

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: P709286

Luminaire Tested: DL2W-BB-M-OU-125D-930-UNV-STD-W-WM-4

Issue Date: 3/5/2020

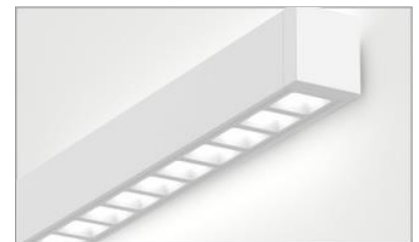
Test Information

Test Method: LM-79-2019
Report Number: P709286
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-BB-M-0U-125D-930-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1250 LUMENS PER FOOT
DIRECT ONLY
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4806.0 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.23 / 1.17
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Direct

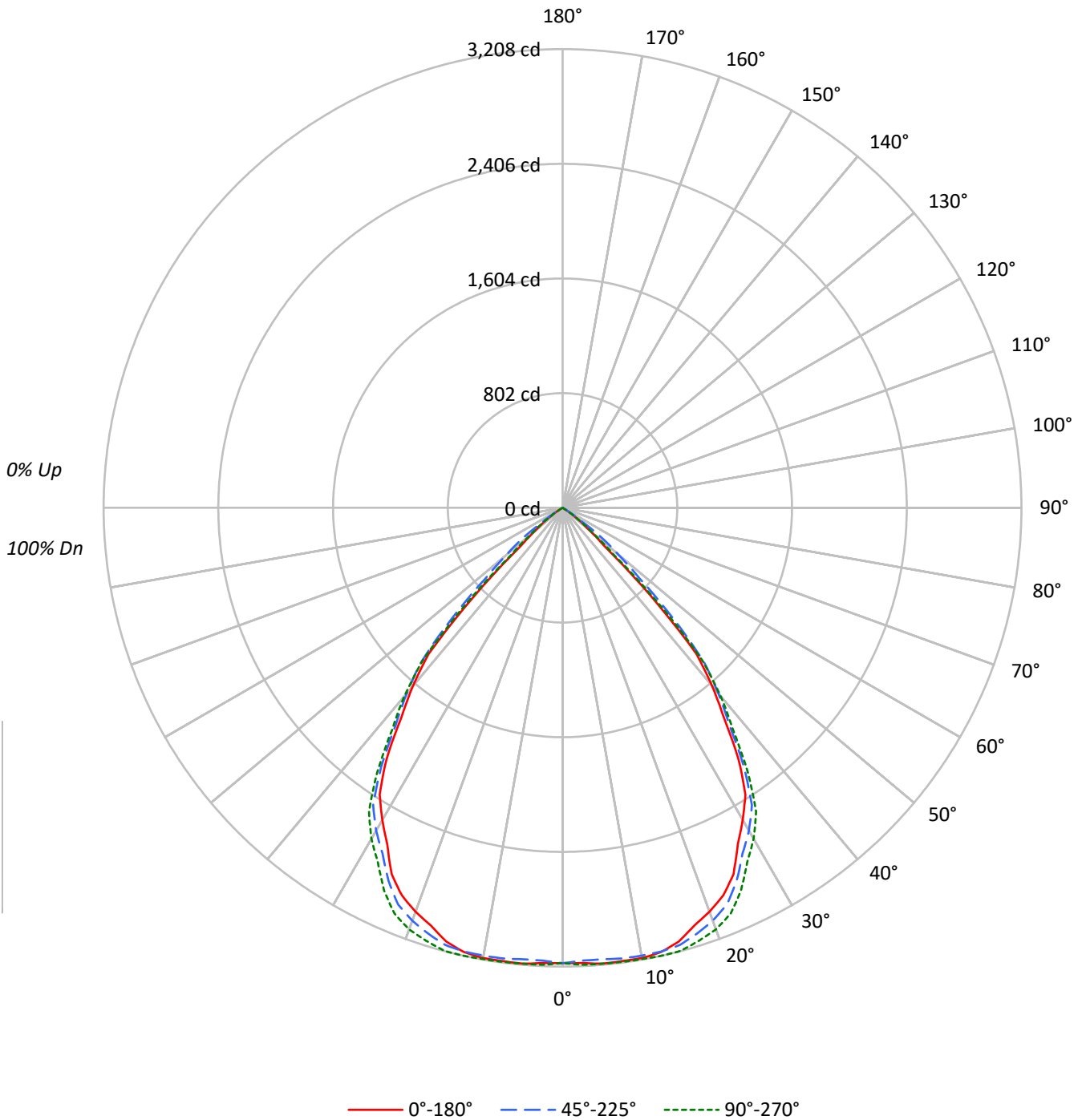
Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	91	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	75	72	78	74	71	69
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	60	56	76	67	60	55	65	59	55	64	59	55	63	58	55	53
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49
9	69	58	51	47	68	58	51	47	57	51	47	56	50	46	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°	51400	51400	51400	51400	51400
5°	51862	51360	51862	51360	51862
10°	52415	52136	52524	52136	52415
15°	52475	52911	53585	52911	52475
20°	51627	52783	53890	52783	51627
25°	50358	51279	52586	51279	50358
30°	46961	48574	49795	48574	46961
35°	42275	43532	44532	43532	42275
40°	34279	35692	36267	35692	34279
45°	19941	24953	22137	24953	19941
50°	6355	12878	7224	12878	6355
55°	2545	4486	2463	4486	2545
60°	61	1232	187	1232	61
65°	0	65	38	65	0
70°	0	40	0	40	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: 60°
 Vertical Angle: 45°
 Luminance: 25154 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.7	6.3
10°-20°	894.6	18.6
20°-30°	1322.2	27.5
30°-40°	1358.8	28.3
40°-50°	784.8	16.3
50°-60°	135.7	2.8
60°-70°	5.1	0.1
70°-80°	0.1	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°	2521.5	52.5
0°-40°	3880.3	80.7
0°-60°	4800.8	99.9
0°-90°	4806.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4806.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3184	3184	3184	3184	3184	
5°	3200	3169	3200	3169	3200	305
15°	3139	3165	3206	3165	3139	882
25°	2827	2878	2952	2878	2827	1286
35°	2145	2209	2259	2209	2145	1315
45°	873	1093	970	1093	873	679
55°	90	159	88	159	90	92
65°	0	2	1	2	0	1
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°	3183.5	3183.5	3183.5	3183.5	3183.5	3183.5	3183.5	3183.5	3183.5	3183.5	3183.5
2.5°	3185.9	3188.9	3192.0	3183.0	3170.0	3169.2	3180.5	3190.0	3194.1	3198.2	3194.1
5°	3199.9	3202.9	3205.9	3191.2	3170.7	3167.1	3180.3	3191.4	3195.6	3199.9	3195.6
7.5°	3197.0	3201.8	3206.6	3195.7	3179.5	3177.1	3188.5	3197.7	3200.3	3203.0	3200.3
10°	3197.0	3200.4	3203.9	3194.1	3180.0	3180.0	3194.1	3204.6	3204.2	3203.7	3204.2
12.5°	3182.4	3188.2	3194.0	3186.9	3175.6	3180.5	3201.8	3216.7	3212.6	3208.4	3212.6
15°	3139.3	3149.6	3159.8	3160.5	3157.9	3172.9	3205.4	3227.0	3216.4	3205.7	3216.4
17.5°	3063.1	3076.0	3088.8	3099.4	3109.2	3135.0	3176.7	3204.1	3188.7	3173.4	3188.7
20°	3004.7	3017.5	3030.3	3043.4	3056.7	3087.3	3135.1	3167.2	3151.8	3136.4	3151.8
22.5°	2933.9	2945.7	2957.5	2971.4	2986.0	3019.0	3070.2	3104.5	3087.8	3071.0	3087.8
25°	2826.7	2831.4	2836.1	2848.2	2862.7	2894.2	2942.5	2975.7	2963.7	2951.8	2963.7
27.5°	2652.8	2663.9	2674.9	2691.9	2711.0	2739.2	2776.5	2803.3	2799.1	2794.8	2799.1
30°	2518.9	2534.8	2550.6	2570.9	2592.7	2618.1	2647.2	2669.2	2670.1	2670.9	2670.1
32.5°	2378.9	2395.1	2411.2	2430.6	2451.0	2475.9	2505.4	2526.3	2522.1	2517.8	2522.1
35°	2144.8	2157.2	2169.6	2183.9	2198.9	2218.3	2242.3	2260.1	2259.7	2259.3	2259.7
37.5°	1854.2	1861.2	1868.2	1885.2	1905.5	1924.0	1940.5	1953.4	1955.5	1957.6	1955.5
40°	1626.4	1634.1	1641.8	1661.0	1684.1	1702.7	1716.8	1726.6	1723.6	1720.7	1723.6
42.5°	1384.8	1394.2	1403.6	1426.3	1453.5	1472.3	1482.6	1485.5	1465.7	1446.0	1465.7
45°	873.3	949.0	1024.6	1061.8	1086.2	1099.4	1101.6	1088.3	1028.9	969.5	1028.9
47.5°	398.4	487.2	576.0	651.5	722.6	737.1	695.0	644.9	570.5	496.1	570.5
50°	253.0	278.2	303.4	392.7	503.4	522.0	448.5	381.6	334.6	287.6	334.6
52.5°	168.3	182.9	197.6	266.5	353.7	360.6	287.4	227.0	204.6	182.2	204.6
55°	90.4	94.7	99.0	125.4	159.1	159.6	126.6	100.3	93.9	87.5	93.9
57.5°	34.2	40.7	47.2	58.6	71.6	71.4	58.0	46.1	39.0	31.9	39.0
60°	1.9	7.1	12.2	23.7	37.4	38.9	28.2	18.6	12.2	5.8	12.2
62.5°	1.2	2.2	3.2	10.9	20.8	21.3	12.3	5.2	3.5	1.9	3.5
65°	0.0	0.4	0.9	1.3	1.7	1.7	1.3	1.0	1.0	1.0	1.0
67.5°	0.0	0.0	0.0	0.3	0.7	1.0	1.0	0.9	0.4	0.0	0.4
70°	0.0	0.0	0.0	0.3	0.7	1.0	1.0	0.9	0.4	0.0	0.4
72.5°	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.1	0.0	0.1
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°	3183.5	3183.5	3183.5	3183.5	3183.5	3183.5	3183.5	3183.5
2.5°	3190.0	3180.5	3169.2	3170.0	3183.0	3192.0	3188.9	3185.9
5°	3191.4	3180.3	3167.1	3170.7	3191.2	3205.9	3202.9	3199.9
7.5°	3197.7	3188.5	3177.1	3179.5	3195.7	3206.6	3201.8	3197.0
10°	3204.6	3194.1	3180.0	3180.0	3194.1	3203.9	3200.4	3197.0
12.5°	3216.7	3201.8	3180.5	3175.6	3186.9	3194.0	3188.2	3182.4
15°	3227.0	3205.4	3172.9	3157.9	3160.5	3159.8	3149.6	3139.3
17.5°	3204.1	3176.7	3135.0	3109.2	3099.4	3088.8	3076.0	3063.1
20°	3167.2	3135.1	3087.3	3056.7	3043.4	3030.3	3017.5	3004.7
22.5°	3104.5	3070.2	3019.0	2986.0	2971.4	2957.5	2945.7	2933.9
25°	2975.7	2942.5	2894.2	2862.7	2848.2	2836.1	2831.4	2826.7
27.5°	2803.3	2776.5	2739.2	2711.0	2691.9	2674.9	2663.9	2652.8
30°	2669.2	2647.2	2618.1	2592.7	2570.9	2550.6	2534.8	2518.9
32.5°	2526.3	2505.4	2475.9	2451.0	2430.6	2411.2	2395.1	2378.9
35°	2260.1	2242.3	2218.3	2198.9	2183.9	2169.6	2157.2	2144.8
37.5°	1953.4	1940.5	1924.0	1905.5	1885.2	1868.2	1861.2	1854.2
40°	1726.6	1716.8	1702.7	1684.1	1661.0	1641.8	1634.1	1626.4
42.5°	1485.5	1482.6	1472.3	1453.5	1426.3	1403.6	1394.2	1384.8
45°	1088.3	1101.6	1099.4	1086.2	1061.8	1024.6	949.0	873.3
47.5°	644.9	695.0	737.1	722.6	651.5	576.0	487.2	398.4
50°	381.6	448.5	522.0	503.4	392.7	303.4	278.2	253.0
52.5°	227.0	287.4	360.6	353.7	266.5	197.6	182.9	168.3
55°	100.3	126.6	159.6	159.1	125.4	99.0	94.7	90.4
57.5°	46.1	58.0	71.4	71.6	58.6	47.2	40.7	34.2
60°	18.6	28.2	38.9	37.4	23.7	12.2	7.1	1.9
62.5°	5.2	12.3	21.3	20.8	10.9	3.2	2.2	1.2
65°	1.0	1.3	1.7	1.7	1.3	0.9	0.4	0.0
67.5°	0.9	1.0	1.0	0.7	0.3	0.0	0.0	0.0
70°	0.9	1.0	1.0	0.7	0.3	0.0	0.0	0.0
72.5°	0.2	0.2	0.2	0.1	0.1	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)