

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: P1057145

Luminaire Tested: CB3-D-085U-055D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057145
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-830-1D-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, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10210.9 lumens
Efficiency: N/A
Efficacy: 114.6 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

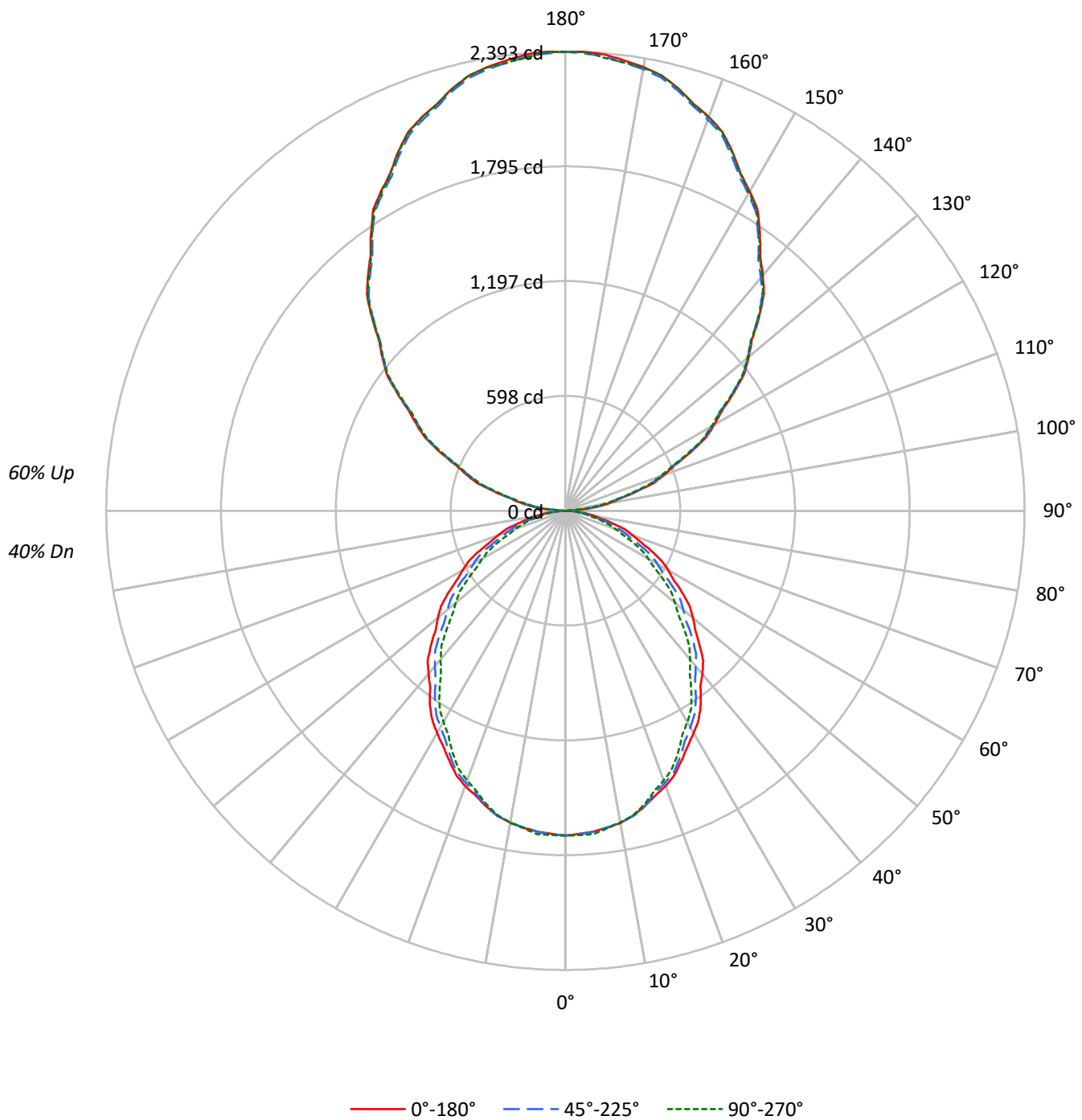
Input Watts (W): 89.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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°	9577	9577	9577
5°	9531	9538	9603
10°	9490	9476	9476
15°	9345	9345	9288
20°	9194	9100	9009
25°	8951	8838	8681
30°	8732	8505	8300
35°	8502	8187	7896
40°	8195	7805	7468
45°	7917	7466	7005
50°	7631	7061	6553
55°	7320	6668	6124
60°	6984	6264	5639
65°	6591	5804	5128
70°	6138	5265	4569
75°	5565	4621	4070
80°	4851	3874	3600
85°	3739	3271	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7917 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.7	1.6
10°-20°	448.7	4.4
20°-30°	651.4	6.4
30°-40°	740.4	7.3
40°-50°	718.8	7.0
50°-60°	606.8	5.9
60°-70°	431.8	4.2
70°-80°	230.7	2.3
80°-90°	60.9	0.6
90°-100°	101.0	1.0
100°-110°	395.2	3.9
110°-120°	704.5	6.9
120°-130°	953.3	9.3
130°-140°	1096.0	10.7
140°-150°	1099.8	10.8
150°-160°	945.8	9.3
160°-170°	640.2	6.3
170°-180°	225.8	2.2
0°-30°	1259.9	12.3
0°-40°	2000.3	19.6
0°-60°	3325.9	32.6
0°-90°	4049.3	39.7
90°-120°	1200.7	11.8
90°-150°	4349.8	42.6
90°-180°	6162.0	60.3
0°-180°	10210.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1693	1693	1693	1693	1693	
5°	1678	1700	1680	1678	1691	159
15°	1596	1610	1596	1586	1586	449
25°	1434	1439	1416	1397	1391	661
35°	1231	1219	1185	1150	1143	767
45°	990	974	933	888	876	763
55°	742	722	676	633	621	664
65°	492	475	434	395	383	488
75°	255	240	211	190	186	271
85°	58	53	50	50	50	68
90°	0	0	0	0	0	6
95°	97	88	79	73	75	111
105°	383	381	368	363	359	409
115°	719	722	706	704	702	712
125°	1071	1083	1061	1058	1060	957
135°	1426	1440	1417	1406	1421	1099
145°	1767	1782	1752	1744	1760	1104
155°	2062	2080	2046	2037	2059	949
165°	2277	2296	2266	2254	2277	641
175°	2385	2406	2374	2360	2368	226
180°	2390	2390	2390	2390	2390	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1692.8	1692.8	1692.8	1692.8	1692.8
2.5°	1684.2	1701.1	1686.1	1688.1	1691.8
5°	1678.4	1699.5	1679.6	1677.5	1691.0
7.5°	1665.4	1684.7	1664.0	1659.2	1669.7
10°	1652.0	1673.1	1649.6	1643.7	1649.6
12.5°	1628.0	1650.0	1631.3	1621.6	1626.5
15°	1595.5	1609.6	1595.5	1585.9	1585.9
17.5°	1555.9	1570.7	1544.1	1537.3	1534.4
20°	1527.1	1540.0	1511.5	1501.7	1496.4
22.5°	1488.6	1500.6	1476.9	1459.0	1454.1
25°	1434.0	1438.7	1415.9	1396.6	1390.7
27.5°	1380.9	1382.1	1350.9	1327.4	1319.6
30°	1336.7	1337.9	1301.9	1276.5	1270.6
32.5°	1292.5	1289.0	1254.8	1224.7	1220.7
35°	1231.0	1219.3	1185.4	1150.4	1143.3
37.5°	1156.8	1149.7	1109.7	1074.6	1064.1
40°	1109.7	1098.0	1056.9	1021.8	1011.2
42.5°	1062.6	1049.0	1006.9	968.0	956.5
45°	989.6	974.3	933.2	888.4	875.5
47.5°	916.1	899.4	854.1	810.8	796.5
50°	867.1	849.5	802.3	759.9	744.6
52.5°	817.1	798.6	751.3	708.1	695.6
55°	742.2	722.2	676.1	632.6	620.9
57.5°	667.3	647.5	601.7	560.5	546.4
60°	617.3	598.5	553.6	512.5	498.4
62.5°	566.4	548.5	504.6	464.5	451.3
65°	492.4	474.8	433.6	394.9	383.1
67.5°	419.1	404.1	363.4	327.9	318.5
70°	371.1	357.0	318.3	285.6	276.2
72.5°	325.0	310.0	273.1	245.3	238.8
75°	254.6	240.5	211.4	189.7	186.2
77.5°	190.2	178.7	153.5	141.2	139.3
80°	148.9	138.4	118.9	110.5	110.5
82.5°	110.5	101.8	89.1	85.5	85.5
85°	57.6	52.9	50.4	50.4	50.4
87.5°	17.3	17.3	16.3	15.4	15.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	26.4	23.5	14.7	11.7	11.7
95°	97.2	88.2	78.8	73.4	75.2
97.5°	179.3	170.7	159.1	153.6	155.1
100°	236.5	229.3	216.3	210.8	210.8
102.5°	292.2	287.9	275.0	269.5	270.9
105°	383.1	381.3	368.5	362.9	359.3
107.5°	483.6	480.4	466.0	465.5	462.3
110°	548.1	546.3	533.4	531.6	529.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	614.1	616.6	602.4	600.5	598.7
115°	718.6	722.2	705.8	703.9	702.1
117.5°	825.6	830.7	813.2	811.3	808.0
120°	894.6	905.3	883.6	881.7	879.9
122.5°	965.0	974.3	954.0	950.7	950.3
125°	1070.6	1083.1	1061.4	1057.8	1059.6
127.5°	1176.1	1189.0	1168.8	1161.6	1165.5
130°	1246.5	1260.9	1239.2	1232.0	1237.4
132.5°	1318.4	1332.7	1311.1	1303.9	1312.2
135°	1426.2	1440.5	1417.0	1406.3	1420.7
137.5°	1531.4	1543.9	1518.2	1510.8	1525.9
140°	1600.3	1612.9	1585.7	1576.9	1594.8
142.5°	1667.8	1681.8	1651.7	1642.9	1662.3
145°	1767.1	1781.5	1752.5	1743.7	1759.8
147.5°	1862.5	1877.2	1847.8	1837.5	1854.0
150°	1921.1	1937.3	1906.5	1897.7	1915.6
152.5°	1978.3	1995.9	1963.7	1953.5	1975.8
155°	2062.3	2080.2	2045.8	2037.1	2058.6
157.5°	2137.8	2154.3	2123.1	2114.4	2133.0
160°	2183.3	2201.2	2168.6	2159.9	2181.4
162.5°	2222.9	2240.8	2211.1	2199.5	2221.0
165°	2276.8	2296.5	2265.8	2253.5	2276.8
167.5°	2321.9	2343.0	2310.5	2299.3	2322.6
170°	2348.2	2368.0	2335.4	2321.3	2344.6
172.5°	2365.8	2385.6	2353.0	2338.7	2354.8
175°	2384.9	2406.4	2373.9	2359.5	2368.4
177.5°	2393.3	2410.6	2384.5	2371.8	2391.9
180°	2390.4	2390.4	2390.4	2390.4	2390.4

(END OF REPORT)