

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P559740

Luminaire Tested: **DL2-WB-M-0U-100D-940-UNV-STD-W-4**

Issue Date: 3/5/2020

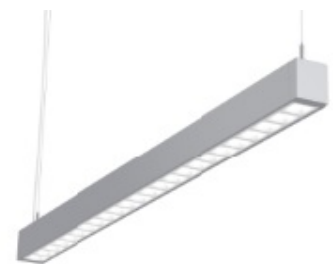
**Test Information**

Test Method: LM-79-08  
Report Number: P559740  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/5/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DL2-WB-M-0U-100D-940-UNV-STD-W-4  
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE  
DOWNLIGHT 1000 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

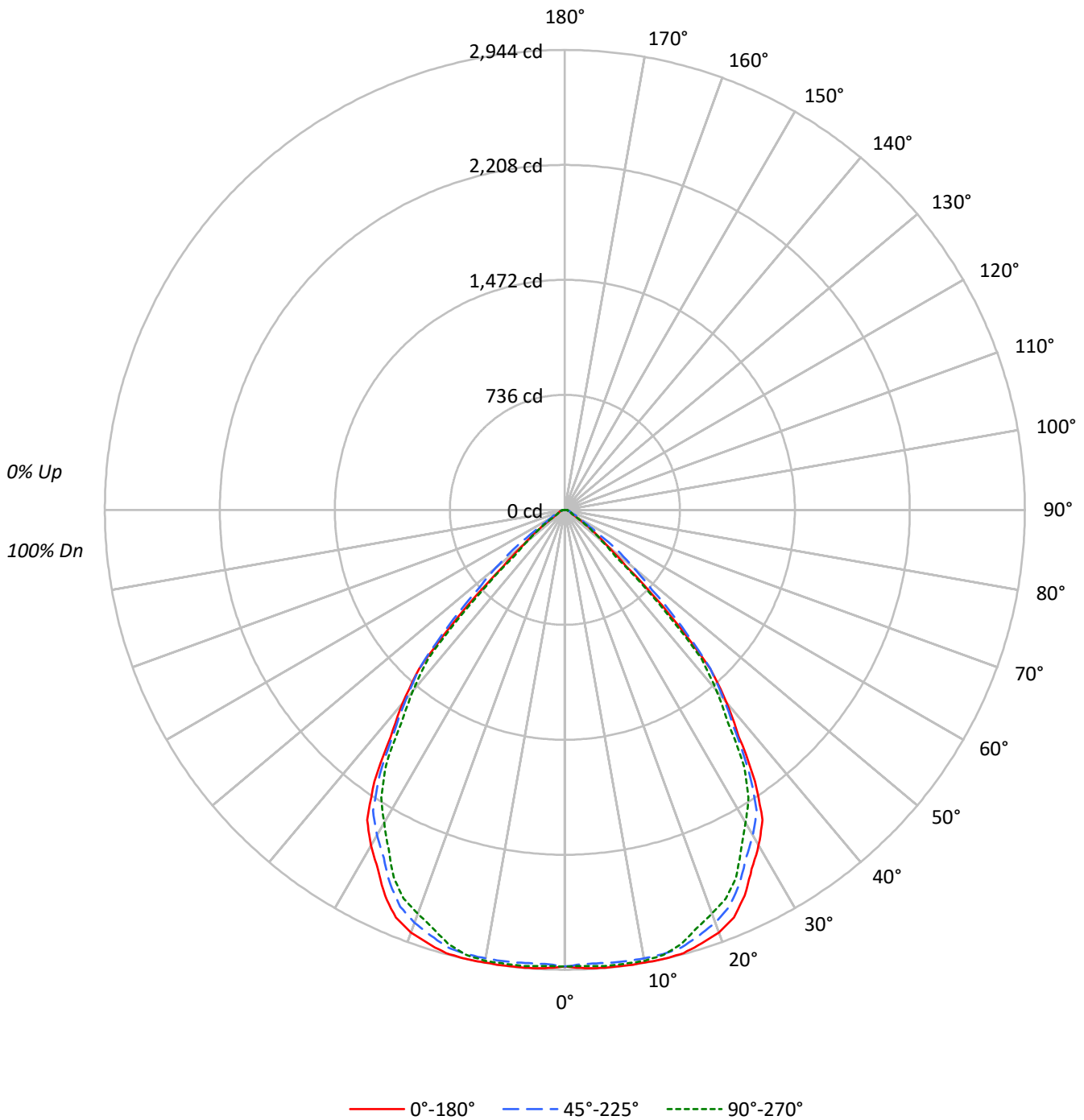
Lumens per Lamp: N/A  
Luminaire Lumens: 4612.3 lumens  
Efficiency: N/A  
Efficacy: 121.1 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Direct

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					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	84	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	78	74	70	77	73	70	68				68
5	87	77	70	65	85	76	70	65	74	69	64	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	60	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	48	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°
0°	47188	47188	47188
5°	47694	47196	47506
10°	48245	47812	48072
15°	49100	48463	48092
20°	49471	48326	47254
25°	48524	47110	46205
30°	46245	44845	43128
35°	41843	40635	39364
40°	33976	33285	31813
45°	21760	24176	19564
50°	8528	14320	7679
55°	4020	6550	4020
60°	1912	3178	1741
65°	1738	1819	1616
70°	1648	1699	1548
75°	1647	1647	1516
80°	1571	1571	1478
85°	1371	1371	1371



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	280.0	6.1
10°-20°	820.4	17.8
20°-30°	1217.6	26.4
30°-40°	1264.8	27.4
40°-50°	761.1	16.5
50°-60°	182.5	4.0
60°-70°	49.5	1.1
70°-80°	27.8	0.6
80°-90°	8.7	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°	2318.0	50.3
0°-40°	3582.8	77.7
0°-60°	4526.4	98.1
0°-90°	4612.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4612.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2923	2923	2923	2923	2923	
5°	2943	2936	2912	2942	2931	281
15°	2937	2958	2899	2898	2877	828
25°	2724	2742	2644	2609	2594	1246
35°	2123	2103	2062	2020	1997	1300
45°	953	1066	1059	1008	857	728
55°	143	161	233	155	143	147
65°	46	46	48	45	42	45
75°	26	28	26	25	24	27
85°	7	8	7	7	7	9
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2922.6	2922.6	2922.6	2922.6	2922.6
2.5°	2937.0	2930.4	2909.1	2932.5	2922.6
5°	2942.7	2935.5	2912.0	2942.5	2931.1
7.5°	2943.6	2944.0	2916.3	2943.1	2930.4
10°	2942.7	2948.9	2916.3	2941.4	2932.1
12.5°	2943.6	2953.9	2912.9	2931.2	2916.9
15°	2937.4	2958.1	2899.3	2897.8	2877.1
17.5°	2910.6	2936.2	2856.6	2832.1	2807.7
20°	2879.2	2904.1	2812.6	2777.1	2750.2
22.5°	2825.1	2850.7	2750.0	2712.1	2692.7
25°	2723.8	2742.4	2644.4	2609.2	2593.6
27.5°	2590.5	2596.5	2511.1	2470.1	2443.7
30°	2480.5	2485.6	2405.4	2358.8	2313.3
32.5°	2354.4	2345.5	2284.4	2233.6	2186.4
35°	2122.9	2103.3	2061.6	2019.8	1997.1
37.5°	1829.5	1824.6	1794.2	1744.1	1716.8
40°	1612.0	1628.6	1579.2	1542.5	1509.4
42.5°	1379.3	1419.9	1377.0	1325.2	1297.0
45°	953.0	1065.8	1058.8	1007.8	856.8
47.5°	529.9	671.8	757.2	593.9	439.4
50°	339.5	436.8	570.1	358.4	305.7
52.5°	238.0	291.4	421.2	254.1	225.3
55°	142.8	161.4	232.7	155.2	142.8
57.5°	86.3	104.3	132.2	104.1	84.4
60°	59.2	74.7	98.4	69.5	53.9
62.5°	51.6	57.2	76.4	54.5	48.9
65°	45.5	46.5	47.6	45.4	42.3
67.5°	39.1	41.2	40.2	39.3	37.0
70°	34.9	37.0	36.0	35.9	32.8
72.5°	31.5	33.6	32.6	31.7	29.4
75°	26.4	27.5	26.4	25.4	24.3
77.5°	20.3	21.3	21.2	20.3	19.3
80°	16.9	18.0	16.9	16.9	15.9
82.5°	13.5	13.7	13.5	12.7	12.5
85°	7.4	8.4	7.4	7.4	7.4
87.5°	2.5	2.5	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)