

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1057146

Luminaire Tested: CB3-D-085U-055D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057146
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-085U-055D-835-1D-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, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11140.3 lumens
Efficiency: N/A
Efficacy: 125.0 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

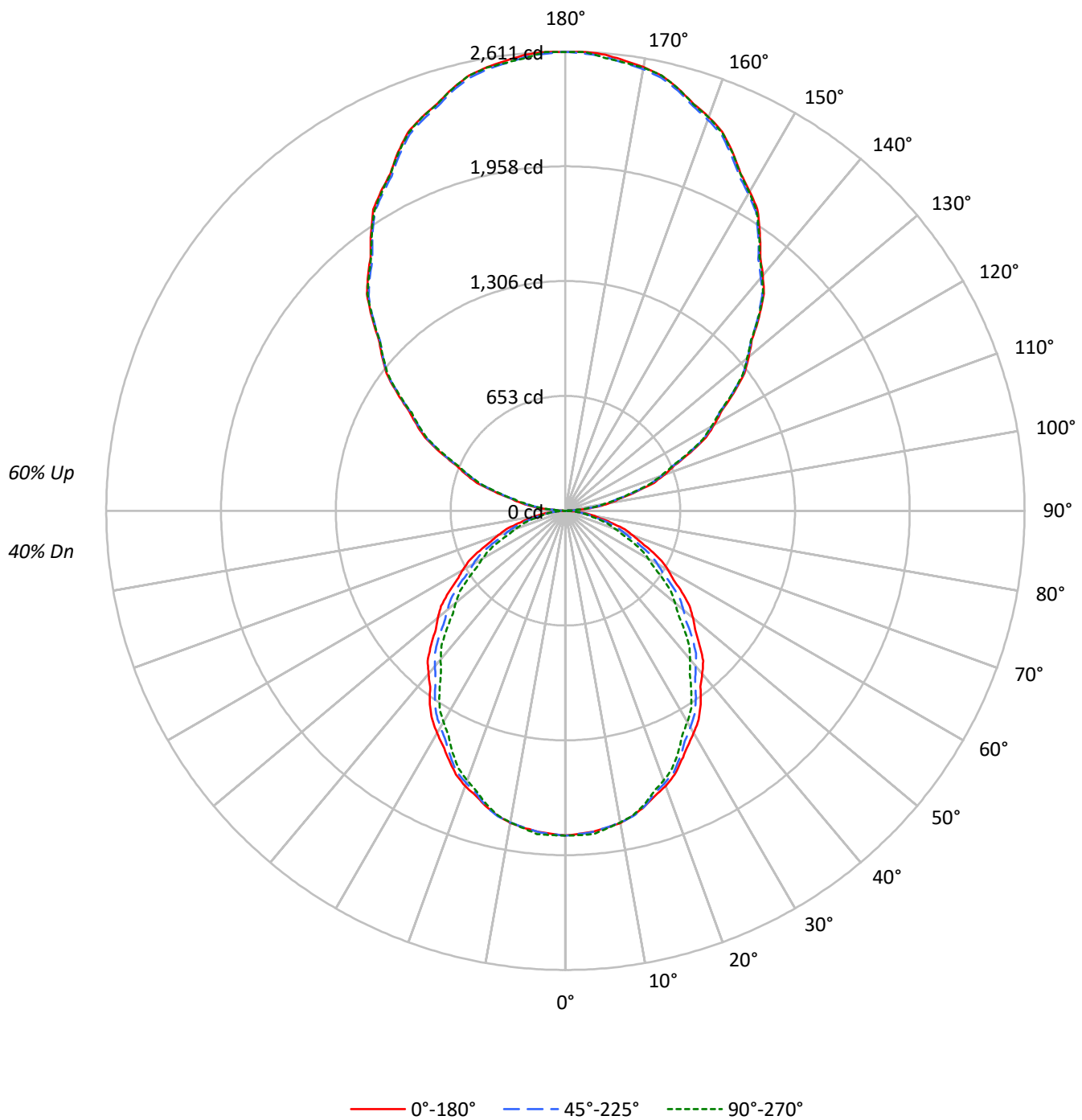
Input Watts (W): 89.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057146

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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	105	105	105	105	95	95	95	95	78	78	78	61	61	61	47	47	47
1	96	91	88	84	87	83	80	77	68	66	64	54	53	51	41	40	40
2	87	80	74	69	79	73	68	64	60	56	53	48	45	43	37	35	34
3	80	70	63	58	72	64	58	53	53	48	45	42	39	37	33	30	29
4	73	62	55	49	66	57	50	45	47	42	38	38	34	31	29	27	25
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19
7	57	45	37	32	52	41	34	30	34	29	25	28	24	21	22	19	17
8	53	41	33	28	48	37	31	26	31	26	22	26	22	19	20	17	15
9	49	37	30	25	45	34	28	23	29	24	20	23	20	17	19	16	14
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10448	10448	10448
5°	10399	10407	10478
10°	10353	10338	10338
15°	10196	10196	10134
20°	10031	9928	9829
25°	9766	9643	9471
30°	9527	9279	9056
35°	9275	8932	8615
40°	8941	8516	8148
45°	8638	8145	7642
50°	8326	7704	7150
55°	7987	7276	6681
60°	7620	6834	6153
65°	7191	6332	5595
70°	6697	5743	4985
75°	6072	5040	4439
80°	5294	4225	3926
85°	4083	3570	3570

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8638 cd/sqm

TEST NUMBER: P1057146

CATALOG NUMBER: CB3-D-085U-055D-835-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.3	1.6
10°-20°	489.6	4.4
20°-30°	710.7	6.4
30°-40°	807.8	7.3
40°-50°	784.2	7.0
50°-60°	662.1	5.9
60°-70°	471.1	4.2
70°-80°	251.7	2.3
80°-90°	66.5	0.6
90°-100°	110.2	1.0
100°-110°	431.2	3.9
110°-120°	768.6	6.9
120°-130°	1040.1	9.3
130°-140°	1195.7	10.7
140°-150°	1199.9	10.8
150°-160°	1031.9	9.3
160°-170°	698.5	6.3
170°-180°	246.4	2.2
0°-30°	1374.6	12.3
0°-40°	2182.4	19.6
0°-60°	3628.7	32.6
0°-90°	4417.9	39.7
90°-120°	1310.0	11.8
90°-150°	4745.7	42.6
90°-180°	6722.0	60.3
0°-180°	11140.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1847	1847	1847	1847	1847	
5°	1831	1854	1832	1830	1845	174
15°	1741	1756	1741	1730	1730	490
25°	1564	1570	1545	1524	1517	721
35°	1343	1330	1293	1255	1247	837
45°	1080	1063	1018	969	955	833
55°	810	788	738	690	677	724
65°	537	518	473	431	418	532
75°	278	262	231	207	203	296
85°	63	58	55	55	55	75
90°	0	0	0	0	0	7
95°	106	96	86	80	82	121
105°	418	416	402	396	392	446
115°	784	788	770	768	766	777
125°	1168	1182	1158	1154	1156	1044
135°	1556	1572	1546	1534	1550	1200
145°	1928	1944	1912	1902	1920	1205
155°	2250	2270	2232	2222	2246	1035
165°	2484	2506	2472	2459	2484	700
175°	2602	2626	2590	2574	2584	247
180°	2608	2608	2608	2608	2608	

TEST NUMBER: P1057146

CATALOG NUMBER: CB3-D-085U-055D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1846.9	1846.9	1846.9	1846.9	1846.9
2.5°	1837.5	1855.9	1839.6	1841.7	1845.8
5°	1831.2	1854.2	1832.5	1830.2	1845.0
7.5°	1817.0	1838.0	1815.4	1810.2	1821.7
10°	1802.3	1825.4	1799.7	1793.3	1799.7
12.5°	1776.1	1800.2	1779.8	1769.2	1774.6
15°	1740.8	1756.1	1740.8	1730.3	1730.3
17.5°	1697.5	1713.7	1684.7	1677.3	1674.1
20°	1666.1	1680.2	1649.0	1638.4	1632.6
22.5°	1624.1	1637.2	1611.3	1591.8	1586.5
25°	1564.5	1569.6	1544.8	1523.7	1517.3
27.5°	1506.6	1507.9	1473.8	1448.2	1439.7
30°	1458.4	1459.6	1420.4	1392.7	1386.3
32.5°	1410.1	1406.3	1369.0	1336.1	1331.8
35°	1343.0	1330.2	1293.3	1255.1	1247.4
37.5°	1262.1	1254.4	1210.7	1172.4	1160.9
40°	1210.7	1197.9	1153.1	1114.8	1103.3
42.5°	1159.3	1144.5	1098.5	1056.1	1043.5
45°	1079.7	1063.0	1018.1	969.3	955.2
47.5°	999.5	981.3	931.9	884.6	869.0
50°	946.0	926.8	875.3	829.0	812.4
52.5°	891.5	871.3	819.7	772.5	758.9
55°	809.8	788.0	737.7	690.2	677.4
57.5°	728.0	706.5	656.5	611.6	596.2
60°	673.5	653.0	604.0	559.1	543.8
62.5°	617.9	598.5	550.6	506.8	492.4
65°	537.2	518.0	473.0	430.8	418.0
67.5°	457.3	440.9	396.5	357.7	347.5
70°	404.9	389.5	347.2	311.6	301.4
72.5°	354.6	338.2	298.0	267.7	260.5
75°	277.8	262.4	230.6	206.9	203.1
77.5°	207.6	195.0	167.5	154.0	152.0
80°	162.5	150.9	129.7	120.5	120.5
82.5°	120.5	111.1	97.2	93.3	93.3
85°	62.9	57.8	55.0	55.0	55.0
87.5°	18.9	18.9	17.8	16.8	16.8
90°	0.0	0.0	0.0	0.0	0.0
92.5°	28.8	25.7	16.0	12.8	12.8
95°	106.0	96.2	86.0	80.0	82.0
97.5°	195.6	186.2	173.6	167.6	169.2
100°	258.0	250.2	236.0	230.0	230.0
102.5°	318.8	314.1	300.0	294.0	295.6
105°	418.0	416.0	402.0	395.9	392.0
107.5°	527.6	524.1	508.4	507.9	504.4
110°	598.0	596.0	582.0	580.0	578.0

TEST NUMBER: P1057146

CATALOG NUMBER: CB3-D-085U-055D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	670.0	672.7	657.2	655.2	653.2
115°	784.0	787.9	770.0	768.0	766.0
117.5°	900.8	906.3	887.2	885.1	881.6
120°	976.0	987.7	964.0	962.0	960.0
122.5°	1052.8	1063.0	1040.8	1037.2	1036.8
125°	1168.0	1181.7	1158.0	1154.0	1156.0
127.5°	1283.2	1297.3	1275.2	1267.3	1271.6
130°	1360.0	1375.6	1352.0	1344.1	1350.0
132.5°	1438.4	1454.0	1430.4	1422.6	1431.6
135°	1556.0	1571.6	1546.0	1534.4	1550.0
137.5°	1670.8	1684.5	1656.4	1648.4	1664.8
140°	1746.0	1759.7	1730.0	1720.4	1740.0
142.5°	1819.6	1834.9	1802.0	1792.5	1813.6
145°	1928.0	1943.6	1912.0	1902.4	1920.0
147.5°	2032.0	2048.0	2016.0	2004.8	2022.8
150°	2096.0	2113.6	2080.0	2070.4	2090.0
152.5°	2158.4	2177.6	2142.4	2131.3	2155.6
155°	2250.0	2269.6	2232.0	2222.5	2246.0
157.5°	2332.4	2350.4	2316.4	2306.9	2327.2
160°	2382.0	2401.6	2366.0	2356.5	2380.0
162.5°	2425.2	2444.8	2412.4	2399.7	2423.2
165°	2484.0	2505.5	2472.0	2458.6	2484.0
167.5°	2533.2	2556.3	2520.8	2508.6	2534.0
170°	2562.0	2583.5	2548.0	2532.6	2558.0
172.5°	2581.2	2602.7	2567.2	2551.6	2569.2
175°	2602.0	2625.5	2590.0	2574.2	2584.0
177.5°	2611.2	2630.0	2601.6	2587.7	2609.6
180°	2608.0	2608.0	2608.0	2608.0	2608.0

(END OF REPORT)