

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: P709284

Luminaire Tested: DL2W-BB-M-OU-100D-935-UNV-STD-W-WM-4

Issue Date: 3/5/2020

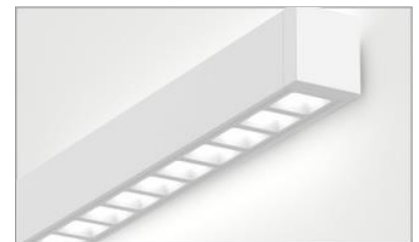
Test Information

Test Method: LM-79-2019
Report Number: P709284
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-BB-M-0U-100D-935-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT
DIRECT ONLY
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3992.9 lumens
Efficiency: N/A
Efficacy: 104.8 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

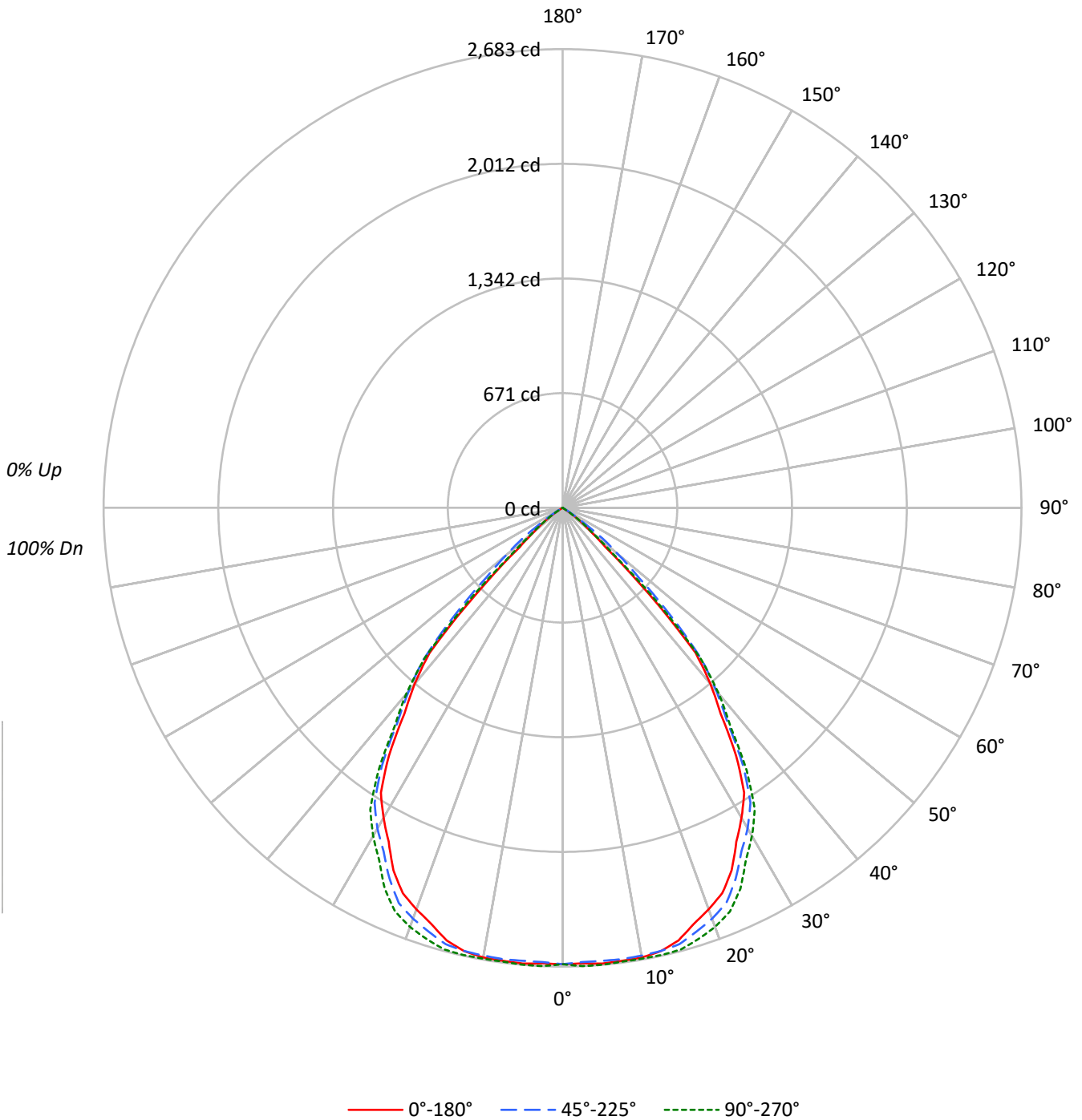
Input Watts (W): 38.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20				
RC	80					70					50					30				
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	89	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	71	67	76	70	66	74	69	66	72	68	65	63		
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58		
7	78	67	61	56	76	67	60	56	65	59	55	64	59	55	63	58	55	53		
8	73	63	56	51	72	62	55	51	61	55	51	60	54	50	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	46	43	41		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	43093	43093	43093	43093	43093
5°	43355	43097	43469	43097	43355
10°	43774	43596	43889	43596	43774
15°	43778	44159	44697	44159	43778
20°	42921	43928	44811	43928	42921
25°	41669	42646	43807	42646	41669
30°	39021	40351	41296	40351	39021
35°	34887	36298	36996	36298	34887
40°	28348	29479	30014	29479	28348
45°	16395	20579	18267	20579	16395
50°	5325	10758	5827	10758	5325
55°	2083	3835	2027	3835	2083
60°	32	1058	161	1058	32
65°	0	69	0	69	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: 20660 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.1	6.4
10°-20°	745.9	18.7
20°-30°	1099.5	27.5
30°-40°	1125.9	28.2
40°-50°	648.7	16.2
50°-60°	113.4	2.8
60°-70°	4.3	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°	2100.5	52.6
0°-40°	3226.3	80.8
0°-60°	3988.5	99.9
0°-90°	3992.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3992.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2669	2669	2669	2669	2669	
5°	2675	2659	2682	2659	2675	255
15°	2619	2642	2674	2642	2619	735
25°	2339	2394	2459	2394	2339	1067
35°	1770	1842	1877	1842	1770	1087
45°	718	901	800	901	718	565
55°	74	136	72	136	74	76
65°	0	2	0	2	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°	2669.0	2669.0	2669.0	2669.0	2669.0	2669.0	2669.0	2669.0	2669.0	2669.0	2669.0
2.5°	2666.6	2670.9	2675.1	2669.0	2659.4	2659.2	2668.5	2676.2	2679.4	2682.6	2679.4
5°	2675.0	2679.4	2683.9	2674.3	2660.1	2658.1	2668.3	2676.7	2679.3	2682.0	2679.3
7.5°	2671.6	2676.7	2681.7	2674.6	2663.4	2661.8	2669.7	2675.8	2676.4	2677.0	2676.4
10°	2670.0	2674.0	2678.0	2670.3	2658.8	2659.4	2672.3	2681.4	2679.2	2677.0	2679.2
12.5°	2655.6	2661.4	2667.2	2661.8	2652.7	2657.5	2676.1	2688.7	2683.7	2678.6	2683.7
15°	2619.0	2626.1	2633.2	2635.0	2635.0	2648.6	2675.7	2693.6	2683.8	2674.0	2683.8
17.5°	2551.6	2561.1	2570.6	2579.7	2588.7	2610.3	2644.4	2667.1	2655.6	2644.0	2655.6
20°	2498.0	2508.2	2518.4	2530.7	2543.6	2569.6	2608.7	2634.7	2621.3	2608.0	2621.3
22.5°	2439.6	2449.8	2460.0	2473.6	2488.3	2515.5	2555.3	2582.0	2569.0	2556.0	2569.0
25°	2339.0	2350.6	2362.1	2372.0	2381.3	2406.4	2447.3	2475.9	2467.4	2459.0	2467.4
27.5°	2201.0	2211.4	2221.8	2236.7	2253.0	2277.1	2308.8	2331.4	2326.4	2321.4	2326.4
30°	2093.0	2105.9	2118.8	2135.3	2153.1	2175.6	2202.7	2222.1	2218.6	2215.0	2218.6
32.5°	1976.2	1988.4	2000.6	2017.2	2035.3	2054.2	2073.9	2089.0	2090.4	2091.8	2090.4
35°	1770.0	1783.3	1796.7	1814.7	1834.2	1848.9	1858.7	1867.2	1872.1	1877.0	1872.1
37.5°	1519.4	1533.4	1547.3	1563.5	1580.4	1593.7	1603.5	1611.0	1611.9	1612.8	1611.9
40°	1345.0	1354.3	1363.7	1377.3	1392.4	1404.9	1414.7	1422.2	1423.1	1424.0	1423.1
42.5°	1151.4	1157.2	1163.0	1178.4	1197.1	1212.4	1224.3	1229.0	1212.1	1195.2	1212.1
45°	718.0	783.3	848.7	879.0	897.7	904.8	900.3	886.2	843.1	800.0	843.1
47.5°	340.8	409.5	478.2	540.8	601.3	611.8	572.1	528.0	470.4	412.8	470.4
50°	212.0	235.6	259.1	332.0	421.3	435.3	374.0	317.3	274.7	232.0	274.7
52.5°	142.4	154.2	166.0	221.1	290.5	296.8	240.1	192.4	171.8	151.2	171.8
55°	74.0	77.6	81.1	105.0	135.7	136.8	108.3	85.3	78.7	72.0	78.7
57.5°	25.0	32.0	39.0	49.2	60.4	60.3	48.8	38.6	32.2	25.8	32.2
60°	1.0	5.9	10.8	20.7	32.2	33.3	24.0	15.7	10.3	5.0	10.3
62.5°	1.0	2.0	3.0	9.5	17.8	18.2	10.7	4.6	3.2	1.8	3.2
65°	0.0	0.4	0.9	1.3	1.8	1.8	1.3	0.9	0.4	0.0	0.4
67.5°	0.0	0.0	0.0	0.3	0.6	0.8	0.8	0.7	0.4	0.0	0.4
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°	2669.0	2669.0	2669.0	2669.0	2669.0	2669.0	2669.0	2669.0
2.5°	2676.2	2668.5	2659.2	2659.4	2669.0	2675.1	2670.9	2666.6
5°	2676.7	2668.3	2658.1	2660.1	2674.3	2683.9	2679.4	2675.0
7.5°	2675.8	2669.7	2661.8	2663.4	2674.6	2681.7	2676.7	2671.6
10°	2681.4	2672.3	2659.4	2658.8	2670.3	2678.0	2674.0	2670.0
12.5°	2688.7	2676.1	2657.5	2652.7	2661.8	2667.2	2661.4	2655.6
15°	2693.6	2675.7	2648.6	2635.0	2635.0	2633.2	2626.1	2619.0
17.5°	2667.1	2644.4	2610.3	2588.7	2579.7	2570.6	2561.1	2551.6
20°	2634.7	2608.7	2569.6	2543.6	2530.7	2518.4	2508.2	2498.0
22.5°	2582.0	2555.3	2515.5	2488.3	2473.6	2460.0	2449.8	2439.6
25°	2475.9	2447.3	2406.4	2381.3	2372.0	2362.1	2350.6	2339.0
27.5°	2331.4	2308.8	2277.1	2253.0	2236.7	2221.8	2211.4	2201.0
30°	2222.1	2202.7	2175.6	2153.1	2135.3	2118.8	2105.9	2093.0
32.5°	2089.0	2073.9	2054.2	2035.3	2017.2	2000.6	1988.4	1976.2
35°	1867.2	1858.7	1848.9	1834.2	1814.7	1796.7	1783.3	1770.0
37.5°	1611.0	1603.5	1593.7	1580.4	1563.5	1547.3	1533.4	1519.4
40°	1422.2	1414.7	1404.9	1392.4	1377.3	1363.7	1354.3	1345.0
42.5°	1229.0	1224.3	1212.4	1197.1	1178.4	1163.0	1157.2	1151.4
45°	886.2	900.3	904.8	897.7	879.0	848.7	783.3	718.0
47.5°	528.0	572.1	611.8	601.3	540.8	478.2	409.5	340.8
50°	317.3	374.0	435.3	421.3	332.0	259.1	235.6	212.0
52.5°	192.4	240.1	296.8	290.5	221.1	166.0	154.2	142.4
55°	85.3	108.3	136.8	135.7	105.0	81.1	77.6	74.0
57.5°	38.6	48.8	60.3	60.4	49.2	39.0	32.0	25.0
60°	15.7	24.0	33.3	32.2	20.7	10.8	5.9	1.0
62.5°	4.6	10.7	18.2	17.8	9.5	3.0	2.0	1.0
65°	0.9	1.3	1.8	1.8	1.3	0.9	0.4	0.0
67.5°	0.7	0.8	0.8	0.6	0.3	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)