

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: P571640

Luminaire Tested: **DL2-WB-M-0U-XD-935-UNV-X-BSL6-W-6**

Issue Date: 3/5/2020

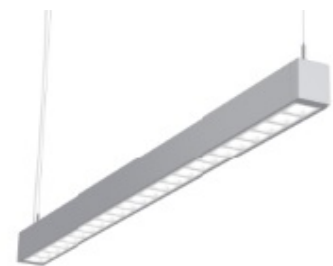
**Test Information**

Test Method: LM-79-2019  
Report Number: P571640  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/5/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DL2-WB-M-0U-XD-935-UNV-X-BSL6-W-6  
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**

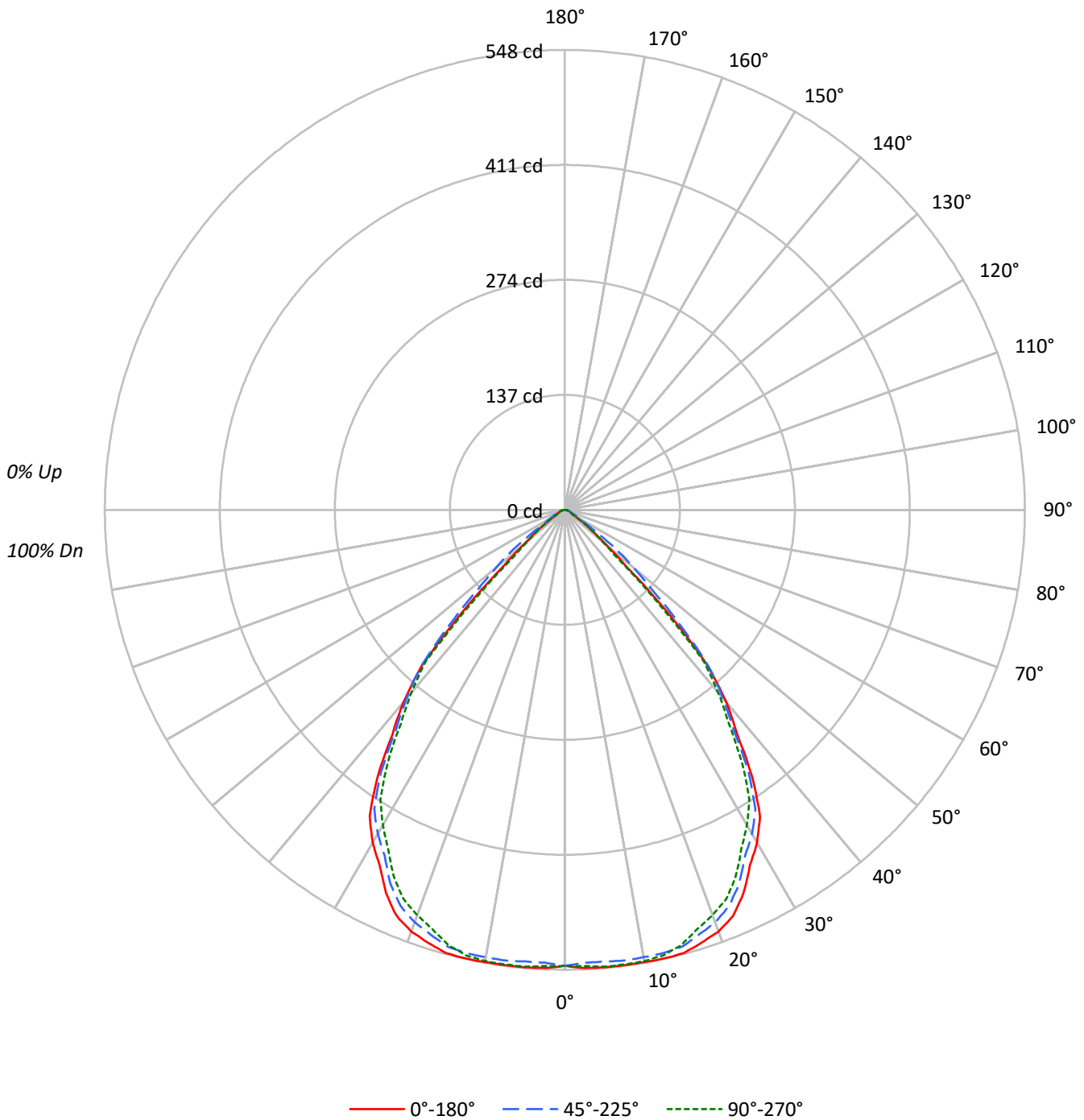
Lumens per Lamp: N/A  
Luminaire Lumens: 855.1 lumens  
Efficiency: N/A  
Efficacy: 142.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.19 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 6' x H: 0')  
CIE Type: Direct

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





TEST NUMBER: P571640

CATALOG NUMBER: DL2-WB-M-OU-XD-935-UNV-X-BSL6-W-6

**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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91				91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83				83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75				75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	77	73	70	68				68
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62				62
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56				56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51				51
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47				47
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43				43
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40				40

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

	0°	45°	90°
0°	5848	5848	5848
5°	5913	5836	5904
10°	5981	5916	5968
15°	6093	6006	5980
20°	6125	5991	5888
25°	5985	5836	5725
30°	5690	5541	5390
35°	5114	5017	4838
40°	4203	4116	3995
45°	2659	2987	2399
50°	1032	1757	946
55°	497	798	505
60°	235	394	217
65°	209	229	199
70°	208	208	195
75°	195	212	179
80°	192	192	167
85°	198	198	148



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.0	6.1
10°-20°	152.6	17.8
20°-30°	226.0	26.4
30°-40°	234.1	27.4
40°-50°	140.7	16.5
50°-60°	33.6	3.9
60°-70°	9.2	1.1
70°-80°	5.1	0.6
80°-90°	1.6	0.2
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°	430.7	50.4
0°-40°	664.8	77.7
0°-60°	839.1	98.1
0°-90°	855.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	855.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	543	543	543	543	543	
5°	547	545	540	547	546	52
15°	547	550	539	539	537	154
25°	504	508	491	485	482	230
35°	389	388	382	375	368	239
45°	175	196	196	186	158	134
55°	26	30	42	28	27	27
65°	8	9	9	8	8	8
75°	5	5	5	5	4	5
85°	2	2	2	2	1	2
90°	0	0	0	0	0	



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CATALOG NUMBER: DL2-WB-M-OU-XD-935-UNV-X-BSL6-W-6

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	543.3	543.3	543.3	543.3	543.3
2.5°	546.4	544.5	540.1	545.1	543.9
5°	547.2	545.2	540.1	547.2	546.4
7.5°	547.2	545.9	541.6	547.4	546.3
10°	547.2	547.2	541.3	547.1	546.0
12.5°	547.5	549.0	541.0	545.2	543.5
15°	546.8	550.2	539.0	539.3	536.6
17.5°	540.9	546.3	530.8	527.7	524.0
20°	534.7	540.0	523.0	517.0	514.0
22.5°	523.8	529.4	511.1	505.5	502.2
25°	503.9	508.4	491.4	485.1	482.0
27.5°	477.5	479.6	464.8	458.9	455.5
30°	457.8	457.5	445.8	438.2	433.7
32.5°	432.6	433.1	422.4	415.1	409.0
35°	389.2	388.4	381.8	374.6	368.2
37.5°	337.5	338.0	330.9	323.3	320.8
40°	299.1	300.3	292.9	284.7	284.3
42.5°	252.3	260.8	255.4	246.9	245.3
45°	174.7	196.1	196.2	185.8	157.6
47.5°	97.2	123.9	139.9	110.3	82.4
50°	61.6	79.2	104.9	66.1	56.5
52.5°	43.8	52.5	77.8	47.1	41.3
55°	26.5	30.3	42.5	28.4	26.9
57.5°	16.2	19.6	24.9	19.3	16.1
60°	10.9	14.0	18.3	12.4	10.1
62.5°	9.7	10.6	14.3	10.0	9.2
65°	8.2	8.6	9.0	8.2	7.8
67.5°	7.3	7.6	7.6	7.3	6.9
70°	6.6	7.0	6.6	6.6	6.2
72.5°	6.0	6.1	6.0	5.7	5.6
75°	4.7	5.1	5.1	4.7	4.3
77.5°	3.7	4.1	3.7	3.7	3.4
80°	3.1	3.1	3.1	3.1	2.7
82.5°	2.5	2.5	2.5	2.5	2.1
85°	1.6	1.6	1.6	1.6	1.2
87.5°	0.6	0.6	0.6	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)