

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: P559642

Luminaire Tested: **DL2-BB-M-075U-100D-930-UNV-STD-W-4**

Issue Date: 3/5/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P559642  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-11, G3-2104-222-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/5/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DL2-BB-M-075U-100D-930-UNV-STD-W-4  
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT 750 LUMENS PER FOOT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

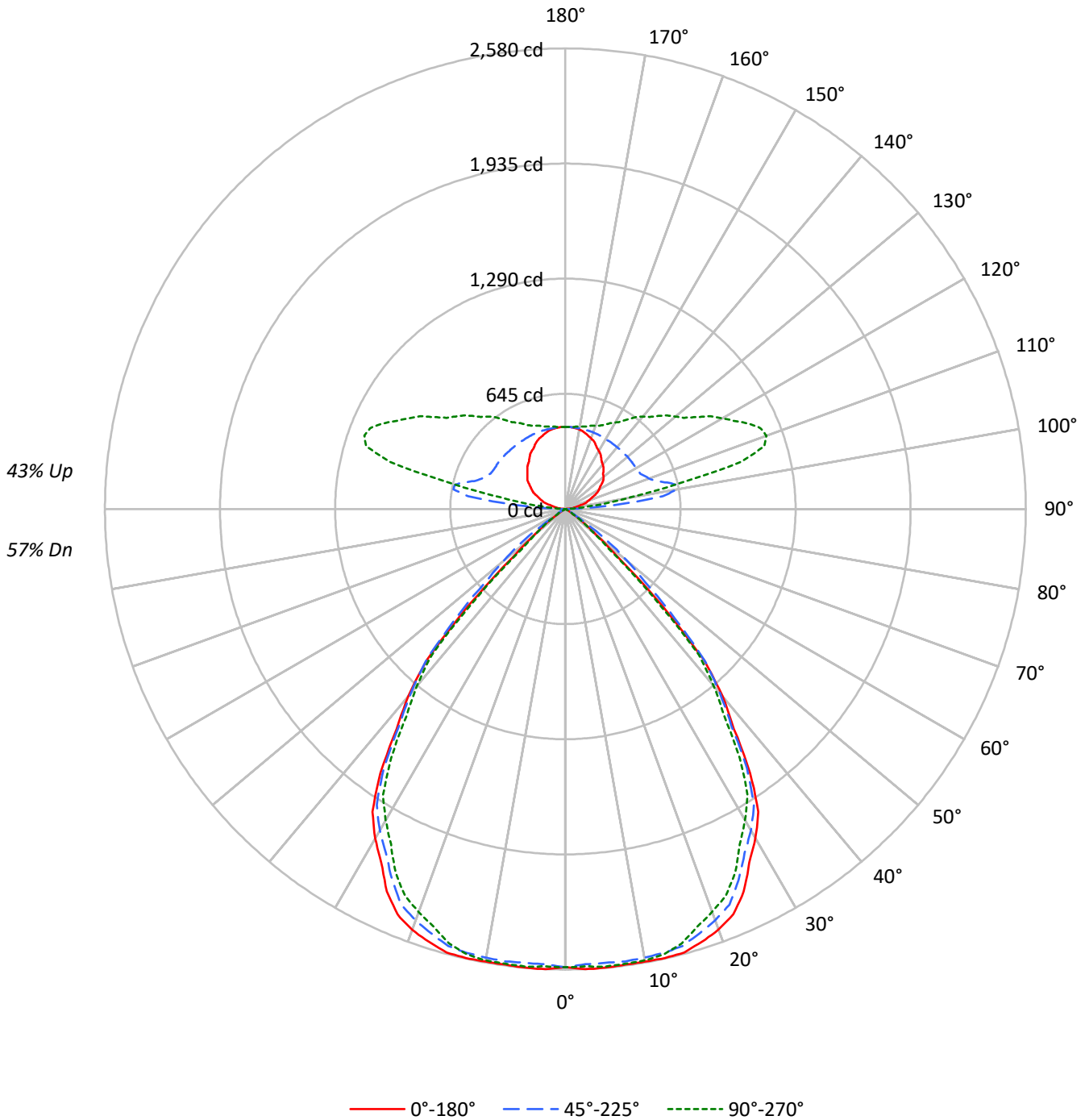
Lumens per Lamp: N/A  
Luminaire Lumens: 6690.9 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 61.4  
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	101	101	101	101	87	87	87	75	75	75	63	63	63	57
1	102	98	95	92	95	92	89	87	80	78	76	69	68	67	59	58	58	53
2	95	89	84	79	88	83	79	75	73	70	67	64	61	60	55	54	52	48
3	88	80	74	69	82	75	70	66	67	63	60	59	56	53	51	49	47	44
4	82	73	66	61	76	69	63	58	61	57	53	54	51	48	47	45	43	40
5	76	66	59	54	71	63	56	52	56	51	48	50	46	43	44	41	39	36
6	71	60	53	48	66	57	51	46	51	46	43	46	42	39	41	38	36	33
7	66	55	48	43	62	53	46	42	47	42	39	43	39	36	38	35	33	30
8	62	51	44	39	58	48	42	38	44	39	35	39	36	33	35	32	30	28
9	58	47	40	36	55	45	39	35	41	36	32	37	33	30	33	30	28	26
10	55	44	37	33	51	42	36	32	38	33	30	34	30	28	31	28	26	24

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

	0°	45°	90°
0°	41448	41448	41448
5°	41809	41358	41700
10°	42214	41837	42104
15°	42992	42364	42108
20°	43101	42142	41283
25°	42136	40884	40078
30°	39720	38769	37531
35°	35585	34958	33557
40°	28869	28382	27267
45°	17571	19920	15769
50°	5604	11258	5122
55°	1951	4087	2004
60°	155	1179	32
65°	0	73	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.3	3.7
10°-20°	717.4	10.7
20°-30°	1057.5	15.8
30°-40°	1082.9	16.2
40°-50°	624.0	9.3
50°-60°	109.3	1.6
60°-70°	4.2	0.1
70°-80°	0.0	0.0
80°-90°	0.6	0.0
90°-100°	174.1	2.6
100°-110°	577.1	8.6
110°-120°	572.7	8.6
120°-130°	466.5	7.0
130°-140°	379.1	5.7
140°-150°	294.4	4.4
150°-160°	212.1	3.2
160°-170°	129.9	1.9
170°-180°	43.9	0.7
0°-30°	2020.2	30.2
0°-40°	3103.1	46.4
0°-60°	3836.4	57.3
0°-90°	3841.2	57.4
90°-120°	1323.9	19.8
90°-150°	2463.9	36.8
90°-180°	2850.0	42.6
0°-180°	6690.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2567	2567	2567	2567	2567	
5°	2580	2574	2552	2582	2573	246
15°	2572	2593	2534	2534	2519	724
25°	2365	2383	2295	2274	2250	1079
35°	1805	1795	1774	1731	1702	1108
45°	770	861	872	829	691	589
55°	69	83	145	79	71	77
65°	0	1	2	1	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	1	3	4	4	1
95°	25	73	315	113	75	28
105°	101	144	578	1090	1019	107
115°	180	216	465	968	1132	178
125°	252	280	456	761	897	224
135°	301	332	453	653	737	233
145°	350	376	452	562	615	219
155°	399	413	455	502	520	184
165°	438	443	456	475	479	124
175°	458	458	459	462	461	44
180°	460	460	460	460	460	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2567.1	2567.1	2567.1	2567.1	2567.1
2.5°	2580.2	2573.5	2553.3	2573.9	2564.8
5°	2579.6	2574.0	2551.8	2582.3	2572.9
7.5°	2574.8	2573.5	2556.4	2580.4	2569.6
10°	2574.8	2579.5	2551.8	2576.6	2568.1
12.5°	2576.4	2587.1	2547.1	2566.5	2554.3
15°	2572.0	2592.6	2534.4	2534.1	2519.1
17.5°	2543.1	2567.6	2494.2	2474.4	2454.2
20°	2508.5	2536.7	2452.7	2424.3	2402.7
22.5°	2458.5	2485.9	2400.4	2368.1	2346.5
25°	2365.2	2383.0	2294.9	2274.2	2249.7
27.5°	2232.8	2243.3	2174.9	2139.0	2117.0
30°	2130.5	2138.0	2079.5	2040.4	2013.1
32.5°	2012.0	2009.0	1966.4	1926.6	1900.8
35°	1805.4	1795.0	1773.6	1730.7	1702.5
37.5°	1551.3	1549.4	1528.2	1490.9	1461.4
40°	1369.7	1367.8	1346.6	1313.4	1293.7
42.5°	1149.6	1185.3	1160.4	1119.7	1107.5
45°	769.5	860.7	872.4	828.8	690.6
47.5°	397.0	518.9	607.5	473.2	327.8
50°	223.1	313.4	448.2	253.8	203.9
52.5°	145.4	189.1	312.8	162.0	137.0
55°	69.3	83.4	145.2	78.7	71.2
57.5°	24.8	38.4	63.5	38.9	24.0
60°	4.8	16.1	36.5	11.3	1.0
62.5°	1.7	4.7	21.2	3.0	1.0
65°	0.0	0.9	1.9	0.9	0.0
67.5°	0.0	0.8	0.8	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.2	0.6	0.8	0.8
90°	0.0	0.9	2.9	3.8	3.8
92.5°	7.6	29.4	86.7	28.1	23.6
95°	24.8	73.2	315.4	112.6	75.3
97.5°	45.6	96.2	550.6	321.1	203.0
100°	60.0	108.5	637.5	547.6	363.1
102.5°	76.0	123.0	632.2	836.8	632.2
105°	101.0	143.9	577.5	1089.6	1018.7
107.5°	126.6	164.8	525.1	1115.3	1169.1
110°	141.0	179.2	498.4	1089.8	1198.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	156.3	193.7	482.4	1044.8	1183.6
115°	180.1	215.5	465.1	968.1	1132.1
117.5°	203.7	235.2	458.8	894.9	1067.0
120°	218.2	249.0	456.5	849.1	1015.9
122.5°	231.2	261.2	456.5	811.4	965.6
125°	251.6	279.5	456.5	760.7	896.8
127.5°	268.4	295.8	455.3	722.3	838.6
130°	278.3	307.2	454.6	700.0	804.3
132.5°	287.4	317.1	453.8	681.4	775.3
135°	301.1	331.9	452.7	652.8	736.7
137.5°	316.0	345.6	451.5	625.1	699.1
140°	325.9	354.8	450.8	606.7	674.7
142.5°	335.1	363.2	451.5	588.2	648.8
145°	349.7	375.8	451.7	561.6	614.7
147.5°	365.6	387.4	451.9	539.0	578.5
150°	375.5	395.0	452.7	525.9	559.4
152.5°	384.6	403.4	453.4	515.0	541.9
155°	399.3	413.3	454.6	501.7	520.3
157.5°	413.6	424.4	455.7	492.2	505.5
160°	421.2	430.5	456.5	485.3	495.6
162.5°	428.8	435.9	456.5	480.7	488.7
165°	438.4	443.0	456.5	474.7	479.4
167.5°	447.1	449.6	457.4	469.3	471.7
170°	451.7	452.6	457.4	467.0	467.9
172.5°	454.8	455.7	458.2	464.7	464.9
175°	458.4	458.4	459.3	462.2	461.2
177.5°	460.3	460.3	459.5	461.0	459.5
180°	460.3	460.3	460.3	460.3	460.3

(END OF REPORT)