

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: P559659

Luminaire Tested: **DL2-BB-M-0U-125D-940-UNV-STD-W-4**

Issue Date: 3/5/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P559659  
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-940-UNV-STD-W-4  
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE  
DOWNLIGHT 1250 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

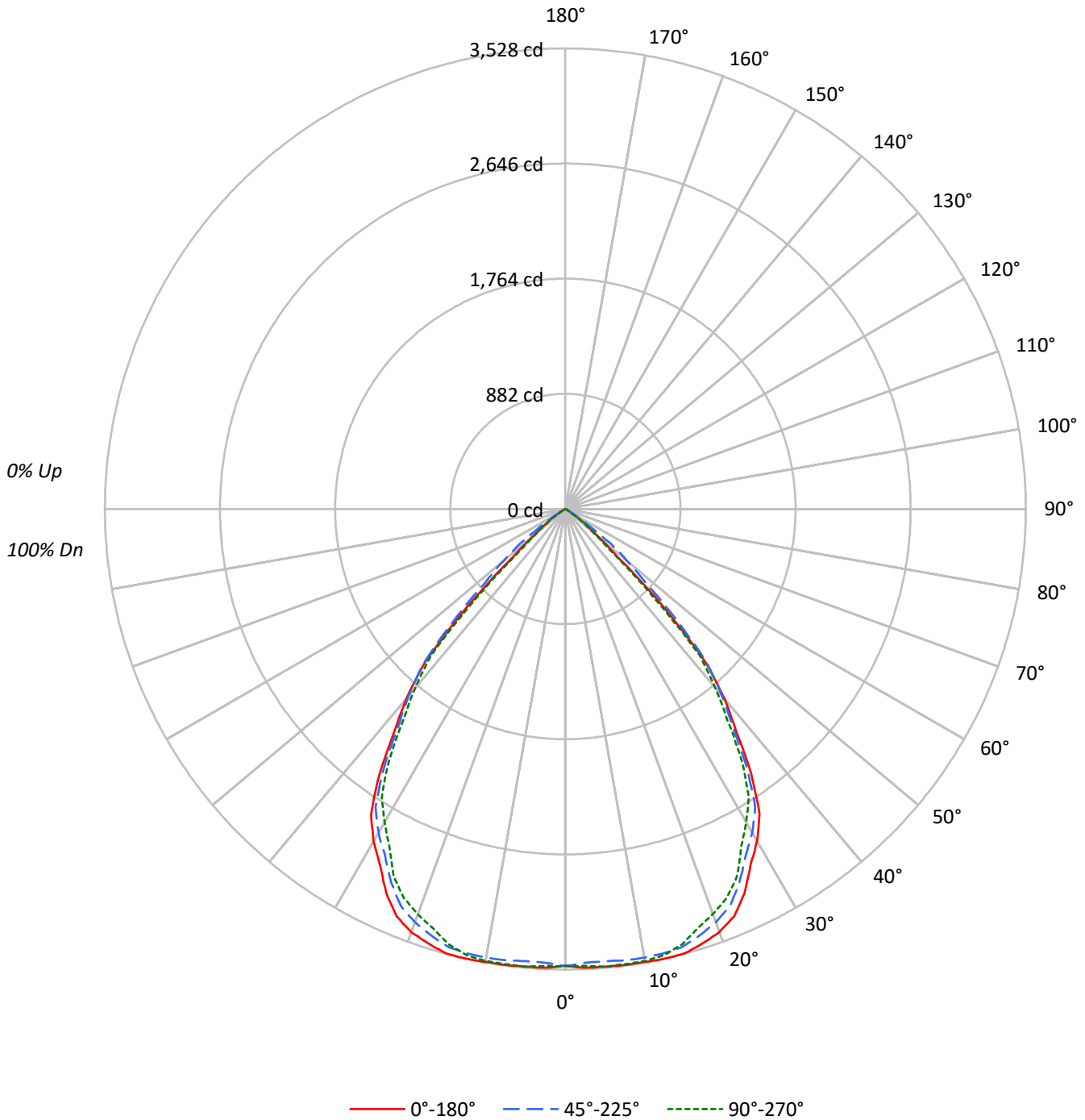
Lumens per Lamp: N/A  
Luminaire Lumens: 5285.7 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Direct

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



TEST NUMBER: P559659  
CATALOG NUMBER: DL2-BB-M-0U-125D-940-UNV-STD-W-4

### Luminous Intensity Polar Plot





TEST NUMBER: P559659

CATALOG NUMBER: DL2-BB-M-OU-125D-940-UNV-STD-W-4

**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°	56530	56530	56530
5°	57037	56334	57037
10°	57766	57212	57645
15°	58930	58029	57710
20°	59268	57886	56778
25°	57833	56231	55383
30°	54764	53384	51648
35°	48975	47827	46493
40°	39884	39304	37700
45°	24345	27583	21932
50°	7945	15438	6988
55°	2711	5450	2798
60°	203	1573	68
65°	42	80	0
70°	0	52	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



TEST NUMBER: P559659

CATALOG NUMBER: DL2-BB-M-OU-125D-940-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	335.1	6.3
10°-20°	983.9	18.6
20°-30°	1454.0	27.5
30°-40°	1494.3	28.3
40°-50°	863.1	16.3
50°-60°	149.6	2.8
60°-70°	5.6	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°	2773.0	52.5
0°-40°	4267.3	80.7
0°-60°	5280.0	99.9
0°-90°	5285.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5285.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3501	3501	3501	3501	3501	
5°	3519	3509	3476	3526	3519	336
15°	3526	3551	3472	3477	3452	993
25°	3246	3275	3156	3120	3109	1484
35°	2485	2486	2426	2389	2359	1529
45°	1066	1210	1208	1144	960	815
55°	96	112	194	110	99	108
65°	1	1	2	1	0	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P559659

CATALOG NUMBER: DL2-BB-M-OU-125D-940-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3501.2	3501.2	3501.2	3501.2	3501.2
2.5°	3517.3	3507.4	3479.2	3511.2	3503.7
5°	3519.2	3508.8	3475.8	3526.4	3519.2
7.5°	3522.6	3516.2	3487.9	3527.6	3516.0
10°	3523.4	3524.5	3489.6	3524.3	3516.0
12.5°	3528.5	3538.6	3486.2	3514.0	3499.9
15°	3525.5	3551.4	3471.6	3477.4	3452.5
17.5°	3490.0	3527.2	3424.8	3399.8	3368.8
20°	3449.4	3486.6	3369.0	3335.5	3304.5
22.5°	3377.4	3418.0	3292.0	3255.2	3226.6
25°	3246.3	3275.2	3156.4	3120.2	3108.8
27.5°	3073.7	3084.0	2992.0	2944.2	2917.5
30°	2937.4	2935.3	2863.4	2808.6	2770.3
32.5°	2769.0	2779.4	2706.8	2655.4	2616.3
35°	2484.7	2485.7	2426.5	2388.8	2358.8
37.5°	2153.0	2147.8	2106.9	2056.1	2039.2
40°	1892.3	1899.6	1864.8	1807.3	1788.7
42.5°	1590.2	1638.0	1613.5	1545.7	1523.0
45°	1066.2	1210.0	1208.0	1143.5	960.5
47.5°	545.6	725.6	833.7	653.0	438.1
50°	316.3	430.0	614.6	339.2	278.2
52.5°	200.3	254.5	436.9	220.5	185.1
55°	96.3	111.8	193.6	109.8	99.4
57.5°	35.1	52.3	85.9	53.4	37.7
60°	6.3	21.9	48.7	14.5	2.1
62.5°	2.1	6.0	28.3	3.8	1.3
65°	1.1	1.1	2.1	1.0	0.0
67.5°	0.0	1.0	1.1	0.0	0.0
70°	0.0	1.0	1.1	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)