

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: P1439574

Luminaire Tested: CB3-D-085U-055D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439574
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-935-1D-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

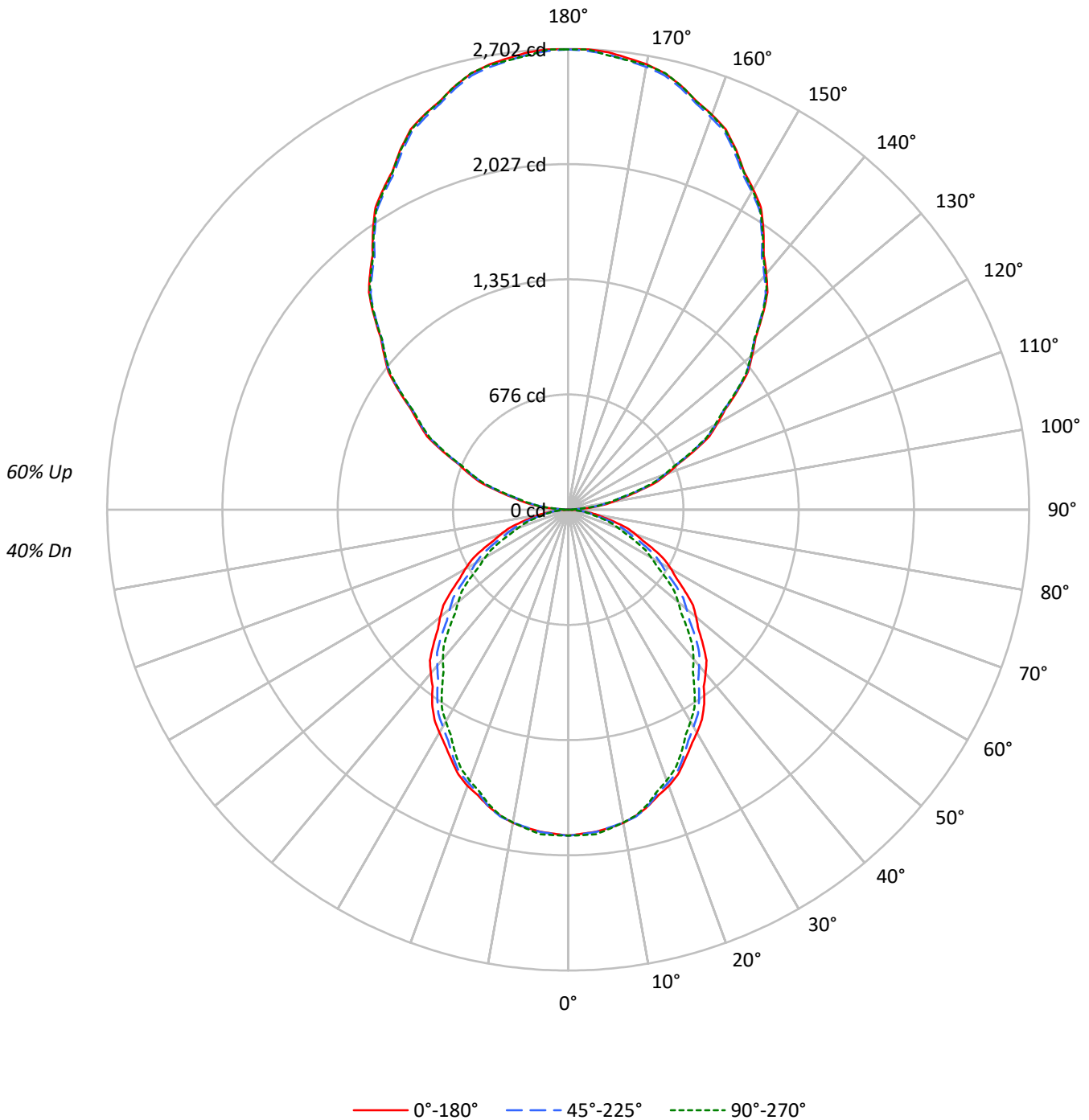
Lumens per Lamp: N/A
Luminaire Lumens: 11527.0 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

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

TEST NUMBER: P1439574

CATALOG NUMBER: CB3-D-085U-055D-935-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1439574

CATALOG NUMBER: CB3-D-085U-055D-935-1D-UNV-STD-W-8

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	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°	10811	10811	10811
5°	10760	10768	10841
10°	10713	10698	10698
15°	10549	10549	10486
20°	10378	10273	10170
25°	10105	9977	9800
30°	9857	9601	9370
35°	9598	9241	8914
40°	9251	8811	8431
45°	8938	8428	7908
50°	8615	7971	7398
55°	8264	7529	6913
60°	7885	7072	6366
65°	7441	6551	5790
70°	6929	5943	5157
75°	6282	5215	4592
80°	5477	4372	4063
85°	4226	3693	3693

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8938 cd/sqm



TEST NUMBER: P1439574

CATALOG NUMBER: CB3-D-085U-055D-935-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.3	1.6
10°-20°	506.6	4.4
20°-30°	735.4	6.4
30°-40°	835.8	7.3
40°-50°	811.4	7.0
50°-60°	685.1	5.9
60°-70°	487.4	4.2
70°-80°	260.4	2.3
80°-90°	68.8	0.6
90°-100°	114.0	1.0
100°-110°	446.2	3.9
110°-120°	795.3	6.9
120°-130°	1076.2	9.3
130°-140°	1237.3	10.7
140°-150°	1241.5	10.8
150°-160°	1067.7	9.3
160°-170°	722.7	6.3
170°-180°	254.9	2.2
0°-30°	1422.3	12.3
0°-40°	2258.1	19.6
0°-60°	3754.6	32.6
0°-90°	4571.2	39.7
90°-120°	1355.5	11.8
90°-150°	4910.5	42.6
90°-180°	6956.0	60.3
0°-180°	11527.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1911	1911	1911	1911	1911	
5°	1895	1919	1896	1894	1909	180
15°	1801	1817	1801	1790	1790	507
25°	1619	1624	1598	1577	1570	746
35°	1390	1376	1338	1299	1291	866
45°	1117	1100	1053	1003	988	862
55°	838	815	763	714	701	749
65°	556	536	489	446	432	551
75°	287	272	239	214	210	306
85°	65	60	57	57	57	77
90°	0	0	0	0	0	7
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	



TEST NUMBER: P1439574

CATALOG NUMBER: CB3-D-085U-055D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1911.0	1911.0	1911.0	1911.0	1911.0
2.5°	1901.2	1920.3	1903.4	1905.7	1909.9
5°	1894.7	1918.6	1896.1	1893.7	1909.0
7.5°	1880.1	1901.8	1878.5	1873.0	1885.0
10°	1864.9	1888.8	1862.2	1855.6	1862.2
12.5°	1837.8	1862.7	1841.6	1830.6	1836.2
15°	1801.2	1817.1	1801.2	1790.3	1790.3
17.5°	1756.4	1773.1	1743.1	1735.5	1732.2
20°	1723.9	1738.5	1706.3	1695.3	1689.3
22.5°	1680.5	1694.0	1667.2	1647.0	1641.6
25°	1618.8	1624.1	1598.4	1576.6	1570.0
27.5°	1558.9	1560.2	1525.0	1498.5	1489.7
30°	1509.0	1510.3	1469.7	1441.0	1434.4
32.5°	1459.1	1455.1	1416.5	1382.5	1378.0
35°	1389.7	1376.4	1338.1	1298.6	1290.7
37.5°	1305.9	1297.9	1252.7	1213.1	1201.2
40°	1252.7	1239.5	1193.1	1153.5	1141.6
42.5°	1199.6	1184.2	1136.7	1092.7	1079.7
45°	1117.2	1099.9	1053.4	1002.9	988.4
47.5°	1034.2	1015.4	964.2	915.3	899.1
50°	978.9	959.0	905.7	857.8	840.6
52.5°	922.5	901.5	848.2	799.3	785.3
55°	837.9	815.3	763.3	714.2	700.9
57.5°	753.3	731.0	679.2	632.8	616.9
60°	696.9	675.7	625.0	578.6	562.6
62.5°	639.4	619.2	569.7	524.3	509.5
65°	555.9	536.0	489.4	445.7	432.5
67.5°	473.2	456.2	410.3	370.2	359.5
70°	418.9	403.0	359.3	322.4	311.8
72.5°	366.9	349.9	308.3	276.9	269.5
75°	287.4	271.5	238.6	214.1	210.1
77.5°	214.8	201.8	173.3	159.4	157.3
80°	168.1	156.2	134.2	124.7	124.7
82.5°	124.7	114.9	100.6	96.5	96.5
85°	65.1	59.8	56.9	56.9	56.9
87.5°	19.5	19.5	18.4	17.4	17.4
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



TEST NUMBER: P1439574

CATALOG NUMBER: CB3-D-085U-055D-935-1D-UNV-STD-W-8

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



TEST NUMBER: P1439574
 CATALOG NUMBER: CB3-D-085U-055D-935-1D-UNV-STD-W-8

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	14.37	15.14	15.42	16.19	17.60	13.30	14.06	14.34	15.11	16.52
	3H	16.03	16.72	17.09	17.78	19.21	14.70	15.39	15.76	16.45	17.88
	4H	16.66	17.31	17.72	18.37	19.81	15.22	15.87	16.28	16.92	18.36
	6H	17.04	17.64	18.11	18.70	20.15	15.53	16.13	16.60	17.19	18.64
	8H	17.17	17.74	18.25	18.82	20.27	15.65	16.22	16.73	17.30	18.74
	12H	17.24	17.78	18.32	18.85	20.32	15.72	16.26	16.80	17.33	18.80
4H	2H	14.77	15.42	15.84	16.48	17.92	13.91	14.56	14.98	15.62	17.06
	3H	16.65	17.19	17.73	18.28	19.73	15.52	16.06	16.60	17.15	18.60
	4H	17.40	17.89	18.48	18.97	20.44	16.13	16.62	17.21	17.70	19.17
	6H	17.89	18.32	18.99	19.42	20.89	16.53	16.96	17.62	18.06	19.52
	8H	18.08	18.48	19.18	19.57	21.06	16.70	17.10	17.79	18.19	19.67
	12H	18.18	18.54	19.29	19.64	21.13	16.80	17.16	17.91	18.27	19.75
8H	4H	17.52	17.92	18.61	19.01	20.49	16.38	16.78	17.47	17.87	19.35
	6H	18.13	18.46	19.25	19.60	21.08	16.90	17.23	18.02	18.37	19.85
	8H	18.41	18.70	19.53	19.81	21.31	17.16	17.44	18.28	18.56	20.06
	12H	18.57	18.82	19.69	19.93	21.47	17.33	17.58	18.45	18.69	20.23
12H	4H	17.49	17.85	18.60	18.95	20.44	16.38	16.74	17.49	17.84	19.33
	6H	18.15	18.44	19.27	19.55	21.05	16.96	17.25	18.08	18.36	19.86
	8H	18.45	18.70	19.57	19.81	21.35	17.24	17.49	18.36	18.60	20.14