

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: P571639

Luminaire Tested: **DL2-WB-M-0U-XD-930-UNV-X-BSL6-W-4**

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-2019
Report Number: P571639
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-930-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

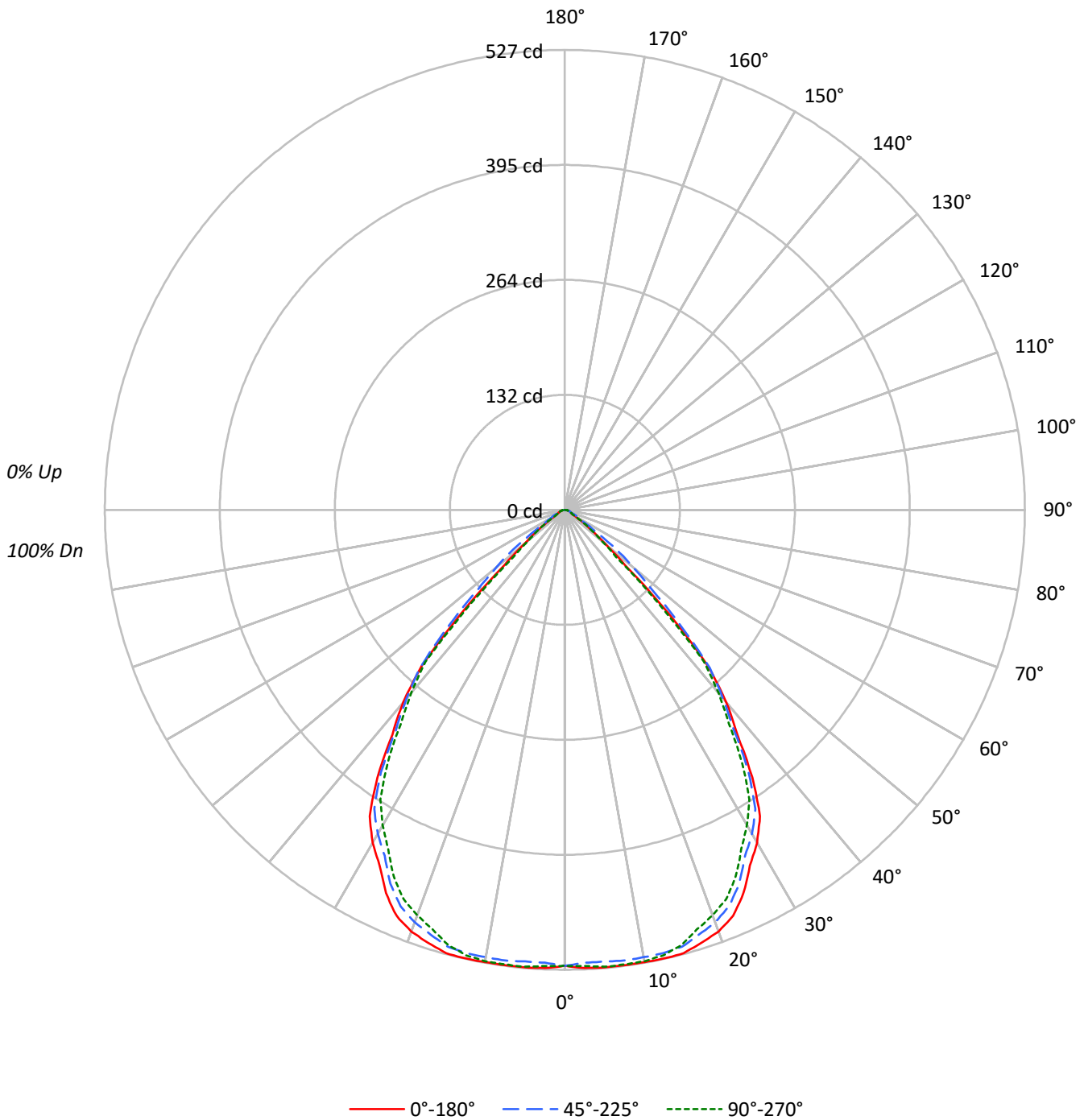
Lumens per Lamp: N/A
Luminaire Lumens: 822.4 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.19 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8436	8436	8436
5°	8530	8420	8517
10°	8629	8535	8609
15°	8791	8665	8627
20°	8835	8643	8495
25°	8633	8419	8259
30°	8211	7993	7776
35°	7380	7238	6979
40°	6064	5937	5765
45°	3836	4309	3462
50°	1490	2534	1366
55°	718	1151	729
60°	339	568	313
65°	302	329	287
70°	302	302	283
75°	281	306	256
80°	279	279	242
85°	278	278	204



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.0	6.1
10°-20°	146.8	17.9
20°-30°	217.4	26.4
30°-40°	225.2	27.4
40°-50°	135.3	16.5
50°-60°	32.3	3.9
60°-70°	8.8	1.1
70°-80°	4.9	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°	414.2	50.4
0°-40°	639.4	77.7
0°-60°	807.1	98.1
0°-90°	822.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	822.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	522	522	522	522	522	
5°	526	524	520	526	526	50
15°	526	529	518	519	516	148
25°	485	489	473	466	464	222
35°	374	374	367	360	354	230
45°	168	189	189	179	152	129
55°	26	29	41	27	26	26
65°	8	8	9	8	8	8
75°	4	5	5	4	4	5
85°	2	2	2	2	1	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	522.5	522.5	522.5	522.5	522.5
2.5°	525.5	523.8	519.5	524.3	523.1
5°	526.3	524.4	519.5	526.3	525.5
7.5°	526.3	525.1	520.9	526.5	525.4
10°	526.3	526.3	520.6	526.2	525.1
12.5°	526.6	528.0	520.3	524.4	522.7
15°	525.9	529.2	518.4	518.7	516.1
17.5°	520.2	525.4	510.5	507.5	504.0
20°	514.2	519.4	503.0	497.3	494.4
22.5°	503.8	509.2	491.6	486.2	483.0
25°	484.6	489.0	472.6	466.5	463.6
27.5°	459.3	461.2	447.0	441.4	438.1
30°	440.4	440.0	428.7	421.5	417.1
32.5°	416.0	416.5	406.2	399.3	393.4
35°	374.4	373.6	367.2	360.3	354.1
37.5°	324.6	325.1	318.3	311.0	308.6
40°	287.7	288.8	281.7	273.8	273.5
42.5°	242.7	250.8	245.7	237.5	235.9
45°	168.0	188.6	188.7	178.7	151.6
47.5°	93.5	119.1	134.5	106.1	79.3
50°	59.3	76.1	100.9	63.6	54.4
52.5°	42.2	50.5	74.8	45.3	39.7
55°	25.5	29.2	40.9	27.3	25.9
57.5°	15.6	18.8	23.9	18.5	15.4
60°	10.5	13.5	17.6	11.9	9.7
62.5°	9.3	10.2	13.7	9.6	8.9
65°	7.9	8.2	8.6	7.9	7.5
67.5°	7.0	7.3	7.3	7.0	6.6
70°	6.4	6.7	6.4	6.4	6.0
72.5°	5.8	5.8	5.8	5.5	5.4
75°	4.5	4.9	4.9	4.5	4.1
77.5°	3.6	3.9	3.6	3.6	3.2
80°	3.0	3.0	3.0	3.0	2.6
82.5°	2.4	2.4	2.4	2.4	2.0
85°	1.5	1.5	1.5	1.5	1.1
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)