

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: P1057029

Luminaire Tested: CB2-D-055U-085D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057029
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-055U-085D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11198.2 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

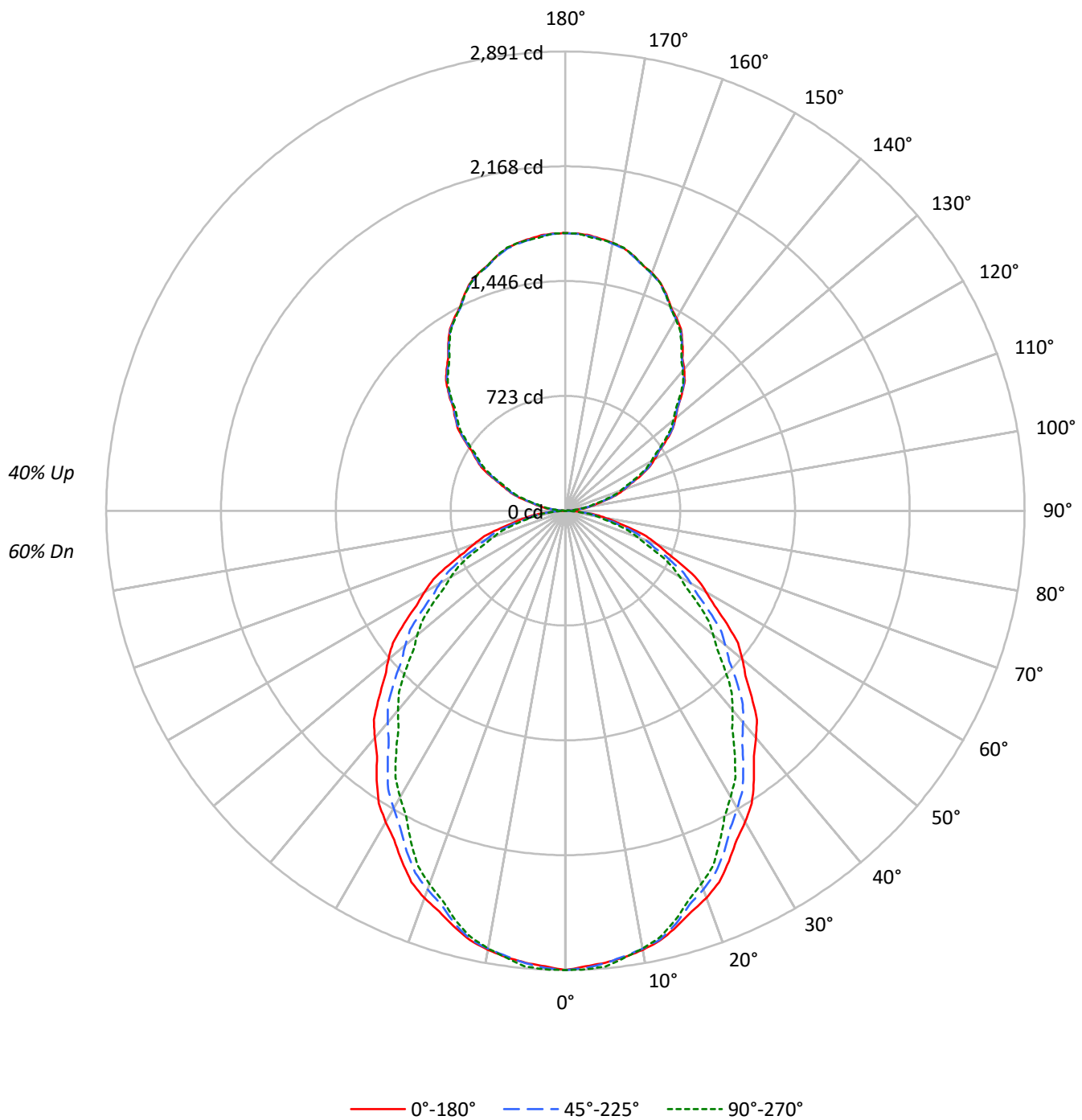
Input Watts (W): 93.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057029

CATALOG NUMBER: CB2-D-055U-085D-835-1D-UNV-STD-W-8

Luminous Intensity Polar Plot



TEST NUMBER: P1057029

CATALOG NUMBER: CB2-D-055U-085D-835-1D-UNV-STD-W-8

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	110	110	110	110	102	102	102	102	89	89	89	77	77	77	65	65	65
1	100	96	92	89	94	90	87	83	78	76	74	68	66	64	58	57	56
2	92	84	78	73	85	79	73	69	69	65	61	60	57	54	52	49	47
3	84	74	67	61	78	70	63	58	61	56	52	53	49	46	46	43	41
4	77	66	58	52	71	62	55	49	54	49	44	48	43	40	41	38	35
5	71	59	51	45	66	55	48	43	49	43	39	43	38	35	37	34	31
6	65	53	45	39	61	50	43	37	44	38	34	39	34	30	34	30	27
7	60	48	40	34	56	45	38	33	40	34	30	35	31	27	31	27	24
8	56	44	36	30	52	41	34	29	37	31	27	33	28	24	29	25	22
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	23	20
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	25	21	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25180	25180	25180
5°	24967	25005	25179
10°	24825	24766	24746
15°	24431	24272	24072
20°	24047	23514	23185
25°	23401	22742	22103
30°	22752	21751	20927
35°	22007	20736	19748
40°	21217	19782	18625
45°	20422	18787	17533
50°	19706	17817	16467
55°	18824	16808	15462
60°	17814	15848	14460
65°	16743	14781	13458
70°	15558	13587	12176
75°	14152	12292	11026
80°	12658	10772	9995
85°	9732	8853	7304

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20422 cd/sqm

TEST NUMBER: P1057029

CATALOG NUMBER: CB2-D-055U-085D-835-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.9	2.4
10°-20°	757.9	6.8
20°-30°	1089.8	9.7
30°-40°	1224.9	10.9
40°-50°	1183.3	10.6
50°-60°	999.8	8.9
60°-70°	718.1	6.4
70°-80°	392.5	3.5
80°-90°	104.3	0.9
90°-100°	67.5	0.6
100°-110°	278.4	2.5
110°-120°	505.3	4.5
120°-130°	687.6	6.1
130°-140°	793.8	7.1
140°-150°	799.9	7.1
150°-160°	690.3	6.2
160°-170°	467.9	4.2
170°-180°	165.0	1.5
0°-30°	2119.6	18.9
0°-40°	3344.5	29.9
0°-60°	5527.6	49.4
0°-90°	6742.5	60.2
90°-120°	851.2	7.6
90°-150°	3132.5	28.0
90°-180°	4456.0	39.8
0°-180°	11198.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2891	2891	2891	2891	2891	
5°	2856	2895	2860	2861	2880	271
15°	2710	2734	2692	2666	2670	764
25°	2435	2438	2367	2313	2300	1121
35°	2070	2046	1950	1875	1858	1293
45°	1658	1624	1525	1445	1424	1281
55°	1240	1194	1107	1038	1018	1108
65°	812	782	717	666	653	806
75°	421	395	365	336	328	450
85°	97	91	89	77	73	116
90°	0	0	1	0	1	6
95°	65	57	54	42	42	76
105°	275	271	264	249	247	292
115°	523	522	512	497	496	516
125°	778	786	770	754	755	695
135°	1037	1049	1032	1013	1019	799
145°	1285	1300	1280	1265	1274	803
155°	1503	1518	1496	1487	1499	691
165°	1661	1679	1657	1648	1663	468
175°	1740	1759	1736	1725	1729	165
180°	1747	1747	1747	1747	1747	

TEST NUMBER: P1057029

CATALOG NUMBER: CB2-D-055U-085D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2891.4	2891.4	2891.4	2891.4	2891.4
2.5°	2871.9	2906.5	2880.8	2884.4	2889.6
5°	2856.0	2894.9	2860.4	2860.8	2880.3
7.5°	2835.6	2872.4	2829.0	2821.0	2839.1
10°	2807.3	2844.1	2800.6	2785.4	2798.4
12.5°	2770.1	2805.1	2763.4	2739.3	2750.6
15°	2709.8	2733.7	2692.1	2665.7	2670.0
17.5°	2644.3	2659.0	2599.1	2576.9	2572.6
20°	2594.7	2607.7	2537.2	2506.1	2501.7
22.5°	2531.0	2542.2	2468.1	2429.9	2423.8
25°	2435.3	2437.5	2366.7	2313.3	2300.3
27.5°	2335.2	2328.3	2249.8	2186.5	2169.6
30°	2262.6	2254.0	2163.0	2096.2	2081.1
32.5°	2184.7	2169.1	2078.0	2005.9	1990.8
35°	2070.0	2046.2	1950.5	1874.8	1857.5
37.5°	1947.8	1921.0	1826.9	1744.6	1725.1
40°	1866.3	1836.0	1740.1	1657.8	1638.3
42.5°	1784.9	1751.1	1653.4	1571.0	1549.7
45°	1658.2	1623.6	1525.4	1445.2	1423.6
47.5°	1537.8	1493.6	1398.3	1318.6	1296.9
50°	1454.5	1406.9	1315.1	1237.1	1215.4
52.5°	1369.5	1320.2	1231.8	1157.4	1135.7
55°	1239.8	1194.3	1107.0	1037.9	1018.4
57.5°	1111.4	1067.7	987.9	921.9	902.8
60°	1022.8	986.0	909.9	847.5	830.2
62.5°	937.8	904.5	832.0	774.9	757.6
65°	812.5	782.2	717.3	666.1	653.1
67.5°	690.7	660.4	607.9	562.0	547.3
70°	611.0	580.7	533.6	491.2	478.2
72.5°	534.9	502.8	464.5	425.7	416.2
75°	420.6	394.7	365.3	336.3	327.7
77.5°	319.7	294.6	273.2	252.8	250.6
80°	252.4	230.7	214.8	201.4	199.3
82.5°	188.6	172.2	161.6	151.9	151.4
85°	97.4	90.9	88.6	77.4	73.1
87.5°	28.3	28.3	25.1	21.3	21.5
90°	0.0	0.0	1.4	0.0	1.4
92.5°	16.4	14.2	13.4	8.8	10.1
95°	65.4	57.4	54.5	42.2	42.2
97.5°	123.5	115.5	111.2	98.6	95.9
100°	164.9	156.9	152.6	138.9	136.3
102.5°	207.4	203.7	196.2	181.5	178.8
105°	275.3	271.3	264.4	249.3	246.7
107.5°	345.1	345.9	335.5	323.2	319.4
110°	395.2	393.9	385.7	373.3	370.7

TEST NUMBER: P1057029

CATALOG NUMBER: CB2-D-055U-085D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	446.5	444.1	435.8	423.5	420.8
115°	523.3	522.0	512.4	497.4	496.1
117.5°	596.4	600.6	589.3	573.5	572.9
120°	648.7	654.0	640.5	626.8	624.2
122.5°	699.9	706.3	692.8	677.0	677.6
125°	778.2	786.1	770.0	753.7	755.0
127.5°	853.7	863.5	848.5	831.9	833.5
130°	904.9	916.9	900.8	883.1	885.8
132.5°	957.2	969.2	953.1	934.4	939.2
135°	1037.1	1049.1	1031.6	1012.7	1019.4
137.5°	1112.3	1124.3	1105.2	1089.3	1097.3
140°	1162.5	1174.5	1154.3	1139.5	1147.5
142.5°	1211.5	1225.6	1204.4	1188.6	1198.7
145°	1285.1	1299.8	1279.7	1264.9	1274.2
147.5°	1354.9	1369.5	1349.2	1334.9	1344.5
150°	1399.6	1414.2	1392.8	1380.8	1391.4
152.5°	1441.0	1457.8	1435.3	1423.3	1437.2
155°	1503.2	1517.8	1496.3	1487.1	1499.1
157.5°	1557.1	1574.2	1552.8	1544.8	1554.4
160°	1593.1	1609.1	1587.7	1579.7	1590.4
162.5°	1620.4	1637.4	1617.1	1608.1	1620.9
165°	1661.2	1678.6	1657.2	1647.9	1662.6
167.5°	1693.4	1711.8	1690.1	1680.7	1695.6
170°	1713.0	1730.4	1707.6	1697.0	1713.0
172.5°	1726.1	1744.5	1720.7	1710.0	1720.7
175°	1740.3	1758.9	1736.2	1725.4	1729.4
177.5°	1747.1	1762.0	1743.8	1734.3	1747.1
180°	1747.1	1747.1	1747.1	1747.1	1747.1

(END OF REPORT)