

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: P559750

Luminaire Tested: **DL2-WB-M-100U-100D-930-UNV-STD-W-4**

Issue Date: 3/5/2020

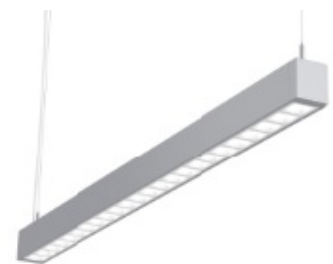
**Test Information**

Test Method: LM-79-08  
Report Number: P559750  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-12, 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-100U-100D-930-UNV-STD-W-4  
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

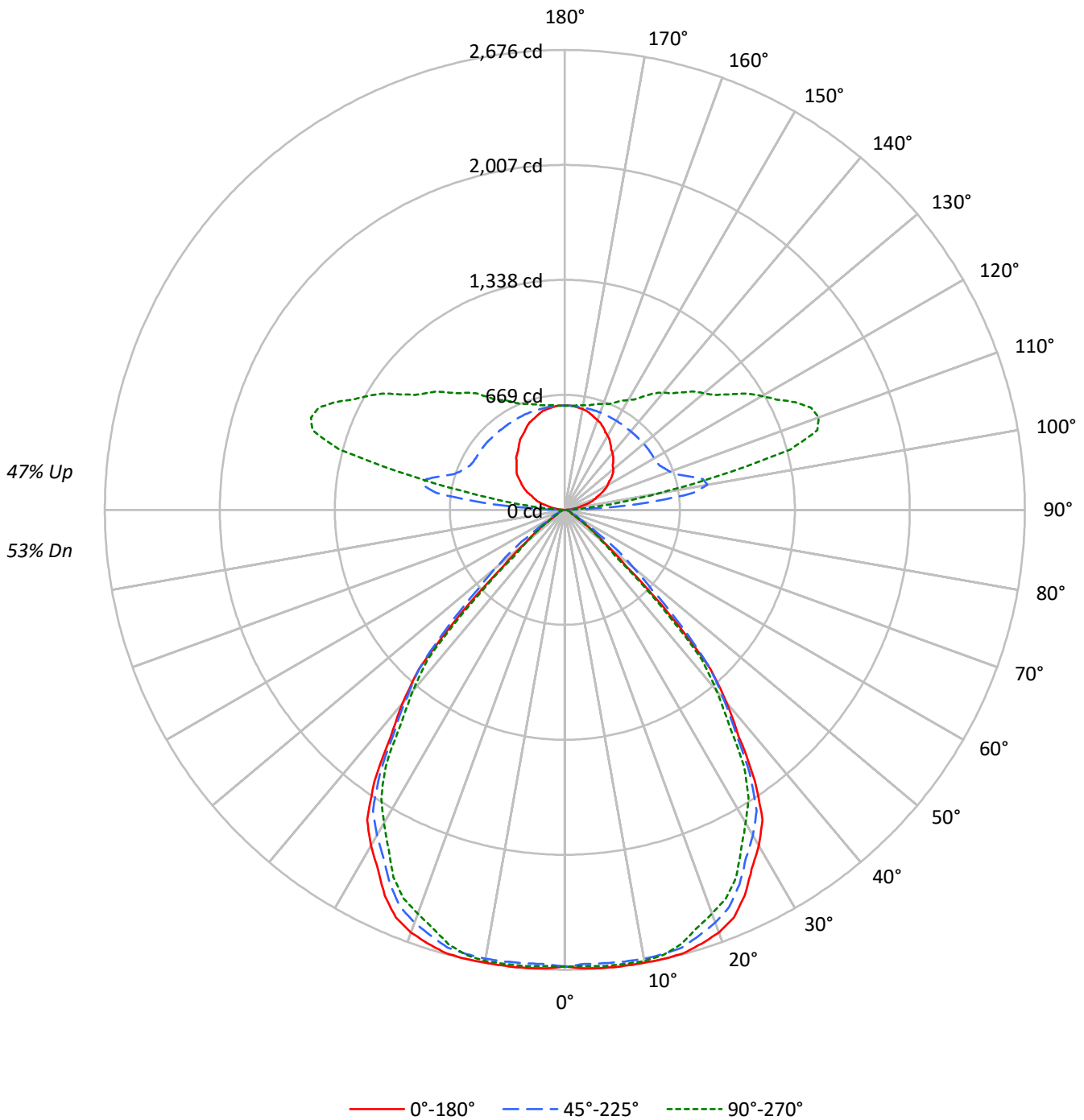
Lumens per Lamp: N/A  
Luminaire Lumens: 7971.6 lumens  
Efficiency: N/A  
Efficacy: 112.8 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 70.7  
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



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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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53		
1	100	97	93	91	93	90	87	85	77	75	73	65	64	63	55	54	53	48		
2	93	87	82	77	86	81	76	73	70	67	64	60	58	56	51	49	48	44		
3	86	78	72	67	80	73	68	63	64	60	56	55	52	50	47	45	43	39		
4	80	71	64	59	74	66	60	56	58	53	50	50	47	44	43	41	39	36		
5	74	64	57	52	69	60	54	49	53	48	44	46	43	40	40	37	35	32		
6	69	58	51	46	64	55	49	44	49	44	40	43	39	36	37	34	32	30		
7	64	53	46	41	60	50	44	39	45	40	36	39	35	33	34	32	29	27		
8	60	49	42	37	56	46	40	36	41	36	33	36	33	30	32	29	27	25		
9	56	45	38	34	52	43	36	32	38	33	30	34	30	27	30	27	25	23		
10	53	42	35	31	49	39	33	29	35	31	27	32	28	25	28	25	23	21		

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	42899	42899	42899
5°	43358	42908	43188
10°	43860	43466	43702
15°	44637	44058	43721
20°	44974	43934	42959
25°	44113	42829	42006
30°	42041	40768	39209
35°	38041	36941	35784
40°	30888	30260	28922
45°	19783	21980	17785
50°	7754	13019	6980
55°	3654	5956	3654
60°	1741	2887	1582
65°	1578	1654	1471
70°	1496	1544	1407
75°	1497	1497	1379
80°	1432	1432	1339
85°	1241	1241	1241



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	254.5	3.2
10°-20°	745.9	9.4
20°-30°	1107.0	13.9
30°-40°	1149.8	14.4
40°-50°	691.9	8.7
50°-60°	165.9	2.1
60°-70°	45.0	0.6
70°-80°	25.2	0.3
80°-90°	9.0	0.1
90°-100°	253.5	3.2
100°-110°	766.7	9.6
110°-120°	748.4	9.4
120°-130°	611.6	7.7
130°-140°	499.2	6.3
140°-150°	388.6	4.9
150°-160°	280.2	3.5
160°-170°	171.5	2.2
170°-180°	57.9	0.7
0°-30°	2107.3	26.4
0°-40°	3257.1	40.9
0°-60°	4114.9	51.6
0°-90°	4194.1	52.6
90°-120°	1768.6	22.2
90°-150°	3268.0	41.0
90°-180°	3778.0	47.4
0°-180°	7971.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2657	2657	2657	2657	2657	
5°	2675	2669	2647	2675	2665	255
15°	2670	2689	2636	2634	2616	753
25°	2476	2493	2404	2372	2358	1133
35°	1930	1912	1874	1836	1816	1182
45°	866	969	963	916	779	662
55°	130	147	212	141	130	134
65°	41	42	43	41	38	41
75°	24	25	24	23	22	25
85°	7	8	7	7	7	8
90°	0	2	11	7	6	2
95°	31	100	478	177	112	37
105°	133	187	753	1430	1359	140
115°	237	283	609	1260	1480	235
125°	332	368	600	995	1171	295
135°	397	439	596	858	965	308
145°	464	498	596	738	807	291
155°	529	546	600	662	687	243
165°	578	585	603	626	634	163
175°	605	605	606	611	609	57
180°	607	607	607	607	607	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2657.0	2657.0	2657.0	2657.0	2657.0
2.5°	2670.1	2664.0	2644.7	2666.0	2657.0
5°	2675.2	2668.7	2647.4	2675.0	2664.7
7.5°	2676.0	2676.4	2651.2	2675.6	2664.1
10°	2675.2	2680.9	2651.2	2674.1	2665.6
12.5°	2676.0	2685.4	2648.1	2664.8	2651.8
15°	2670.4	2689.2	2635.8	2634.4	2615.6
17.5°	2646.0	2669.3	2597.0	2574.7	2552.5
20°	2617.5	2640.1	2557.0	2524.7	2500.2
22.5°	2568.3	2591.6	2500.0	2465.6	2447.9
25°	2476.2	2493.1	2404.1	2372.0	2357.9
27.5°	2355.0	2360.5	2282.9	2245.6	2221.5
30°	2255.0	2259.7	2186.7	2144.4	2103.1
32.5°	2140.4	2132.3	2076.7	2030.6	1987.7
35°	1930.0	1912.1	1874.2	1836.2	1815.5
37.5°	1663.2	1658.7	1631.1	1585.5	1560.7
40°	1465.5	1480.6	1435.7	1402.3	1372.2
42.5°	1254.0	1290.8	1251.8	1204.7	1179.1
45°	866.4	968.9	962.6	916.2	778.9
47.5°	481.8	610.8	688.3	539.9	399.5
50°	308.7	397.1	518.3	325.9	277.9
52.5°	216.4	264.9	382.9	231.0	204.8
55°	129.8	146.7	211.6	141.1	129.8
57.5°	78.5	94.8	120.2	94.6	76.7
60°	53.9	68.0	89.4	63.1	49.0
62.5°	46.9	52.0	69.4	49.5	44.4
65°	41.3	42.3	43.3	41.3	38.5
67.5°	35.6	37.5	36.5	35.7	33.7
70°	31.7	33.6	32.7	32.6	29.8
72.5°	28.7	30.5	29.6	28.8	26.7
75°	24.0	25.0	24.0	23.1	22.1
77.5°	18.5	19.4	19.2	18.4	17.5
80°	15.4	16.3	15.4	15.4	14.4
82.5°	12.3	12.5	12.3	11.5	11.3
85°	6.7	7.7	6.7	6.7	6.7
87.5°	2.3	2.7	4.6	3.6	3.5
90°	0.0	1.9	11.4	6.6	5.7
92.5°	10.7	43.1	154.7	51.3	37.0
95°	31.4	99.5	478.3	176.7	111.5
97.5°	60.8	126.6	753.9	498.9	303.8
100°	79.1	143.4	842.3	814.3	546.9
102.5°	99.7	161.7	824.0	1142.2	910.5
105°	133.4	187.4	752.8	1429.6	1358.8
107.5°	165.4	217.0	684.1	1458.0	1540.0
110°	186.8	236.1	649.8	1422.2	1571.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	207.3	255.2	629.3	1362.1	1550.7
115°	237.3	282.9	608.9	1259.9	1479.8
117.5°	267.0	310.2	601.6	1164.2	1389.3
120°	286.8	327.8	599.3	1108.3	1324.5
122.5°	305.1	343.9	599.3	1059.2	1258.9
125°	331.6	367.9	600.3	995.0	1171.1
127.5°	353.1	390.8	599.3	946.5	1096.7
130°	366.8	406.0	599.3	918.8	1054.8
132.5°	379.0	418.9	598.6	893.4	1019.0
135°	397.3	439.3	596.5	858.1	965.2
137.5°	417.7	457.6	596.5	820.4	919.7
140°	430.7	469.8	596.5	795.9	890.0
142.5°	443.6	481.3	595.7	773.5	855.7
145°	464.0	498.5	596.5	738.1	807.1
147.5°	484.4	513.7	597.6	709.0	761.9
150°	497.4	524.4	598.4	692.8	737.5
152.5°	509.6	533.6	599.2	678.9	715.4
155°	528.8	546.5	600.3	661.8	687.0
157.5°	545.6	559.9	601.4	649.3	666.8
160°	555.5	567.6	602.2	641.6	654.6
162.5°	565.4	574.6	603.0	634.7	645.5
165°	578.4	584.9	603.2	626.2	633.6
167.5°	589.4	592.8	604.3	619.6	622.8
170°	595.5	597.4	605.1	616.5	617.4
172.5°	599.3	600.5	605.1	613.4	613.6
175°	605.1	605.1	606.0	610.7	608.9
177.5°	607.7	607.0	606.2	608.5	607.0
180°	607.0	607.0	607.0	607.0	607.0

(END OF REPORT)