

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: P709280

Luminaire Tested: DL2W-BB-M-OU-075D-930-UNV-STD-W-WM-4

Issue Date: 3/5/2020

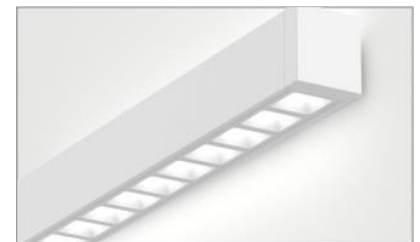
Test Information

Test Method: LM-79-2019
Report Number: P709280
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-BB-M-0U-075D-930-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 750 LUMENS PER FOOT
DIRECT ONLY
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2873.8 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.22 / 1.16
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Direct

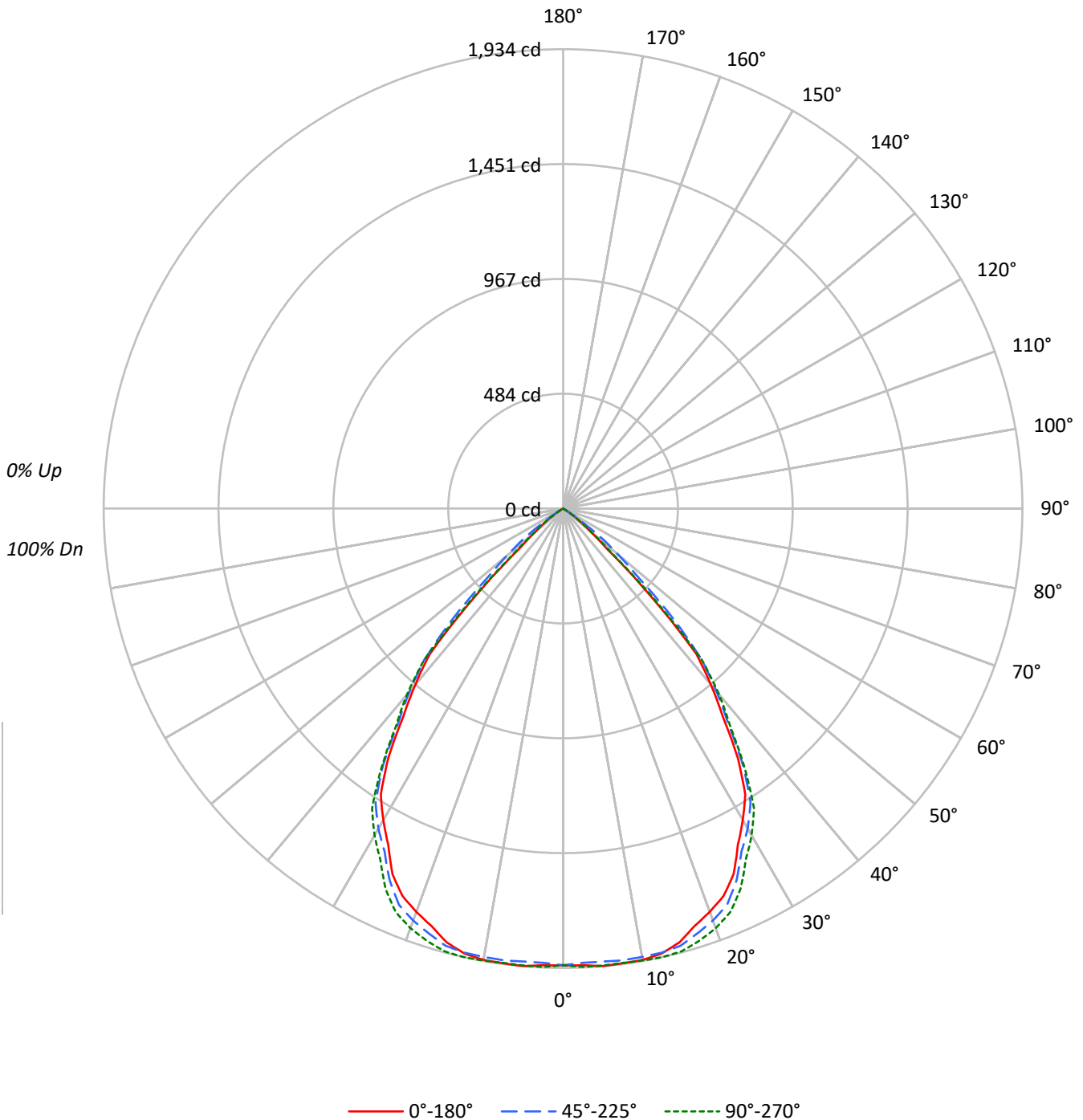
Input Watts (W): 27.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92				
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84				
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76				
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70				
5	88	79	72	67	86	78	72	67	76	70	66	74	69	66	72	68	65	63				
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58				
7	78	67	61	56	76	67	60	56	65	60	55	64	59	55	63	58	55	53				
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49				
9	69	58	52	47	68	58	51	47	57	51	47	56	50	47	55	50	46	45				
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	47	43	42				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	31042	31042	31042	31042	31042
5°	31332	31019	31285	31019	31332
10°	31632	31423	31678	31423	31632
15°	31607	31858	32251	31858	31607
20°	31036	31706	32292	31706	31036
25°	30259	30775	31493	30775	30259
30°	28225	28983	29604	28983	28225
35°	25288	26058	26276	26058	25288
40°	20394	21181	21549	21181	20394
45°	12056	14987	12849	14987	12056
50°	3793	7664	4011	7664	3793
55°	1517	2695	1517	2695	1517
60°	32	731	94	731	32
65°	0	27	0	27	0
70°	0	0	0	0	0
75°	0	0	0	0	0
80°	0	0	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 50°
 Vertical Angle: 45°
 Luminance: 15041 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.8	6.4
10°-20°	538.5	18.7
20°-30°	792.2	27.6
30°-40°	809.7	28.2
40°-50°	466.4	16.2
50°-60°	80.3	2.8
60°-70°	2.9	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1514.5	52.7
0°-40°	2324.3	80.9
0°-60°	2871.0	99.9
0°-90°	2873.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2873.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1923	1923	1923	1923	1923	
5°	1933	1914	1930	1914	1933	184
15°	1891	1906	1929	1906	1891	531
25°	1698	1728	1768	1728	1698	773
35°	1283	1322	1333	1322	1283	787
45°	528	656	563	656	528	409
55°	54	96	54	96	54	55
65°	0	1	0	1	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6
2.5°	1924.2	1925.9	1927.6	1922.1	1914.3	1913.7	1920.6	1926.3	1928.7	1931.1	1928.7
5°	1933.2	1934.1	1934.9	1926.5	1914.9	1912.8	1920.1	1926.1	1928.2	1930.3	1928.2
7.5°	1930.9	1933.0	1935.2	1928.6	1919.1	1916.9	1922.1	1926.3	1927.7	1929.2	1927.7
10°	1929.4	1931.5	1933.6	1926.8	1917.0	1916.3	1924.9	1931.4	1931.8	1932.2	1931.8
12.5°	1918.6	1922.4	1926.3	1921.4	1913.6	1916.4	1929.7	1939.1	1936.4	1933.8	1936.4
15°	1890.9	1896.4	1902.0	1902.4	1901.2	1910.6	1930.6	1943.9	1936.6	1929.4	1936.6
17.5°	1842.4	1850.3	1858.1	1863.6	1868.3	1884.1	1910.8	1928.3	1918.1	1907.8	1918.1
20°	1806.3	1813.1	1819.9	1827.7	1835.9	1854.7	1884.2	1903.3	1891.3	1879.4	1891.3
22.5°	1765.5	1770.9	1776.4	1785.4	1795.6	1814.7	1842.9	1861.2	1850.3	1839.3	1850.3
25°	1698.5	1701.5	1704.5	1711.0	1718.7	1736.3	1763.6	1782.3	1775.0	1767.8	1775.0
27.5°	1594.7	1598.5	1602.4	1610.5	1620.1	1635.1	1655.6	1670.5	1668.5	1666.4	1668.5
30°	1513.9	1521.1	1528.4	1537.9	1548.2	1561.0	1576.4	1587.9	1587.9	1587.9	1587.9
32.5°	1427.7	1435.0	1442.2	1452.5	1463.8	1474.9	1485.8	1494.3	1495.3	1496.4	1495.3
35°	1283.0	1289.4	1295.9	1305.8	1316.9	1327.2	1336.6	1342.5	1337.8	1333.1	1337.8
37.5°	1105.3	1110.7	1116.1	1126.4	1138.4	1147.9	1155.0	1159.9	1158.1	1156.3	1158.1
40°	967.6	975.7	983.8	992.3	1000.8	1009.1	1017.3	1023.2	1022.8	1022.4	1022.8
42.5°	829.8	833.2	836.5	847.6	861.3	872.0	879.8	883.5	874.8	866.2	874.8
45°	528.0	572.1	616.1	638.6	654.0	658.7	652.7	638.7	600.7	562.7	600.7
47.5°	248.7	295.3	341.9	386.4	430.3	438.3	410.3	377.5	330.1	282.8	330.1
50°	151.0	166.8	182.6	235.6	301.0	309.2	260.0	216.1	187.9	159.7	187.9
52.5°	101.8	110.7	119.7	158.4	207.1	209.9	166.9	131.5	119.0	106.6	119.0
55°	53.9	56.4	59.0	75.0	95.5	96.0	76.3	60.7	57.3	53.9	57.3
57.5°	20.2	24.4	28.6	35.1	42.3	42.1	34.4	27.5	22.9	18.3	22.9
60°	1.0	4.8	8.7	15.1	22.3	23.0	17.0	11.4	7.2	2.9	7.2
62.5°	0.2	1.3	2.4	7.1	13.0	13.1	7.5	3.0	1.8	0.6	1.8
65°	0.0	0.0	0.0	0.3	0.7	0.7	0.3	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6	1922.6
2.5°	1926.3	1920.6	1913.7	1914.3	1922.1	1927.6	1925.9	1924.2
5°	1926.1	1920.1	1912.8	1914.9	1926.5	1934.9	1934.1	1933.2
7.5°	1926.3	1922.1	1916.9	1919.1	1928.6	1935.2	1933.0	1930.9
10°	1931.4	1924.9	1916.3	1917.0	1926.8	1933.6	1931.5	1929.4
12.5°	1939.1	1929.7	1916.4	1913.6	1921.4	1926.3	1922.4	1918.6
15°	1943.9	1930.6	1910.6	1901.2	1902.4	1902.0	1896.4	1890.9
17.5°	1928.3	1910.8	1884.1	1868.3	1863.6	1858.1	1850.3	1842.4
20°	1903.3	1884.2	1854.7	1835.9	1827.7	1819.9	1813.1	1806.3
22.5°	1861.2	1842.9	1814.7	1795.6	1785.4	1776.4	1770.9	1765.5
25°	1782.3	1763.6	1736.3	1718.7	1711.0	1704.5	1701.5	1698.5
27.5°	1670.5	1655.6	1635.1	1620.1	1610.5	1602.4	1598.5	1594.7
30°	1587.9	1576.4	1561.0	1548.2	1537.9	1528.4	1521.1	1513.9
32.5°	1494.3	1485.8	1474.9	1463.8	1452.5	1442.2	1435.0	1427.7
35°	1342.5	1336.6	1327.2	1316.9	1305.8	1295.9	1289.4	1283.0
37.5°	1159.9	1155.0	1147.9	1138.4	1126.4	1116.1	1110.7	1105.3
40°	1023.2	1017.3	1009.1	1000.8	992.3	983.8	975.7	967.6
42.5°	883.5	879.8	872.0	861.3	847.6	836.5	833.2	829.8
45°	638.7	652.7	658.7	654.0	638.6	616.1	572.1	528.0
47.5°	377.5	410.3	438.3	430.3	386.4	341.9	295.3	248.7
50°	216.1	260.0	309.2	301.0	235.6	182.6	166.8	151.0
52.5°	131.5	166.9	209.9	207.1	158.4	119.7	110.7	101.8
55°	60.7	76.3	96.0	95.5	75.0	59.0	56.4	53.9
57.5°	27.5	34.4	42.1	42.3	35.1	28.6	24.4	20.2
60°	11.4	17.0	23.0	22.3	15.1	8.7	4.8	1.0
62.5°	3.0	7.5	13.1	13.0	7.1	2.4	1.3	0.2
65°	0.0	0.3	0.7	0.7	0.3	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)