

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: P709281

Luminaire Tested: DL2W-BB-M-OU-075D-935-UNV-STD-W-WM-4

Issue Date: 3/5/2020

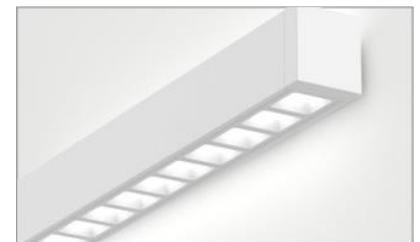
Test Information

Test Method: LM-79-2019
Report Number: P709281
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-935-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: 2988.0 lumens
Efficiency: N/A
Efficacy: 108.3 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

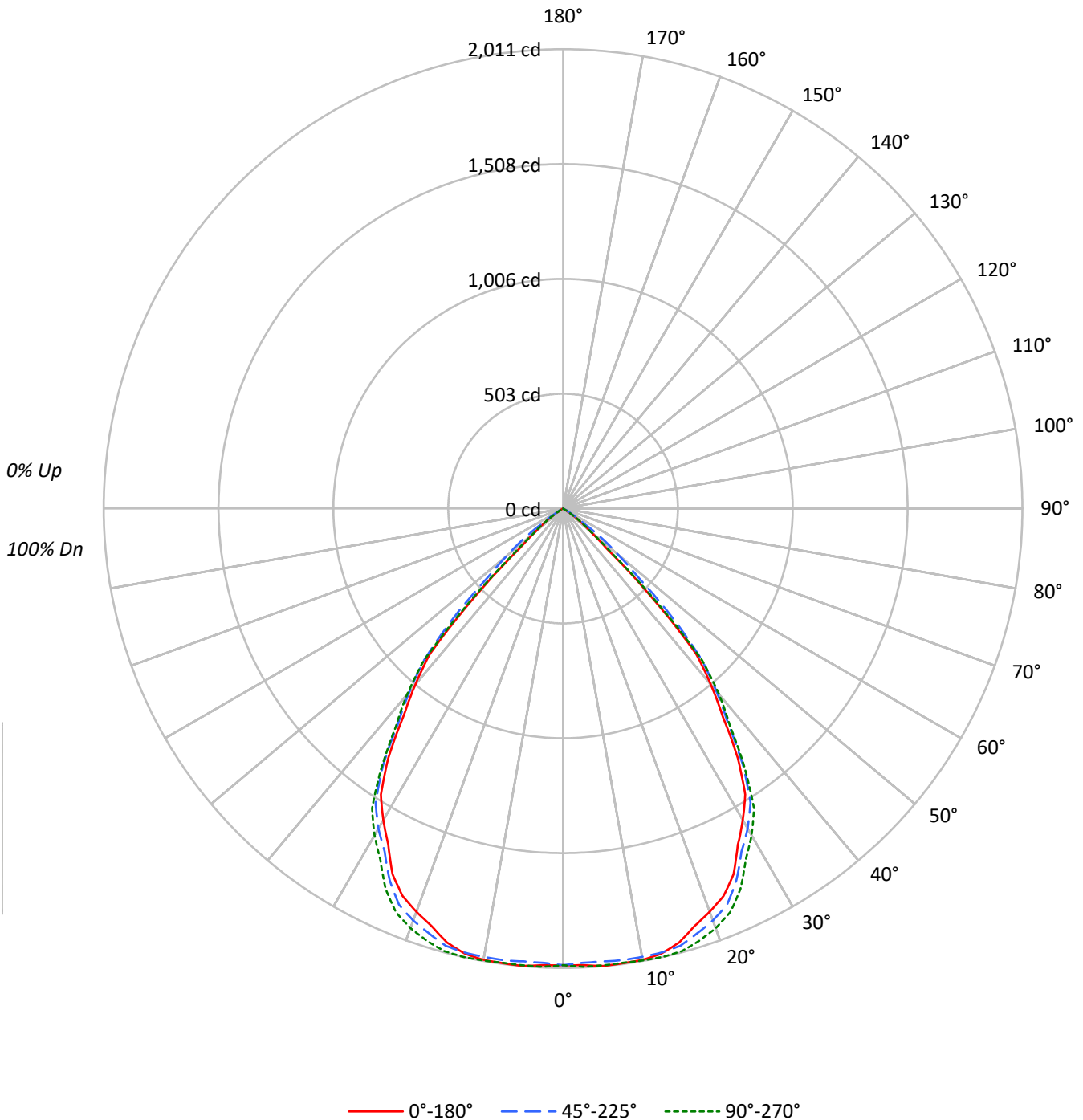
Input Watts (W): 27.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	32276	32276	32276	32276	32276
5°	32577	32251	32528	32251	32577
10°	32888	32671	32937	32671	32888
15°	32862	33122	33531	33122	32862
20°	32268	32965	33574	32965	32268
25°	31461	31997	32744	31997	31461
30°	29345	30135	30781	30135	29345
35°	26294	27093	27319	27093	26294
40°	21203	22023	22405	22023	21203
45°	12536	15583	13358	15583	12536
50°	3944	7968	4170	7968	3944
55°	1576	2802	1576	2802	1576
60°	32	760	97	760	32
65°	0	31	0	31	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: 15639 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.1	6.4
10°-20°	559.9	18.7
20°-30°	823.7	27.6
30°-40°	841.9	28.2
40°-50°	485.0	16.2
50°-60°	83.5	2.8
60°-70°	3.0	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°	1574.7	52.7
0°-40°	2416.6	80.9
0°-60°	2985.0	99.9
0°-90°	2988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2988.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1999	1999	1999	1999	1999	
5°	2010	1990	2007	1990	2010	192
15°	1966	1982	2006	1982	1966	552
25°	1766	1796	1838	1796	1766	804
35°	1334	1375	1386	1375	1334	818
45°	549	682	585	682	549	425
55°	56	100	56	100	56	57
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°	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0
2.5°	2000.6	2002.4	2004.2	1998.5	1990.3	1989.8	1996.9	2002.8	2005.3	2007.8	2005.3
5°	2010.0	2010.9	2011.8	2003.0	1991.0	1988.8	1996.3	2002.6	2004.8	2007.0	2004.8
7.5°	2007.6	2009.8	2012.0	2005.2	1995.3	1993.1	1998.4	2002.8	2004.3	2005.8	2004.3
10°	2006.0	2008.2	2010.4	2003.3	1993.1	1992.4	2001.3	2008.1	2008.6	2009.0	2008.6
12.5°	1994.8	1998.8	2002.8	1997.7	1989.6	1992.5	2006.4	2016.1	2013.4	2010.6	2013.4
15°	1966.0	1971.8	1977.6	1978.0	1976.7	1986.4	2007.3	2021.1	2013.6	2006.0	2013.6
17.5°	1915.6	1923.8	1932.0	1937.7	1942.6	1958.9	1986.7	2004.9	1994.3	1983.6	1994.3
20°	1878.0	1885.1	1892.2	1900.3	1908.8	1928.3	1959.0	1978.9	1966.4	1954.0	1966.4
22.5°	1835.6	1841.3	1847.0	1856.3	1866.9	1886.8	1916.1	1935.2	1923.8	1912.4	1923.8
25°	1766.0	1769.1	1772.2	1779.0	1787.0	1805.2	1833.7	1853.1	1845.6	1838.0	1845.6
27.5°	1658.0	1662.0	1666.0	1674.5	1684.4	1700.1	1721.4	1736.9	1734.7	1732.6	1734.7
30°	1574.0	1581.6	1589.1	1599.0	1609.7	1623.0	1639.0	1651.0	1651.0	1651.0	1651.0
32.5°	1484.4	1492.0	1499.5	1510.2	1521.9	1533.5	1544.9	1553.7	1554.7	1555.8	1554.7
35°	1334.0	1340.7	1347.3	1357.7	1369.2	1379.9	1389.7	1395.8	1390.9	1386.0	1390.9
37.5°	1149.2	1154.8	1160.4	1171.1	1183.6	1193.5	1200.9	1205.9	1204.1	1202.2	1204.1
40°	1006.0	1014.4	1022.9	1031.7	1040.6	1049.2	1057.7	1063.9	1063.4	1063.0	1063.4
42.5°	862.8	866.3	869.7	881.3	895.5	906.6	914.7	918.6	909.6	900.6	909.6
45°	549.0	594.8	640.6	664.0	680.0	684.9	678.7	664.1	624.6	585.0	624.6
47.5°	258.6	307.0	355.5	401.8	447.4	455.7	426.6	392.5	343.2	294.0	343.2
50°	157.0	173.4	189.9	245.0	313.0	321.4	270.3	224.7	195.3	166.0	195.3
52.5°	105.8	115.1	124.5	164.7	215.3	218.2	173.5	136.8	123.8	110.8	123.8
55°	56.0	58.7	61.3	78.0	99.3	99.8	79.3	63.1	59.6	56.0	59.6
57.5°	21.0	25.4	29.7	36.5	44.0	43.8	35.8	28.6	23.8	19.0	23.8
60°	1.0	5.0	9.0	15.7	23.2	23.9	17.7	11.9	7.4	3.0	7.4
62.5°	0.2	1.4	2.5	7.4	13.5	13.7	7.8	3.1	1.8	0.6	1.8
65°	0.0	0.0	0.0	0.3	0.8	0.8	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°	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0	1999.0
2.5°	2002.8	1996.9	1989.8	1990.3	1998.5	2004.2	2002.4	2000.6
5°	2002.6	1996.3	1988.8	1991.0	2003.0	2011.8	2010.9	2010.0
7.5°	2002.8	1998.4	1993.1	1995.3	2005.2	2012.0	2009.8	2007.6
10°	2008.1	2001.3	1992.4	1993.1	2003.3	2010.4	2008.2	2006.0
12.5°	2016.1	2006.4	1992.5	1989.6	1997.7	2002.8	1998.8	1994.8
15°	2021.1	2007.3	1986.4	1976.7	1978.0	1977.6	1971.8	1966.0
17.5°	2004.9	1986.7	1958.9	1942.6	1937.7	1932.0	1923.8	1915.6
20°	1978.9	1959.0	1928.3	1908.8	1900.3	1892.2	1885.1	1878.0
22.5°	1935.2	1916.1	1886.8	1866.9	1856.3	1847.0	1841.3	1835.6
25°	1853.1	1833.7	1805.2	1787.0	1779.0	1772.2	1769.1	1766.0
27.5°	1736.9	1721.4	1700.1	1684.4	1674.5	1666.0	1662.0	1658.0
30°	1651.0	1639.0	1623.0	1609.7	1599.0	1589.1	1581.6	1574.0
32.5°	1553.7	1544.9	1533.5	1521.9	1510.2	1499.5	1492.0	1484.4
35°	1395.8	1389.7	1379.9	1369.2	1357.7	1347.3	1340.7	1334.0
37.5°	1205.9	1200.9	1193.5	1183.6	1171.1	1160.4	1154.8	1149.2
40°	1063.9	1057.7	1049.2	1040.6	1031.7	1022.9	1014.4	1006.0
42.5°	918.6	914.7	906.6	895.5	881.3	869.7	866.3	862.8
45°	664.1	678.7	684.9	680.0	664.0	640.6	594.8	549.0
47.5°	392.5	426.6	455.7	447.4	401.8	355.5	307.0	258.6
50°	224.7	270.3	321.4	313.0	245.0	189.9	173.4	157.0
52.5°	136.8	173.5	218.2	215.3	164.7	124.5	115.1	105.8
55°	63.1	79.3	99.8	99.3	78.0	61.3	58.7	56.0
57.5°	28.6	35.8	43.8	44.0	36.5	29.7	25.4	21.0
60°	11.9	17.7	23.9	23.2	15.7	9.0	5.0	1.0
62.5°	3.1	7.8	13.7	13.5	7.4	2.5	1.4	0.2
65°	0.0	0.3	0.8	0.8	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)