.45	19.79	21.27	17.10	17.43	18.22	18.56	20.04
	8H	18.61	18.89	19.73	20.01	21.51	17.35	17.64	18.47	18.76	20.26
	12H	18.77	19.02	19.89	20.13	21.67	17.53	17.78	18.65	18.89	20.43
12H	4H	17.68	18.04	18.79	19.15	20.64	16.57	16.93	17.68	18.04	19.53
	6H	18.35	18.64	19.47	19.75	21.25	17.16	17.45	18.28	18.56	20.06
	8H	18.64	18.90	19.77	20.01	21.54	17.44	17.69	18.56	18.80	20.34