

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: P1057026

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

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057026
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-055D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 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: 8873.0 lumens
Efficiency: N/A
Efficacy: 118.9 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: General Diffuse

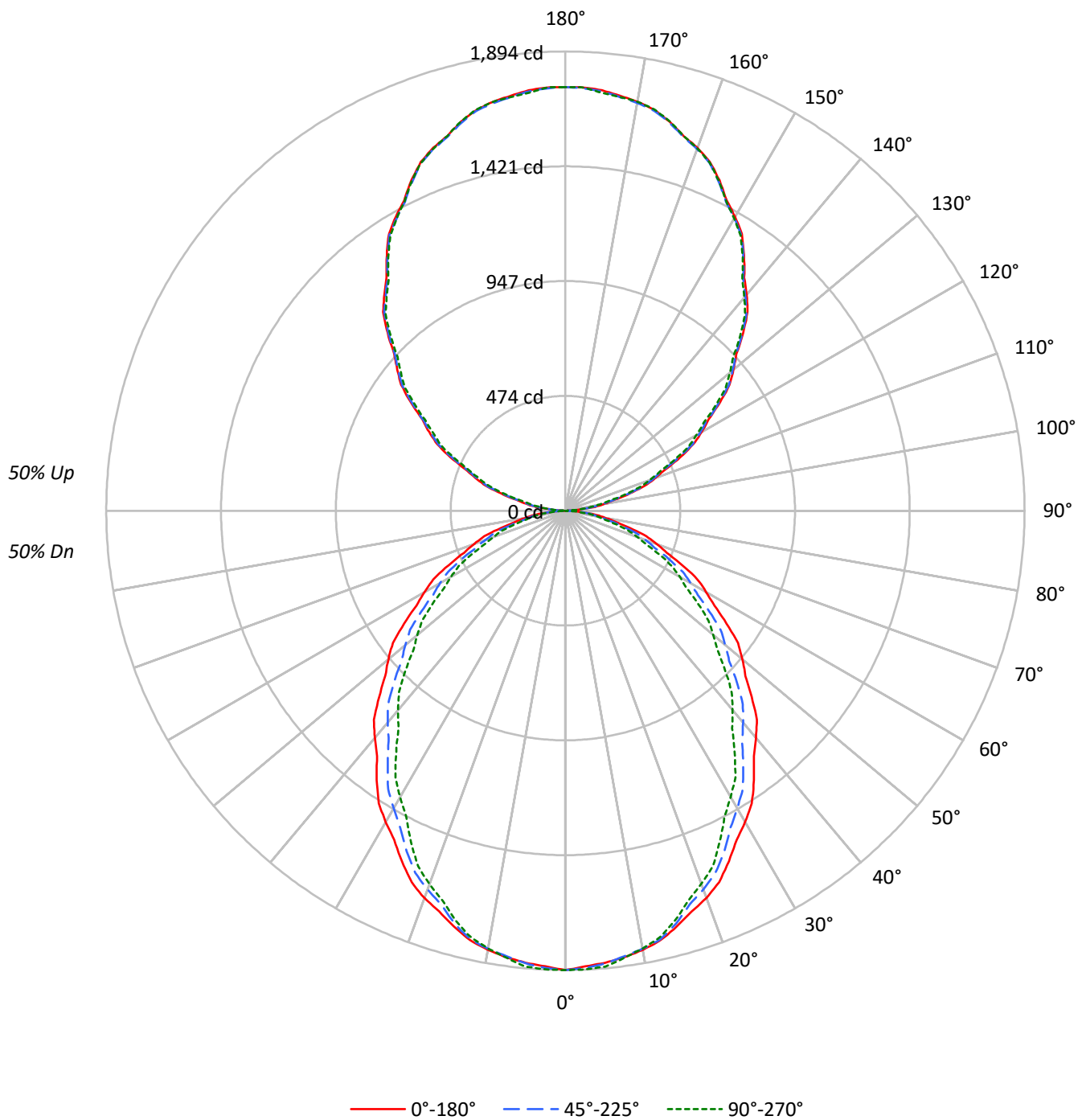
Input Watts (W): 74.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057026

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

Luminous Intensity Polar Plot



TEST NUMBER: P1057026

CATALOG NUMBER: CB2-D-055U-055D-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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56
1	98	94	90	86	90	87	83	80	73	71	69	61	59	58	50	49	48
2	89	82	76	71	82	76	71	66	64	60	57	54	51	49	44	42	40
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35
4	75	64	56	50	69	59	53	47	51	45	41	43	39	36	35	32	30
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	32	29	26
6	63	51	43	38	58	48	41	35	41	35	31	35	30	27	29	26	23
7	59	46	39	33	54	43	36	31	37	32	28	32	27	24	26	23	21
8	54	42	35	29	50	39	32	28	34	29	25	29	25	22	24	21	19
9	51	39	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16497	16497	16497
5°	16357	16382	16496
10°	16264	16225	16213
15°	16006	15901	15771
20°	15754	15405	15190
25°	15331	14899	14481
30°	14907	14250	13710
35°	14418	13585	12937
40°	13900	12960	12202
45°	13380	12309	11486
50°	12910	11673	10788
55°	12332	11011	10130
60°	11671	10382	9473
65°	10969	9683	8818
70°	10193	8902	7977
75°	9273	8052	7224
80°	8295	7056	6545
85°	6375	5795	4786

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13380 cd/sqm

TEST NUMBER: P1057026

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.1	2.0
10°-20°	496.6	5.6
20°-30°	714.0	8.0
30°-40°	802.5	9.0
40°-50°	775.2	8.7
50°-60°	655.0	7.4
60°-70°	470.5	5.3
70°-80°	257.1	2.9
80°-90°	68.4	0.8
90°-100°	67.5	0.8
100°-110°	278.4	3.1
110°-120°	505.3	5.7
120°-130°	687.6	7.7
130°-140°	793.8	8.9
140°-150°	799.9	9.0
150°-160°	690.3	7.8
160°-170°	467.9	5.3
170°-180°	165.0	1.9
0°-30°	1388.7	15.7
0°-40°	2191.2	24.7
0°-60°	3621.4	40.8
0°-90°	4417.4	49.8
90°-120°	851.2	9.6
90°-150°	3132.5	35.3
90°-180°	4456.0	50.2
0°-180°	8873.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1894	1894	1894	1894	1894	
5°	1871	1897	1874	1874	1887	178
15°	1775	1791	1764	1746	1749	500
25°	1596	1597	1550	1516	1507	734
35°	1356	1341	1278	1228	1217	847
45°	1086	1064	999	947	933	839
55°	812	782	725	680	667	726
65°	532	512	470	436	428	528
75°	276	259	239	220	215	295
85°	64	60	58	51	48	76
90°	0	0	1	0	1	5
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: P1057026

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1894.3	1894.3	1894.3	1894.3	1894.3
2.5°	1881.5	1904.2	1887.3	1889.7	1893.1
5°	1871.1	1896.6	1874.0	1874.3	1887.0
7.5°	1857.7	1881.8	1853.4	1848.1	1860.0
10°	1839.2	1863.3	1834.8	1824.9	1833.4
12.5°	1814.8	1837.8	1810.4	1794.7	1802.0
15°	1775.3	1790.9	1763.7	1746.4	1749.2
17.5°	1732.4	1742.1	1702.8	1688.3	1685.4
20°	1699.9	1708.4	1662.2	1641.8	1639.0
22.5°	1658.1	1665.5	1617.0	1591.9	1587.9
25°	1595.5	1596.9	1550.5	1515.5	1507.0
27.5°	1529.9	1525.4	1473.9	1432.5	1421.4
30°	1482.4	1476.7	1417.1	1373.3	1363.4
32.5°	1431.3	1421.1	1361.4	1314.2	1304.2
35°	1356.2	1340.6	1277.8	1228.3	1216.9
37.5°	1276.1	1258.5	1196.9	1142.9	1130.2
40°	1222.7	1202.9	1140.0	1086.1	1073.3
42.5°	1169.3	1147.2	1083.2	1029.2	1015.3
45°	1086.4	1063.7	999.4	946.8	932.6
47.5°	1007.5	978.5	916.1	863.9	849.7
50°	952.9	921.7	861.6	810.5	796.3
52.5°	897.2	864.9	807.0	758.3	744.1
55°	812.2	782.5	725.2	680.0	667.2
57.5°	728.1	699.5	647.2	604.0	591.5
60°	670.1	646.0	596.1	555.3	543.9
62.5°	614.4	592.6	545.1	507.7	496.3
65°	532.3	512.5	469.9	436.4	427.9
67.5°	452.5	432.7	398.3	368.2	358.5
70°	400.3	380.5	349.6	321.8	313.3
72.5°	350.4	329.4	304.3	278.9	272.7
75°	275.6	258.6	239.3	220.3	214.7
77.5°	209.4	193.0	179.0	165.6	164.2
80°	165.4	151.2	140.7	132.0	130.5
82.5°	123.6	112.8	105.9	99.5	99.2
85°	63.8	59.6	58.0	50.7	47.9
87.5°	18.6	18.6	16.5	13.9	14.2
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: P1057026

CATALOG NUMBER: CB2-D-055U-055D-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)