

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P571637

Luminaire Tested: **DL2-BB-M-0U-XD-935-UNV-X-BSL6-W-4**

Issue Date: 3/5/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P571637  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/5/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DL2-BB-M-0U-XD-935-UNV-X-BSL6-W-4  
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE  
DOWNLIGHT 500 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: -  
Ballast/Driver: BODINE 6 WATT (OUTPUT POWER) EMERGENCY BATTERY PACK

**Summary**

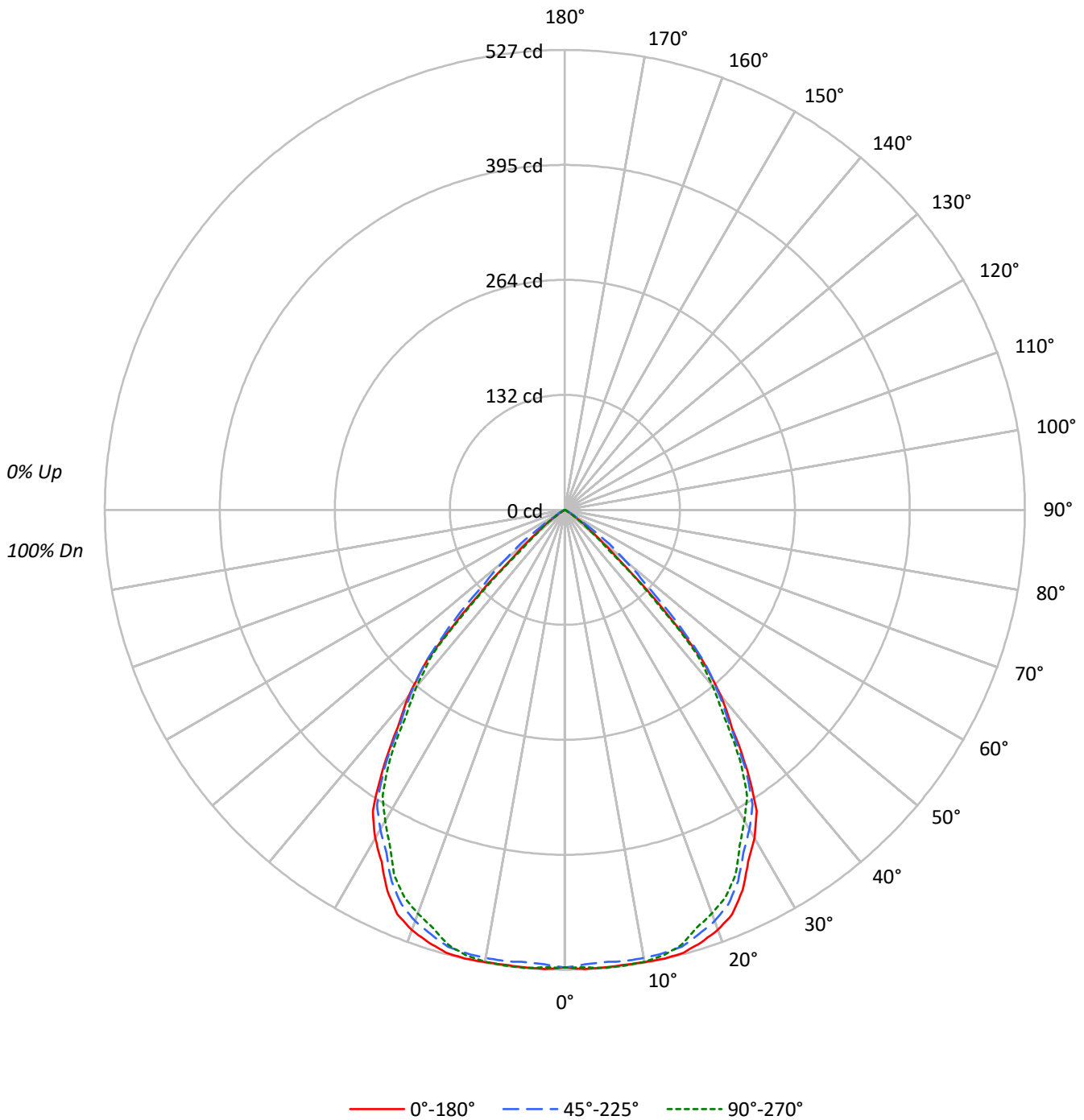
Lumens per Lamp: N/A  
Luminaire Lumens: 783.1 lumens  
Efficiency: N/A  
Efficacy: 130.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 6  
Input Voltage (V): NR  
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	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	92	96	92	90	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	76	72	78	74	71	70
5	88	79	72	67	86	78	72	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	60	58
7	78	67	61	56	76	67	60	56	65	59	55	64	59	55	63	58	55	53
8	73	63	56	51	72	62	55	51	61	55	51	60	54	51	59	54	50	49
9	69	58	52	47	68	58	51	47	57	51	47	56	50	47	55	50	46	45
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	47	43	42

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

	0°	45°	90°
0°	8468	8468	8468
5°	8527	8431	8540
10°	8625	8548	8619
15°	8781	8664	8625
20°	8804	8617	8457
25°	8573	8364	8232
30°	8099	7881	7670
35°	7181	7096	6895
40°	5861	5779	5547
45°	3455	4078	3215
50°	1165	2273	1037
55°	394	814	417
60°	39	239	13
65°	0	15	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°	50.1	6.4
10°-20°	146.7	18.7
20°-30°	215.9	27.6
30°-40°	220.6	28.2
40°-50°	126.8	16.2
50°-60°	22.2	2.8
60°-70°	0.8	0.1
70°-80°	0.0	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°	412.7	52.7
0°-40°	633.3	80.9
0°-60°	782.3	99.9
0°-90°	783.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	783.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	524	524	524	524	524	
5°	526	525	520	528	527	50
15°	525	530	518	519	516	148
25°	481	486	470	464	462	220
35°	364	366	360	354	350	225
45°	151	176	179	169	141	118
55°	14	17	29	16	15	16
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	524.5	524.5	524.5	524.5	524.5
2.5°	526.7	525.5	521.4	526.1	524.8
5°	526.1	525.0	520.2	527.7	526.9
7.5°	525.8	524.9	521.7	528.2	526.6
10°	526.1	526.1	521.4	527.2	525.7
12.5°	526.7	528.2	520.5	525.0	522.9
15°	525.3	529.9	518.3	518.6	516.0
17.5°	519.6	525.8	510.0	506.2	502.2
20°	512.4	518.9	501.5	495.6	492.2
22.5°	501.5	507.7	489.4	484.4	480.6
25°	481.2	485.5	469.5	464.4	462.1
27.5°	454.7	456.9	443.0	437.7	433.9
30°	434.4	434.4	422.7	416.8	411.4
32.5°	409.2	408.0	400.3	393.4	388.4
35°	364.3	366.2	360.0	354.0	349.8
37.5°	314.6	316.4	310.0	303.3	300.4
40°	278.1	279.6	274.2	267.1	263.2
42.5°	233.1	241.4	236.4	228.7	223.6
45°	151.3	176.1	178.6	169.4	140.8
47.5°	78.9	104.8	123.9	94.6	66.3
50°	46.4	63.2	90.5	51.6	41.3
52.5°	29.9	37.2	63.6	33.0	27.9
55°	14.0	16.7	28.9	16.3	14.8
57.5°	5.2	7.8	13.0	7.9	5.7
60°	1.2	3.5	7.4	2.3	0.4
62.5°	0.2	1.0	4.3	0.5	0.1
65°	0.0	0.0	0.4	0.0	0.0
67.5°	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)