

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: P1439570

Luminaire Tested: CB3-D-085U-055D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439570
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-927-1D-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: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

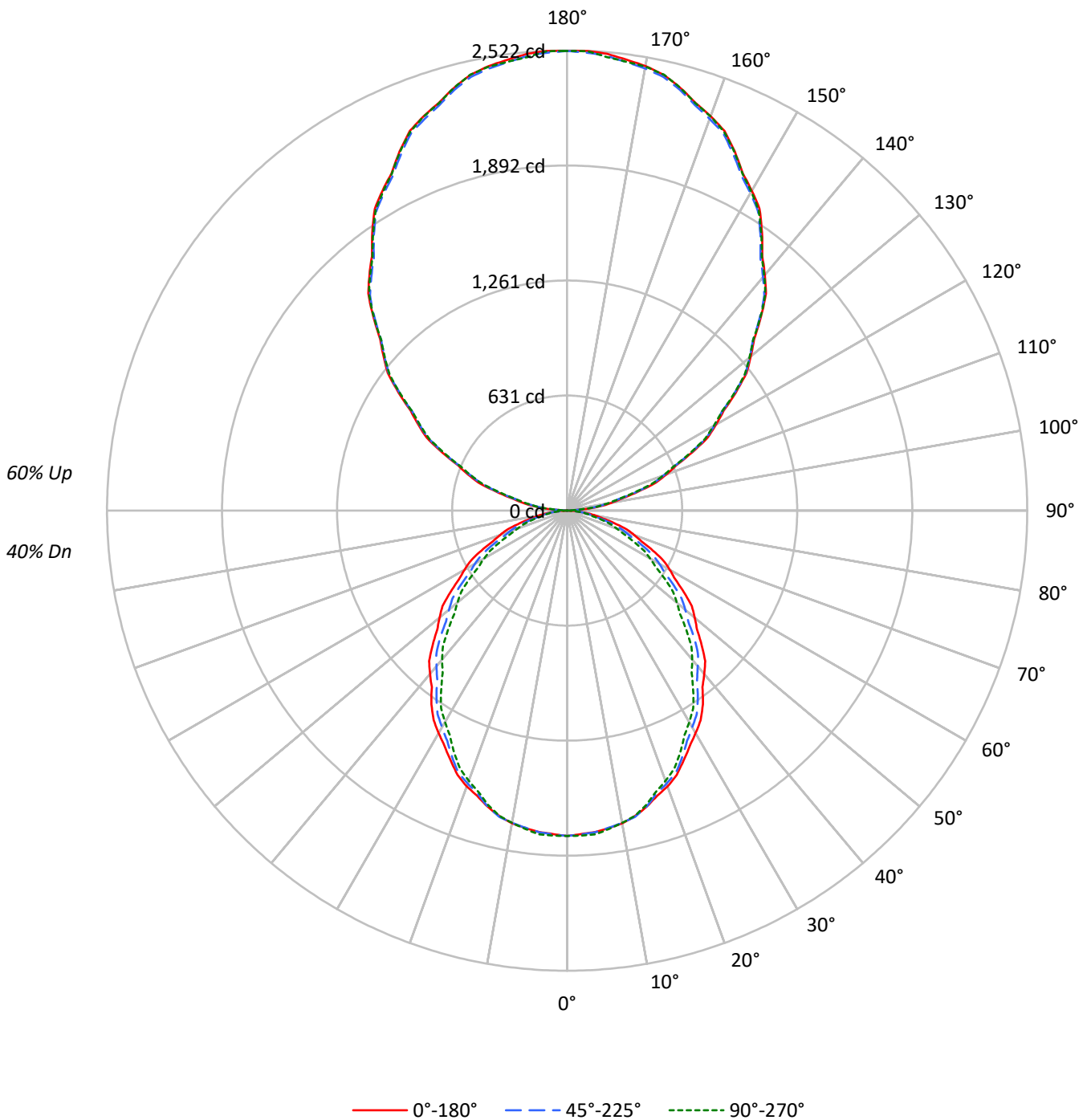
Lumens per Lamp: N/A
Luminaire Lumens: 10757.6 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

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				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	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°	10089	10089	10089
5°	10041	10049	10118
10°	9998	9983	9983
15°	9845	9845	9786
20°	9686	9587	9491
25°	9430	9312	9146
30°	9199	8960	8745
35°	8957	8625	8319
40°	8634	8223	7868
45°	8341	7865	7380
50°	8040	7439	6905
55°	7712	7026	6452
60°	7358	6600	5941
65°	6945	6115	5403
70°	6467	5546	4813
75°	5862	4868	4286
80°	5112	4082	3792
85°	3940	3447	3447

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8341 cd/sqm



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CATALOG NUMBER: CB3-D-085U-055D-927-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.3	1.6
10°-20°	472.8	4.4
20°-30°	686.3	6.4
30°-40°	780.0	7.3
40°-50°	757.3	7.0
50°-60°	639.3	5.9
60°-70°	454.9	4.2
70°-80°	243.0	2.3
80°-90°	64.2	0.6
90°-100°	106.4	1.0
100°-110°	416.4	3.9
110°-120°	742.2	6.9
120°-130°	1004.4	9.3
130°-140°	1154.7	10.7
140°-150°	1158.7	10.8
150°-160°	996.4	9.3
160°-170°	674.5	6.3
170°-180°	237.9	2.2
0°-30°	1327.4	12.3
0°-40°	2107.4	19.6
0°-60°	3504.0	32.6
0°-90°	4266.1	39.7
90°-120°	1265.0	11.8
90°-150°	4582.7	42.6
90°-180°	6491.0	60.3
0°-180°	10757.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1783	1783	1783	1783	1783	
5°	1768	1790	1770	1767	1782	168
15°	1681	1696	1681	1671	1671	473
25°	1511	1516	1492	1471	1465	696
35°	1297	1284	1249	1212	1204	808
45°	1043	1026	983	936	922	804
55°	782	761	712	666	654	699
65°	519	500	457	416	404	514
75°	268	253	223	200	196	286
85°	61	56	53	53	53	72
90°	0	0	0	0	0	6
95°	102	93	83	77	79	117
105°	404	402	388	382	378	431
115°	757	761	744	742	740	750
125°	1128	1141	1118	1114	1116	1008
135°	1502	1518	1493	1482	1497	1158
145°	1862	1877	1846	1837	1854	1163
155°	2173	2192	2155	2146	2169	999
165°	2399	2419	2387	2374	2399	676
175°	2513	2535	2501	2486	2495	238
180°	2518	2518	2518	2518	2518	

TEST NUMBER: P1439570

CATALOG NUMBER: CB3-D-085U-055D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1783.4	1783.4	1783.4	1783.4	1783.4
2.5°	1774.3	1792.1	1776.3	1778.5	1782.4
5°	1768.2	1790.5	1769.5	1767.3	1781.6
7.5°	1754.6	1774.9	1753.1	1748.0	1759.1
10°	1740.4	1762.7	1737.9	1731.7	1737.9
12.5°	1715.1	1738.4	1718.7	1708.4	1713.6
15°	1680.9	1695.8	1680.9	1670.8	1670.8
17.5°	1639.2	1654.8	1626.8	1619.6	1616.5
20°	1608.8	1622.4	1592.4	1582.1	1576.5
22.5°	1568.3	1581.0	1555.9	1537.1	1532.0
25°	1510.7	1515.7	1491.8	1471.4	1465.2
27.5°	1454.8	1456.0	1423.2	1398.4	1390.3
30°	1408.2	1409.5	1371.6	1344.8	1338.7
32.5°	1361.7	1358.0	1322.0	1290.2	1286.0
35°	1296.9	1284.5	1248.8	1212.0	1204.5
37.5°	1218.7	1211.3	1169.1	1132.2	1121.0
40°	1169.1	1156.7	1113.4	1076.5	1065.4
42.5°	1119.5	1105.2	1060.8	1019.8	1007.7
45°	1042.6	1026.5	983.1	936.0	922.4
47.5°	965.1	947.6	899.9	854.2	839.1
50°	913.5	895.0	845.2	800.6	784.5
52.5°	860.9	841.3	791.6	746.0	732.8
55°	781.9	760.9	712.3	666.5	654.1
57.5°	703.0	682.2	633.9	590.5	575.7
60°	650.3	630.6	583.3	539.9	525.1
62.5°	596.7	577.9	531.7	489.3	475.5
65°	518.8	500.2	456.8	416.0	403.6
67.5°	441.6	425.7	382.9	345.4	335.5
70°	391.0	376.1	335.3	300.9	291.0
72.5°	342.4	326.5	287.7	258.5	251.5
75°	268.2	253.4	222.7	199.8	196.1
77.5°	200.4	188.3	161.7	148.8	146.8
80°	156.9	145.8	125.3	116.4	116.4
82.5°	116.4	107.2	93.9	90.1	90.1
85°	60.7	55.8	53.1	53.1	53.1
87.5°	18.2	18.2	17.2	16.2	16.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	27.8	24.8	15.5	12.4	12.4
95°	102.4	92.9	83.0	77.3	79.2
97.5°	188.9	179.8	167.6	161.9	163.4
100°	249.1	241.6	227.9	222.1	222.1
102.5°	307.8	303.3	289.7	283.9	285.4
105°	403.6	401.7	388.2	382.3	378.5
107.5°	509.5	506.1	490.9	490.5	487.1
110°	577.5	575.6	562.0	560.0	558.1



TEST NUMBER: P1439570

CATALOG NUMBER: CB3-D-085U-055D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	647.0	649.6	634.6	632.6	630.8
115°	757.1	760.8	743.5	741.6	739.7
117.5°	869.8	875.1	856.7	854.7	851.3
120°	942.5	953.8	930.9	928.9	927.0
122.5°	1016.6	1026.4	1005.0	1001.6	1001.2
125°	1127.9	1141.1	1118.2	1114.4	1116.3
127.5°	1239.1	1252.7	1231.4	1223.8	1227.9
130°	1313.3	1328.4	1305.5	1297.9	1303.6
132.5°	1389.0	1404.1	1381.3	1373.7	1382.4
135°	1502.5	1517.6	1492.9	1481.6	1496.7
137.5°	1613.4	1626.6	1599.5	1591.7	1607.6
140°	1686.0	1699.2	1670.6	1661.3	1680.2
142.5°	1757.1	1771.8	1740.1	1730.9	1751.3
145°	1861.8	1876.9	1846.3	1837.0	1854.0
147.5°	1962.2	1977.7	1946.7	1935.9	1953.3
150°	2024.0	2041.0	2008.5	1999.3	2018.2
152.5°	2084.2	2102.7	2068.8	2058.1	2081.5
155°	2172.7	2191.6	2155.3	2146.2	2168.8
157.5°	2252.3	2269.6	2236.8	2227.6	2247.2
160°	2300.2	2319.0	2284.7	2275.6	2298.2
162.5°	2341.9	2360.8	2329.5	2317.3	2339.9
165°	2398.6	2419.4	2387.1	2374.1	2398.6
167.5°	2446.2	2468.4	2434.2	2422.4	2446.9
170°	2474.0	2494.7	2460.4	2445.6	2470.1
172.5°	2492.5	2513.3	2479.0	2463.9	2480.9
175°	2512.6	2535.3	2501.0	2485.8	2495.2
177.5°	2521.5	2539.6	2512.2	2498.8	2519.9
180°	2518.4	2518.4	2518.4	2518.4	2518.4



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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	14.13	14.90	15.18	15.95	17.36	13.06	13.82	14.10	14.87	16.28
	3H	15.79	16.48	16.85	17.54	18.97	14.46	15.15	15.52	16.21	17.64
	4H	16.42	17.07	17.48	18.13	19.57	14.97	15.63	16.04	16.68	18.12
	6H	16.80	17.40	17.87	18.46	19.91	15.29	15.89	16.36	16.95	18.40
	8H	16.93	17.50	18.01	18.58	20.03	15.41	15.98	16.49	17.06	18.50
	12H	17.00	17.54	18.08	18.61	20.08	15.48	16.02	16.56	17.09	18.56
4H	2H	14.53	15.18	15.60	16.24	17.68	13.67	14.32	14.74	15.38	16.82
	3H	16.41	16.95	17.49	18.04	19.49	15.28	15.82	16.36	16.91	18.36
	4H	17.16	17.65	18.24	18.73	20.20	15.89	16.38	16.97	17.46	18.93
	6H	17.65	18.08	18.75	19.18	20.65	16.29	16.72	17.38	17.82	19.28
	8H	17.84	18.24	18.94	19.33	20.82	16.46	16.86	17.55	17.95	19.43
	12H	17.94	18.30	19.05	19.40	20.89	16.56	16.92	17.67	18.03	19.51
8H	4H	17.28	17.68	18.37	18.77	20.25	16.14	16.54	17.23	17.63	19.11
	6H	17.89	18.22	19.01	19.36	20.84	16.66	16.99	17.78	18.13	19.61
	8H	18.17	18.46	19.29	19.57	21.07	16.92	17.20	18.04	18.32	19.82
	12H	18.33	18.58	19.45	19.69	21.23	17.09	17.34	18.21	18.45	19.99
12H	4H	17.25	17.61	18.36	18.71	20.20	16.14	16.50	17.25	17.60	19.09
	6H	17.91	18.20	19.03	19.31	20.81	16.72	17.01	17.84	18.12	19.62
	8H	18.21	18.46	19.33	19.57	21.11	17.00	17.25	18.12	18.36	19.90