

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: P559753

Luminaire Tested: **DL2-WB-M-100U-125D-930-UNV-STD-W-4**

Issue Date: 3/5/2020

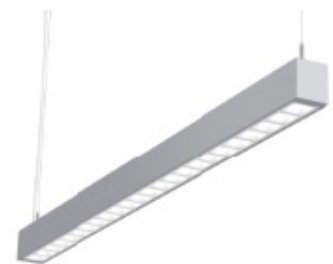
**Test Information**

Test Method: LM-79-08  
Report Number: P559753  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-12, G3-2104-222-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/5/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DL2-WB-M-100U-125D-930-UNV-STD-W-4  
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

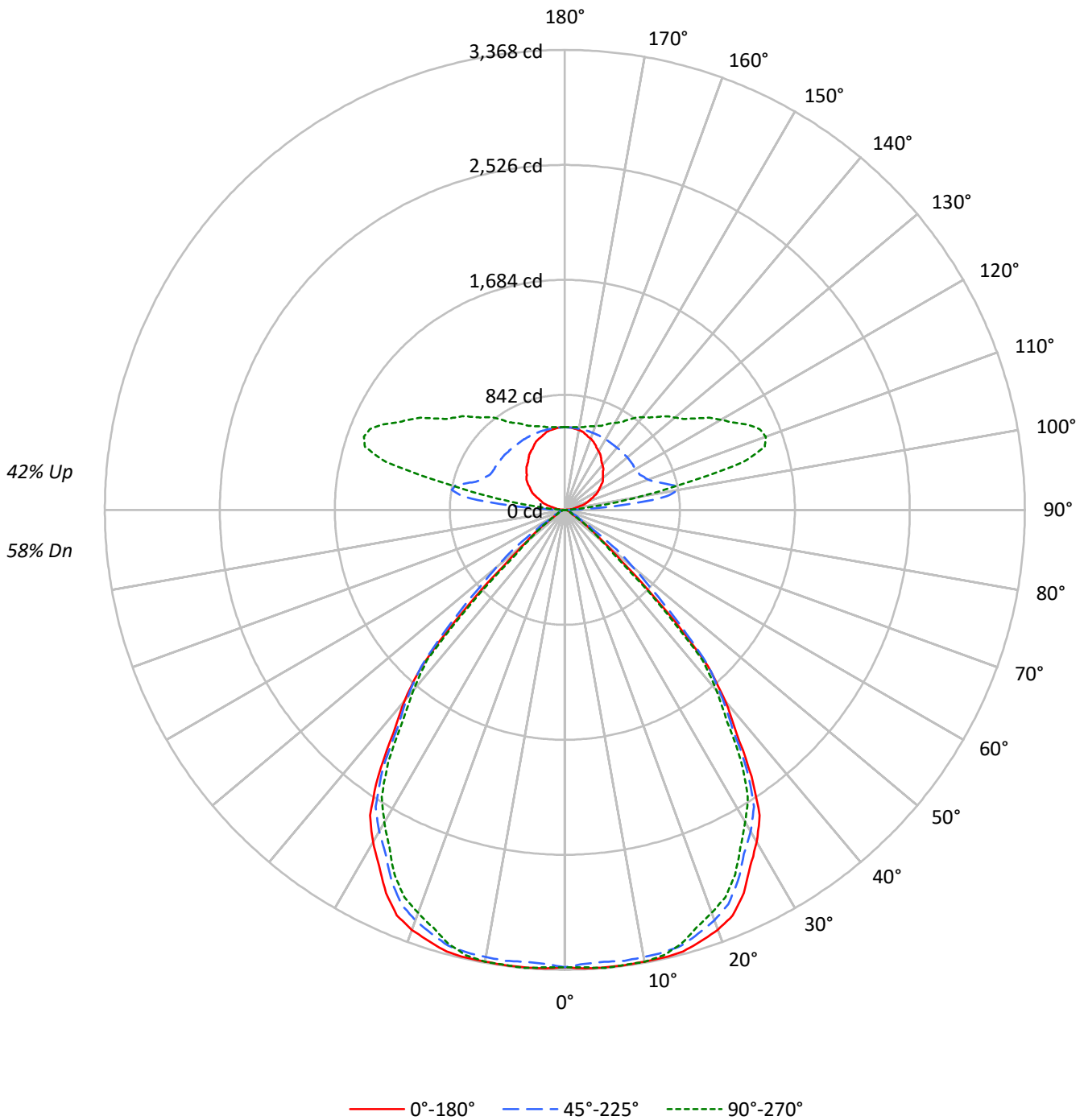
Lumens per Lamp: N/A  
Luminaire Lumens: 8996.8 lumens  
Efficiency: N/A  
Efficacy: 109.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 82.3  
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	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	58
1	102	98	95	92	95	92	89	87	80	78	76	69	68	67	59	59	58	53
2	94	88	83	79	88	83	79	75	73	70	67	64	61	59	55	54	52	48
3	88	80	74	69	82	75	70	65	66	62	59	58	55	53	51	49	47	44
4	81	72	65	60	76	68	62	58	61	56	52	54	50	47	47	45	43	39
5	76	66	58	53	71	62	56	51	55	51	47	49	46	43	44	41	39	36
6	70	60	53	48	66	57	50	46	51	46	42	45	42	39	40	37	35	33
7	66	55	48	43	62	52	46	41	47	42	38	42	38	35	38	34	32	30
8	61	50	43	39	58	48	42	37	43	38	35	39	35	32	35	32	29	27
9	58	46	40	35	54	44	38	34	40	35	32	36	32	29	33	29	27	25
10	54	43	36	32	51	41	35	31	37	32	29	34	30	27	30	27	25	23

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

	0°	45°	90°
0°	54077	54077	54077
5°	54501	53848	54579
10°	55085	54502	55100
15°	55968	55231	55005
20°	56244	54974	53983
25°	55184	53440	52533
30°	52361	50696	49264
35°	46952	45835	44415
40°	38545	37696	36320
45°	24103	27371	21866
50°	9530	16189	8518
55°	4622	7355	4569
60°	2170	3597	1986
65°	1945	2090	1872
70°	1902	1950	1770
75°	1859	1859	1678
80°	1785	1785	1609
85°	1593	1593	1593



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	320.0	3.6
10°-20°	935.4	10.4
20°-30°	1382.8	15.4
30°-40°	1428.9	15.9
40°-50°	859.8	9.6
50°-60°	206.6	2.3
60°-70°	56.4	0.6
70°-80°	31.4	0.3
80°-90°	10.9	0.1
90°-100°	252.6	2.8
100°-110°	764.0	8.5
110°-120°	745.8	8.3
120°-130°	609.5	6.8
130°-140°	497.5	5.5
140°-150°	387.3	4.3
150°-160°	279.2	3.1
160°-170°	170.9	1.9
170°-180°	57.7	0.6
0°-30°	2638.2	29.3
0°-40°	4067.2	45.2
0°-60°	5133.6	57.1
0°-90°	5232.4	58.2
90°-120°	1762.4	19.6
90°-150°	3256.6	36.2
90°-180°	3764.0	41.8
0°-180°	8996.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3349	3349	3349	3349	3349	
5°	3363	3352	3322	3369	3368	321
15°	3348	3374	3304	3305	3291	944
25°	3098	3121	3000	2957	2949	1416
35°	2382	2376	2325	2281	2253	1466
45°	1056	1198	1199	1133	958	818
55°	164	185	261	176	162	167
65°	51	54	55	51	49	52
75°	30	32	30	29	27	31
85°	9	10	9	9	9	10
90°	0	2	11	7	6	2
95°	31	99	477	176	111	37
105°	133	187	750	1425	1354	140
115°	236	282	607	1256	1475	234
125°	330	367	598	992	1167	294
135°	396	438	594	855	962	307
145°	462	497	594	736	804	290
155°	527	545	598	660	685	243
165°	576	583	601	624	631	162
175°	603	603	604	609	607	57
180°	605	605	605	605	605	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3349.3	3349.3	3349.3	3349.3	3349.3
2.5°	3361.6	3353.3	3327.0	3357.6	3352.4
5°	3362.7	3352.4	3322.4	3369.4	3367.5
7.5°	3362.2	3356.7	3331.2	3367.4	3360.1
10°	3359.9	3362.7	3324.3	3363.6	3360.8
12.5°	3358.3	3370.9	3320.5	3348.2	3340.8
15°	3348.3	3373.7	3304.2	3304.8	3290.7
17.5°	3311.8	3342.6	3252.5	3225.8	3207.9
20°	3273.4	3303.5	3199.5	3159.7	3141.8
22.5°	3213.5	3241.3	3125.7	3085.2	3070.4
25°	3097.6	3121.1	2999.7	2957.2	2948.8
27.5°	2941.5	2951.4	2839.8	2798.2	2783.8
30°	2808.5	2809.5	2719.2	2669.6	2642.4
32.5°	2654.1	2647.5	2577.8	2528.1	2494.1
35°	2382.1	2376.4	2325.4	2280.6	2253.4
37.5°	2062.4	2061.5	2012.8	1974.2	1946.8
40°	1828.8	1835.4	1788.5	1740.1	1723.2
42.5°	1549.1	1597.8	1557.9	1505.1	1494.2
45°	1055.6	1198.4	1198.7	1133.3	957.6
47.5°	603.8	757.8	862.7	667.9	495.8
50°	379.4	495.9	644.5	406.7	339.1
52.5°	269.5	326.6	477.0	286.1	253.0
55°	164.2	184.9	261.3	176.4	162.3
57.5°	99.5	118.9	151.4	118.3	99.9
60°	67.2	85.1	111.4	78.4	61.5
62.5°	59.6	66.1	87.6	61.7	55.3
65°	50.9	53.7	54.7	50.9	49.0
67.5°	45.0	46.8	45.9	44.9	42.1
70°	40.3	42.2	41.3	40.3	37.5
72.5°	35.7	37.6	36.7	35.7	33.6
75°	29.8	31.7	29.8	28.8	26.9
77.5°	23.1	24.7	23.8	23.0	21.1
80°	19.2	20.1	19.2	19.2	17.3
82.5°	15.4	15.6	14.6	14.6	13.4
85°	8.6	9.6	8.6	8.6	8.6
87.5°	3.1	3.4	5.4	4.4	3.4
90°	0.0	1.9	11.4	6.6	5.7
92.5°	10.6	42.9	154.2	51.1	36.8
95°	31.3	99.1	476.7	176.1	111.1
97.5°	60.6	126.1	751.3	497.1	302.7
100°	78.8	142.9	839.4	811.5	545.0
102.5°	99.3	161.2	821.2	1138.2	907.4
105°	132.9	186.8	750.1	1424.6	1354.1
107.5°	164.8	216.3	681.8	1453.0	1534.7
110°	186.1	235.3	647.6	1417.2	1565.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	206.6	254.3	627.1	1357.4	1545.3
115°	236.4	281.9	606.8	1255.5	1474.6
117.5°	266.1	309.1	599.5	1160.1	1384.4
120°	285.8	326.7	597.3	1104.5	1319.9
122.5°	304.0	342.7	597.3	1055.5	1254.5
125°	330.4	366.7	598.2	991.5	1167.0
127.5°	351.9	389.4	597.3	943.3	1092.9
130°	365.6	404.6	597.3	915.6	1051.1
132.5°	377.7	417.5	596.5	890.3	1015.4
135°	396.0	437.7	594.4	855.1	961.9
137.5°	416.3	456.0	594.4	817.5	916.5
140°	429.2	468.2	594.4	793.1	886.9
142.5°	442.1	479.6	593.7	770.8	852.7
145°	462.4	496.8	594.4	735.6	804.3
147.5°	482.7	511.9	595.6	706.5	759.3
150°	495.7	522.6	596.3	690.4	734.9
152.5°	507.8	531.8	597.1	676.5	712.9
155°	527.0	544.6	598.2	659.6	684.6
157.5°	543.7	558.0	599.4	647.0	664.5
160°	553.6	565.7	600.1	639.3	652.3
162.5°	563.5	572.6	600.9	632.5	643.2
165°	576.4	582.9	601.1	624.0	631.4
167.5°	587.4	590.7	602.2	617.5	620.6
170°	593.5	595.3	603.0	614.4	615.3
172.5°	597.3	598.4	603.0	611.3	611.5
175°	603.0	603.0	603.9	608.6	606.8
177.5°	605.6	604.9	604.1	606.3	604.9
180°	604.9	604.9	604.9	604.9	604.9

(END OF REPORT)