

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: P709370

Luminaire Tested: DL2W-WB-M-0U-125D-930-UNV-STD-W-WM-4

Issue Date: 3/5/2020

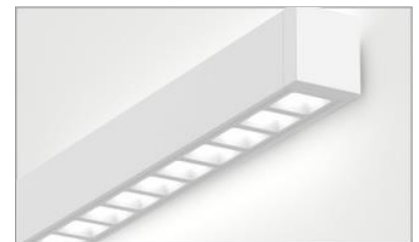
Test Information

Test Method: LM-79-2019
Report Number: P709370
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-WB-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: 5238.2 lumens
Efficiency: N/A
Efficacy: 105.4 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

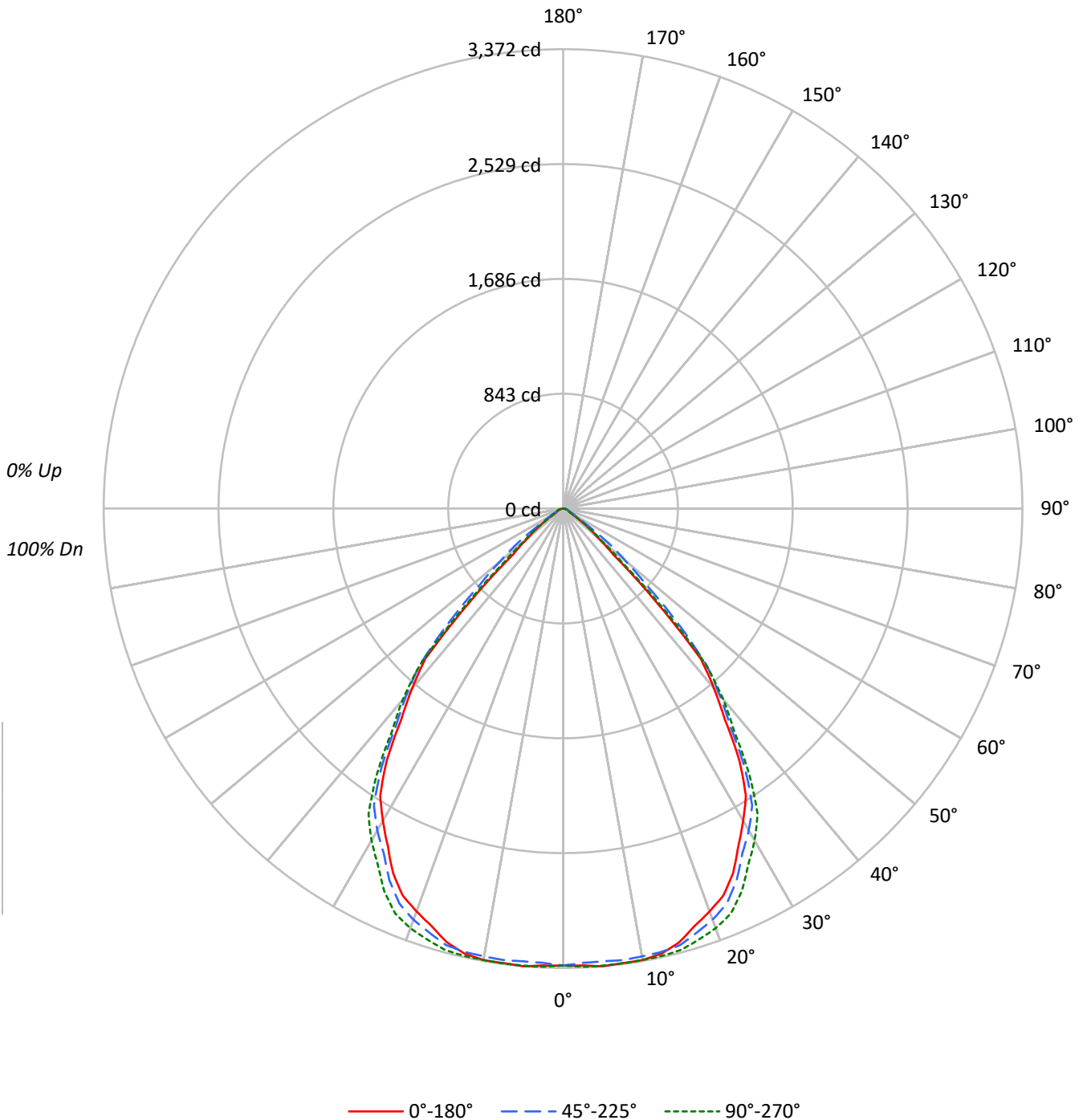
Input Watts (W): 49.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P709370

CATALOG NUMBER: DL2W-WB-M-0U-125D-930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot



TEST NUMBER: P709370

CATALOG NUMBER: DL2W-WB-M-0U-125D-930-UNV-STD-W-WM-4

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			100	
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91			91	
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83	
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75			75	
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68			68	
5	87	77	70	65	85	76	70	65	74	69	65	73	68	64	71	67	63	62			62	
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56			56	
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51			51	
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47			47	
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	49	45	43			43	
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40			40	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	54150	54150	54150	54150	54150
5°	54653	54059	54576	54059	54653
10°	55174	54716	55159	54716	55174
15°	55079	55437	56043	55437	55079
20°	54055	55172	56319	55172	54055
25°	52602	53668	55258	53668	52602
30°	49329	50850	52431	50850	49329
35°	44475	45911	47015	45911	44475
40°	36368	37743	38598	37743	36368
45°	21895	27259	24135	27259	21895
50°	8528	15143	9543	15143	8528
55°	4574	6861	4631	6861	4574
60°	1989	3392	2173	3392	1989
65°	1876	2074	1948	2074	1876
70°	1770	1952	1907	1952	1770
75°	1678	1865	1859	1865	1678
80°	1609	1795	1785	1795	1609
85°	1612	1630	1612	1630	1612

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
 Vertical Angle: 45°
 Luminance: 27451 cd/sqm

TEST NUMBER: P709370

CATALOG NUMBER: DL2W-WB-M-0U-125D-930-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.5	6.1
10°-20°	936.7	17.9
20°-30°	1384.8	26.4
30°-40°	1430.9	27.3
40°-50°	860.9	16.4
50°-60°	206.7	3.9
60°-70°	56.5	1.1
70°-80°	31.5	0.6
80°-90°	9.9	0.2
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°	2641.9	50.4
0°-40°	4072.8	77.8
0°-60°	5140.4	98.1
0°-90°	5238.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5238.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3354	3354	3354	3354	3354	
5°	3372	3335	3367	3335	3372	321
15°	3295	3316	3353	3316	3295	926
25°	2953	3013	3102	3013	2953	1348
35°	2256	2329	2385	2329	2256	1384
45°	959	1194	1057	1194	959	754
55°	162	244	164	244	162	158
65°	49	54	51	54	49	49
75°	27	30	30	30	27	29
85°	9	9	9	9	9	9
90°	0	0	0	0	0	

TEST NUMBER: P709370

CATALOG NUMBER: DL2W-WB-M-OU-125D-930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3353.8	3353.8	3353.8	3353.8	3353.8	3353.8	3353.8	3353.8	3353.8	3353.8	3353.8
2.5°	3356.9	3359.3	3361.7	3352.0	3338.3	3337.3	3348.9	3358.6	3362.3	3366.1	3362.3
5°	3372.1	3372.9	3373.8	3358.3	3337.3	3333.5	3346.7	3357.9	3362.6	3367.3	3362.6
7.5°	3364.6	3367.9	3371.2	3359.9	3343.8	3341.4	3352.6	3361.7	3364.2	3366.7	3364.2
10°	3365.3	3366.6	3367.9	3355.1	3337.5	3337.3	3354.4	3366.9	3365.7	3364.4	3365.7
12.5°	3345.3	3348.7	3352.0	3343.5	3331.1	3336.2	3358.8	3374.3	3368.6	3362.8	3368.6
15°	3295.1	3301.5	3307.9	3309.2	3308.8	3324.2	3355.4	3375.9	3364.4	3352.8	3364.4
17.5°	3212.2	3220.3	3228.5	3239.3	3251.0	3277.1	3317.5	3344.3	3330.3	3316.3	3330.3
20°	3146.0	3154.2	3162.3	3177.5	3195.0	3227.0	3273.6	3305.2	3291.5	3277.8	3291.5
22.5°	3074.5	3081.2	3088.0	3103.1	3120.9	3155.7	3207.5	3243.1	3230.4	3217.8	3230.4
25°	2952.7	2956.6	2960.4	2975.5	2994.3	3030.8	3085.1	3123.2	3112.5	3101.8	3112.5
27.5°	2787.5	2794.1	2800.6	2816.1	2834.5	2868.5	2918.3	2954.5	2949.9	2945.4	2949.9
30°	2645.9	2658.3	2670.7	2690.1	2712.0	2742.9	2783.1	2813.2	2812.7	2812.3	2812.7
32.5°	2497.4	2512.9	2528.4	2548.6	2570.4	2596.7	2627.7	2651.7	2654.6	2657.6	2654.6
35°	2256.4	2268.8	2281.2	2299.0	2318.7	2339.8	2362.5	2380.1	2382.7	2385.3	2382.7
37.5°	1949.4	1961.9	1974.3	1990.2	2007.1	2026.4	2048.0	2064.3	2064.7	2065.2	2064.7
40°	1725.5	1733.2	1740.9	1758.8	1780.2	1801.3	1822.3	1837.2	1834.3	1831.3	1834.3
42.5°	1496.2	1501.1	1506.1	1524.9	1548.3	1569.1	1587.4	1595.5	1573.3	1551.2	1573.3
45°	958.9	1038.8	1118.8	1159.3	1186.6	1201.0	1202.2	1187.0	1122.0	1057.0	1122.0
47.5°	496.5	574.8	653.1	736.4	821.4	841.3	796.2	744.8	674.7	604.6	674.7
50°	339.5	370.3	401.1	487.6	592.8	612.9	547.9	485.9	432.9	379.9	432.9
52.5°	253.3	268.4	283.4	350.7	435.3	444.5	378.1	321.9	295.9	269.9	295.9
55°	162.5	169.0	175.4	205.2	242.8	244.7	211.0	183.3	173.9	164.5	173.9
57.5°	100.0	108.4	116.8	129.8	144.3	144.4	130.2	117.3	108.4	99.6	108.4
60°	61.6	69.2	76.9	89.8	104.3	105.8	94.3	83.6	75.4	67.3	75.4
62.5°	55.4	58.3	61.2	70.5	82.0	83.0	73.5	65.6	62.6	59.6	62.6
65°	49.1	49.9	50.8	52.3	54.0	54.6	54.2	53.5	52.3	51.0	52.3
67.5°	42.1	43.4	44.7	45.3	45.8	46.2	46.6	46.7	45.9	45.0	45.9
70°	37.5	38.8	40.1	40.7	41.1	41.6	42.0	42.1	41.3	40.4	41.3
72.5°	33.7	34.6	35.5	36.1	36.5	37.0	37.4	37.5	36.6	35.8	36.6
75°	26.9	27.8	28.6	29.2	29.6	30.2	31.1	31.5	30.7	29.8	30.7
77.5°	21.2	22.0	22.9	23.3	23.7	24.1	24.5	24.6	23.9	23.1	23.9
80°	17.3	18.2	19.0	19.2	19.2	19.4	19.9	20.1	19.7	19.2	19.7
82.5°	13.5	14.0	14.5	14.6	14.6	14.8	15.3	15.6	15.5	15.4	15.5
85°	8.7	8.7	8.7	8.7	8.7	8.9	9.3	9.5	9.1	8.7	9.1
87.5°	2.3	2.7	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P709370

CATALOG NUMBER: DL2W-WB-M-0U-125D-930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	3353.8	3353.8	3353.8	3353.8	3353.8	3353.8	3353.8	3353.8
2.5°	3358.6	3348.9	3337.3	3338.3	3352.0	3361.7	3359.3	3356.9
5°	3357.9	3346.7	3333.5	3337.3	3358.3	3373.8	3372.9	3372.1
7.5°	3361.7	3352.6	3341.4	3343.8	3359.9	3371.2	3367.9	3364.6
10°	3366.9	3354.4	3337.3	3337.5	3355.1	3367.9	3366.6	3365.3
12.5°	3374.3	3358.8	3336.2	3331.1	3343.5	3352.0	3348.7	3345.3
15°	3375.9	3355.4	3324.2	3308.8	3309.2	3307.9	3301.5	3295.1
17.5°	3344.3	3317.5	3277.1	3251.0	3239.3	3228.5	3220.3	3212.2
20°	3305.2	3273.6	3227.0	3195.0	3177.5	3162.3	3154.2	3146.0
22.5°	3243.1	3207.5	3155.7	3120.9	3103.1	3088.0	3081.2	3074.5
25°	3123.2	3085.1	3030.8	2994.3	2975.5	2960.4	2956.6	2952.7
27.5°	2954.5	2918.3	2868.5	2834.5	2816.1	2800.6	2794.1	2787.5
30°	2813.2	2783.1	2742.9	2712.0	2690.1	2670.7	2658.3	2645.9
32.5°	2651.7	2627.7	2596.7	2570.4	2548.6	2528.4	2512.9	2497.4
35°	2380.1	2362.5	2339.8	2318.7	2299.0	2281.2	2268.8	2256.4
37.5°	2064.3	2048.0	2026.4	2007.1	1990.2	1974.3	1961.9	1949.4
40°	1837.2	1822.3	1801.3	1780.2	1758.8	1740.9	1733.2	1725.5
42.5°	1595.5	1587.4	1569.1	1548.3	1524.9	1506.1	1501.1	1496.2
45°	1187.0	1202.2	1201.0	1186.6	1159.3	1118.8	1038.8	958.9
47.5°	744.8	796.2	841.3	821.4	736.4	653.1	574.8	496.5
50°	485.9	547.9	612.9	592.8	487.6	401.1	370.3	339.5
52.5°	321.9	378.1	444.5	435.3	350.7	283.4	268.4	253.3
55°	183.3	211.0	244.7	242.8	205.2	175.4	169.0	162.5
57.5°	117.3	130.2	144.4	144.3	129.8	116.8	108.4	100.0
60°	83.6	94.3	105.8	104.3	89.8	76.9	69.2	61.6
62.5°	65.6	73.5	83.0	82.0	70.5	61.2	58.3	55.4
65°	53.5	54.2	54.6	54.0	52.3	50.8	49.9	49.1
67.5°	46.7	46.6	46.2	45.8	45.3	44.7	43.4	42.1
70°	42.1	42.0	41.6	41.1	40.7	40.1	38.8	37.5
72.5°	37.5	37.4	37.0	36.5	36.1	35.5	34.6	33.7
75°	31.5	31.1	30.2	29.6	29.2	28.6	27.8	26.9
77.5°	24.6	24.5	24.1	23.7	23.3	22.9	22.0	21.2
80°	20.1	19.9	19.4	19.2	19.2	19.0	18.2	17.3
82.5°	15.6	15.3	14.8	14.6	14.6	14.5	14.0	13.5
85°	9.5	9.3	8.9	8.7	8.7	8.7	8.7	8.7
87.5°	3.1	3.1	3.1	3.1	3.1	3.0	2.7	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)