

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: P709372

Luminaire Tested: DL2W-WB-M-0U-125D-940-UNV-STD-W-WM-4

Issue Date: 3/5/2020

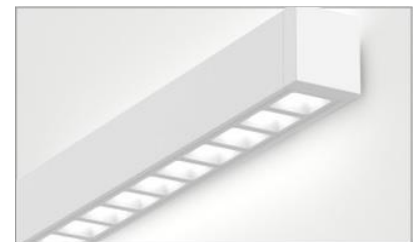
**Test Information**

Test Method: LM-79-2019  
Report Number: P709372  
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-940-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: 5760.9 lumens  
Efficiency: N/A  
Efficacy: 115.9 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

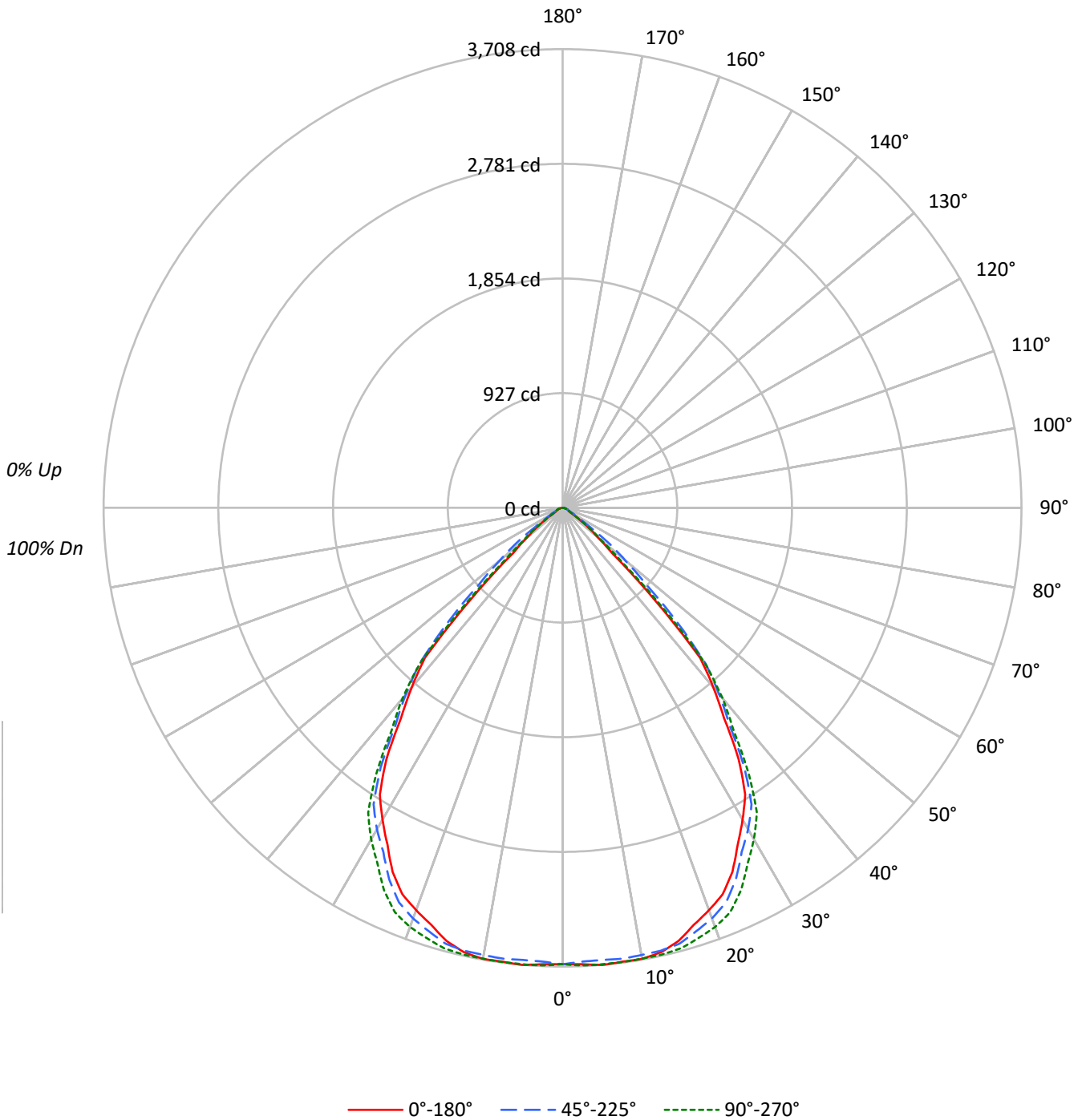
Input Watts (W): 49.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P709372

CATALOG NUMBER: DL2W-WB-M-0U-125D-940-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot



TEST NUMBER: P709372

CATALOG NUMBER: DL2W-WB-M-0U-125D-940-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°	59552	59552	59552	59552	59552
5°	60106	59452	60020	59452	60106
10°	60679	60177	60663	60177	60679
15°	60575	60969	61636	60969	60575
20°	59450	60677	61940	60677	59450
25°	57851	59025	60772	59025	57851
30°	54251	55923	57663	55923	54251
35°	48911	50491	51706	50491	48911
40°	39996	41510	42449	41510	39996
45°	24080	29978	26544	29978	24080
50°	9379	16652	10494	16652	9379
55°	5033	7545	5092	7545	5033
60°	2186	3731	2390	3731	2186
65°	2059	2283	2143	2283	2059
70°	1950	2146	2096	2146	1950
75°	1847	2056	2046	2056	1847
80°	1767	1980	1971	1980	1767
85°	1760	1788	1760	1788	1760

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 60°  
 Vertical Angle: 45°  
 Luminance: 30191 cd/sqm

TEST NUMBER: P709372

CATALOG NUMBER: DL2W-WB-M-0U-125D-940-UNV-STD-W-WM-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	352.4	6.1
10°-20°	1030.1	17.9
20°-30°	1522.9	26.4
30°-40°	1573.6	27.3
40°-50°	946.8	16.4
50°-60°	227.3	3.9
60°-70°	62.1	1.1
70°-80°	34.6	0.6
80°-90°	10.9	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°	2905.5	50.4
0°-40°	4479.1	77.8
0°-60°	5653.3	98.1
0°-90°	5760.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5760.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	3688	3688	3688	3688	3688	
5°	3708	3668	3703	3668	3708	353
15°	3624	3647	3687	3647	3624	1018
25°	3247	3313	3411	3313	3247	1482
35°	2482	2562	2623	2562	2482	1522
45°	1055	1313	1162	1313	1055	829
55°	179	268	181	268	179	174
65°	54	60	56	60	54	53
75°	30	33	33	33	30	32
85°	10	10	10	10	10	10
90°	0	0	0	0	0	

TEST NUMBER: P709372

CATALOG NUMBER: DL2W-WB-M-OU-125D-940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3688.4	3688.4	3688.4	3688.4	3688.4	3688.4	3688.4	3688.4	3688.4	3688.4	3688.4
2.5°	3691.8	3694.5	3697.1	3686.5	3671.4	3670.3	3683.1	3693.7	3697.8	3702.0	3697.8
5°	3708.5	3709.5	3710.4	3693.4	3670.3	3666.1	3680.7	3692.9	3698.1	3703.2	3698.1
7.5°	3700.3	3703.9	3707.6	3695.2	3677.4	3674.8	3687.2	3697.2	3699.9	3702.6	3699.9
10°	3701.1	3702.5	3703.9	3689.8	3670.6	3670.3	3689.1	3702.9	3701.5	3700.1	3701.5
12.5°	3679.1	3682.8	3686.5	3677.2	3663.5	3669.1	3693.9	3711.0	3704.7	3698.4	3704.7
15°	3623.9	3631.0	3638.0	3639.4	3639.0	3655.9	3690.2	3712.8	3700.1	3687.4	3700.1
17.5°	3532.7	3541.7	3550.6	3562.5	3575.4	3604.0	3648.5	3678.0	3662.6	3647.2	3662.6
20°	3460.0	3468.9	3477.8	3494.5	3513.8	3549.0	3600.3	3635.0	3619.9	3604.9	3619.9
22.5°	3381.3	3388.7	3396.1	3412.7	3432.4	3470.6	3527.5	3566.7	3552.8	3538.9	3552.8
25°	3247.3	3251.6	3255.8	3272.4	3293.1	3333.3	3393.0	3434.8	3423.1	3411.3	3423.1
27.5°	3065.6	3072.9	3080.1	3097.1	3117.3	3154.8	3209.5	3249.3	3244.3	3239.3	3244.3
30°	2909.9	2923.6	2937.2	2958.6	2982.6	3016.6	3060.8	3093.9	3093.4	3092.9	3093.4
32.5°	2746.6	2763.6	2780.6	2802.9	2826.8	2855.9	2889.9	2916.2	2919.5	2922.8	2919.5
35°	2481.5	2495.2	2508.8	2528.4	2550.0	2573.3	2598.2	2617.6	2620.4	2623.3	2620.4
37.5°	2143.9	2157.6	2171.3	2188.7	2207.3	2228.6	2252.3	2270.3	2270.8	2271.2	2270.8
40°	1897.6	1906.1	1914.6	1934.3	1957.8	1981.1	2004.1	2020.6	2017.3	2014.0	2017.3
42.5°	1645.5	1650.9	1656.4	1677.1	1702.8	1725.7	1745.7	1754.7	1730.3	1706.0	1730.3
45°	1054.6	1142.5	1230.4	1275.0	1305.0	1320.8	1322.2	1305.4	1233.9	1162.5	1233.9
47.5°	546.0	632.1	718.3	809.9	903.4	925.3	875.6	819.1	742.0	664.9	742.0
50°	373.4	407.2	441.1	536.3	651.9	674.0	602.6	534.4	476.1	417.8	476.1
52.5°	278.6	295.2	311.7	385.7	478.7	488.8	415.8	354.0	325.4	296.8	325.4
55°	178.8	185.8	192.9	225.7	267.0	269.1	232.0	201.6	191.2	180.9	191.2
57.5°	110.0	119.2	128.4	142.7	158.7	158.9	143.2	129.0	119.3	109.6	119.3
60°	67.7	76.2	84.6	98.7	114.7	116.4	103.7	91.9	83.0	74.0	83.0
62.5°	60.9	64.1	67.3	77.6	90.2	91.3	80.8	72.2	68.9	65.6	68.9
65°	53.9	54.9	55.8	57.5	59.4	60.1	59.6	58.9	57.5	56.1	57.5
67.5°	46.3	47.7	49.2	49.9	50.3	50.8	51.3	51.4	50.4	49.5	50.4
70°	41.3	42.7	44.1	44.8	45.2	45.7	46.2	46.3	45.4	44.4	45.4
72.5°	37.0	38.1	39.1	39.7	40.2	40.6	41.1	41.2	40.3	39.3	40.3
75°	29.6	30.6	31.5	32.1	32.6	33.3	34.2	34.7	33.7	32.8	33.7
77.5°	23.3	24.2	25.2	25.7	26.0	26.5	26.9	27.1	26.2	25.4	26.2
80°	19.0	20.0	20.9	21.2	21.2	21.4	21.9	22.1	21.6	21.2	21.6
82.5°	14.8	15.4	15.9	16.1	16.1	16.3	16.8	17.1	17.0	16.9	17.0
85°	9.5	9.5	9.5	9.5	9.5	9.8	10.2	10.5	10.0	9.5	10.0
87.5°	2.5	2.9	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
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: P709372

CATALOG NUMBER: DL2W-WB-M-OU-125D-940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°
0°	3688.4	3688.4	3688.4	3688.4	3688.4	3688.4	3688.4	3688.4
2.5°	3693.7	3683.1	3670.3	3671.4	3686.5	3697.1	3694.5	3691.8
5°	3692.9	3680.7	3666.1	3670.3	3693.4	3710.4	3709.5	3708.5
7.5°	3697.2	3687.2	3674.8	3677.4	3695.2	3707.6	3703.9	3700.3
10°	3702.9	3689.1	3670.3	3670.6	3689.8	3703.9	3702.5	3701.1
12.5°	3711.0	3693.9	3669.1	3663.5	3677.2	3686.5	3682.8	3679.1
15°	3712.8	3690.2	3655.9	3639.0	3639.4	3638.0	3631.0	3623.9
17.5°	3678.0	3648.5	3604.0	3575.4	3562.5	3550.6	3541.7	3532.7
20°	3635.0	3600.3	3549.0	3513.8	3494.5	3477.8	3468.9	3460.0
22.5°	3566.7	3527.5	3470.6	3432.4	3412.7	3396.1	3388.7	3381.3
25°	3434.8	3393.0	3333.3	3293.1	3272.4	3255.8	3251.6	3247.3
27.5°	3249.3	3209.5	3154.8	3117.3	3097.1	3080.1	3072.9	3065.6
30°	3093.9	3060.8	3016.6	2982.6	2958.6	2937.2	2923.6	2909.9
32.5°	2916.2	2889.9	2855.9	2826.8	2802.9	2780.6	2763.6	2746.6
35°	2617.6	2598.2	2573.3	2550.0	2528.4	2508.8	2495.2	2481.5
37.5°	2270.3	2252.3	2228.6	2207.3	2188.7	2171.3	2157.6	2143.9
40°	2020.6	2004.1	1981.1	1957.8	1934.3	1914.6	1906.1	1897.6
42.5°	1754.7	1745.7	1725.7	1702.8	1677.1	1656.4	1650.9	1645.5
45°	1305.4	1322.2	1320.8	1305.0	1275.0	1230.4	1142.5	1054.6
47.5°	819.1	875.6	925.3	903.4	809.9	718.3	632.1	546.0
50°	534.4	602.6	674.0	651.9	536.3	441.1	407.2	373.4
52.5°	354.0	415.8	488.8	478.7	385.7	311.7	295.2	278.6
55°	201.6	232.0	269.1	267.0	225.7	192.9	185.8	178.8
57.5°	129.0	143.2	158.9	158.7	142.7	128.4	119.2	110.0
60°	91.9	103.7	116.4	114.7	98.7	84.6	76.2	67.7
62.5°	72.2	80.8	91.3	90.2	77.6	67.3	64.1	60.9
65°	58.9	59.6	60.1	59.4	57.5	55.8	54.9	53.9
67.5°	51.4	51.3	50.8	50.3	49.9	49.2	47.7	46.3
70°	46.3	46.2	45.7	45.2	44.8	44.1	42.7	41.3
72.5°	41.2	41.1	40.6	40.2	39.7	39.1	38.1	37.0
75°	34.7	34.2	33.3	32.6	32.1	31.5	30.6	29.6
77.5°	27.1	26.9	26.5	26.0	25.7	25.2	24.2	23.3
80°	22.1	21.9	21.4	21.2	21.2	20.9	20.0	19.0
82.5°	17.1	16.8	16.3	16.1	16.1	15.9	15.4	14.8
85°	10.5	10.2	9.8	9.5	9.5	9.5	9.5	9.5
87.5°	3.4	3.4	3.4	3.4	3.4	3.3	2.9	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)