

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: P559657

Luminaire Tested: **DL2-BB-M-0U-125D-930-UNV-STD-W-4**

Issue Date: 3/5/2020

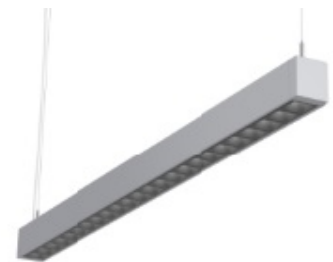
**Test Information**

Test Method: LM-79-08  
Report Number: P559657  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/5/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DL2-BB-M-0U-125D-930-UNV-STD-W-4  
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE  
DOWNLIGHT 1250 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

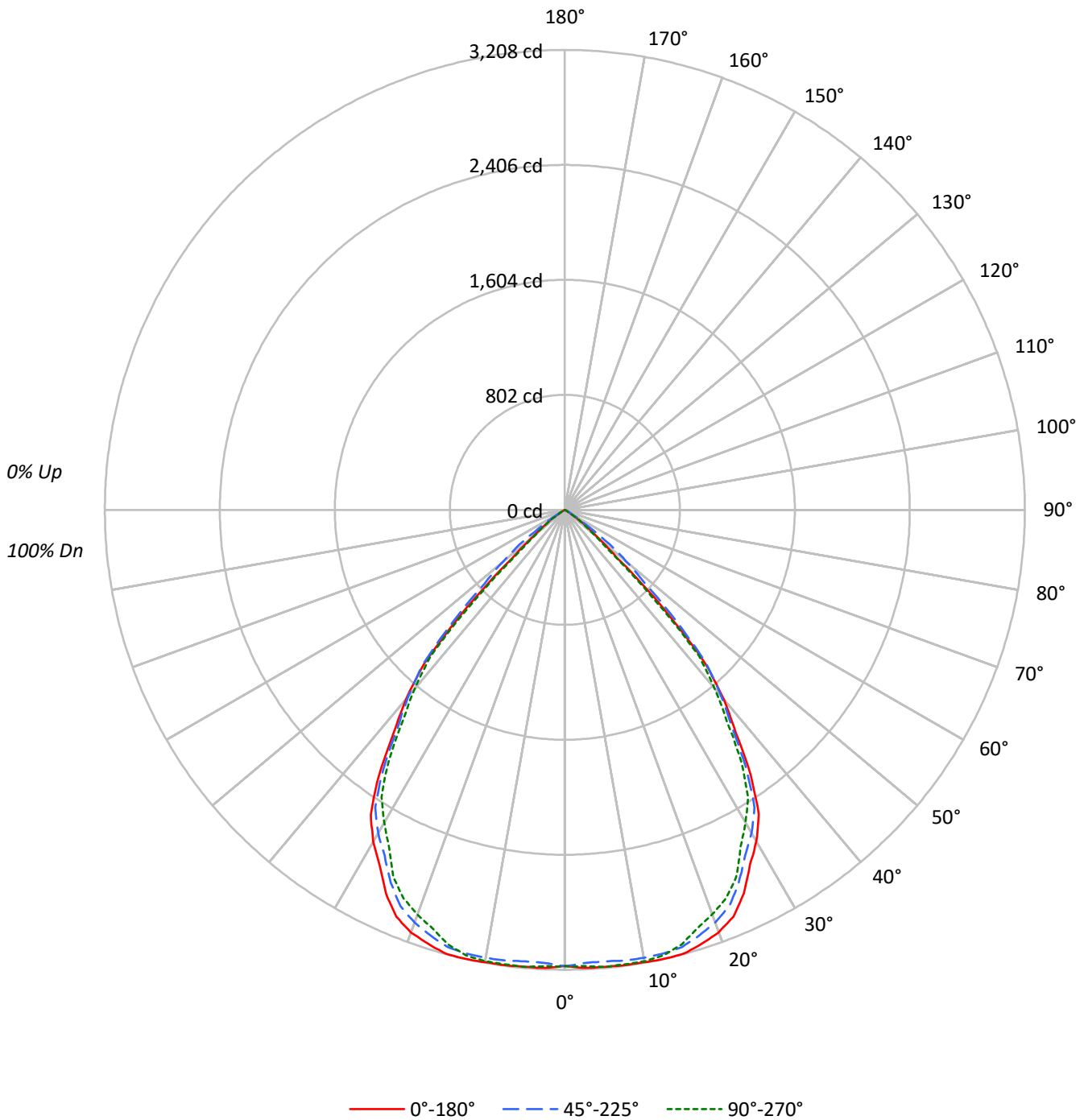
Lumens per Lamp: N/A  
Luminaire Lumens: 4806.1 lumens  
Efficiency: N/A  
Efficacy: 96.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 49.8  
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





TEST NUMBER: P559657

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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	106	101	96	93	104	99	95	91	96	92	89	93	90	88	90	88	86	84
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	55	53
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49
9	69	58	51	47	68	58	51	47	57	51	47	56	50	46	55	50	46	45
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41

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

	0°	45°	90°
0°	51400	51400	51400
5°	51862	51224	51862
10°	52524	52021	52415
15°	53585	52764	52475
20°	53890	52634	51627
25°	52586	51129	50358
30°	49795	48541	46961
35°	44532	43489	42275
40°	36267	35738	34279
45°	22137	25080	19941
50°	7224	14036	6355
55°	2463	4954	2545
60°	187	1427	61
65°	38	73	0
70°	0	47	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	304.7	6.3
10°-20°	894.6	18.6
20°-30°	1322.1	27.5
30°-40°	1358.8	28.3
40°-50°	784.8	16.3
50°-60°	136.0	2.8
60°-70°	5.1	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	2521.4	52.5
0°-40°	3880.1	80.7
0°-60°	4800.9	99.9
0°-90°	4806.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4806.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3184	3184	3184	3184	3184	
5°	3200	3190	3160	3206	3200	306
15°	3206	3229	3157	3162	3139	903
25°	2952	2978	2870	2837	2827	1350
35°	2259	2260	2206	2172	2145	1390
45°	970	1100	1098	1040	873	741
55°	88	102	176	100	90	98
65°	1	1	2	1	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3183.5	3183.5	3183.5	3183.5	3183.5
2.5°	3198.2	3189.1	3163.5	3192.6	3185.9
5°	3199.9	3190.5	3160.5	3206.5	3199.9
7.5°	3203.0	3197.1	3171.4	3207.5	3197.0
10°	3203.7	3204.7	3173.0	3204.5	3197.0
12.5°	3208.4	3217.6	3169.9	3195.2	3182.4
15°	3205.7	3229.2	3156.6	3161.9	3139.3
17.5°	3173.4	3207.2	3114.1	3091.3	3063.1
20°	3136.4	3170.3	3063.3	3032.9	3004.7
22.5°	3071.0	3107.9	2993.3	2959.8	2933.9
25°	2951.8	2978.1	2870.0	2837.1	2826.7
27.5°	2794.8	2804.2	2720.5	2677.1	2652.8
30°	2670.9	2669.0	2603.6	2553.7	2518.9
32.5°	2517.8	2527.2	2461.2	2414.5	2378.9
35°	2259.3	2260.2	2206.4	2172.1	2144.8
37.5°	1957.6	1952.9	1915.7	1869.6	1854.2
40°	1720.7	1727.2	1695.6	1643.3	1626.4
42.5°	1446.0	1489.4	1467.1	1405.5	1384.8
45°	969.5	1100.2	1098.4	1039.8	873.3
47.5°	496.1	659.7	758.1	593.8	398.4
50°	287.6	391.0	558.8	308.4	253.0
52.5°	182.2	231.4	397.2	200.5	168.3
55°	87.5	101.6	176.0	99.8	90.4
57.5°	31.9	47.5	78.1	48.5	34.2
60°	5.8	19.9	44.2	13.2	1.9
62.5°	1.9	5.5	25.8	3.4	1.2
65°	1.0	1.0	1.9	0.9	0.0
67.5°	0.0	0.9	1.0	0.0	0.0
70°	0.0	0.9	1.0	0.0	0.0
72.5°	0.0	0.2	0.2	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	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)