

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: P571636

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

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-2019
Report Number: P571636
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-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

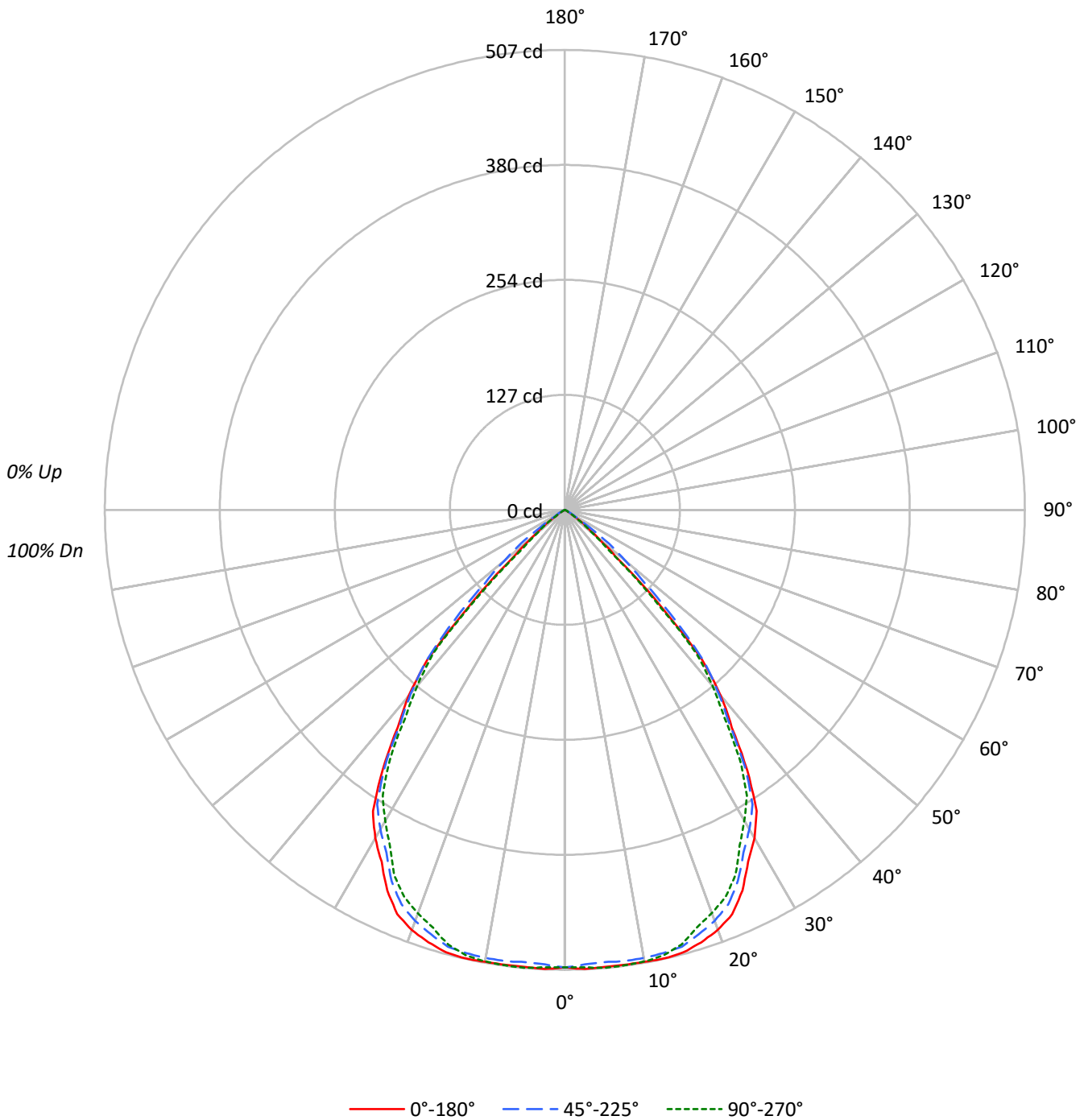
Lumens per Lamp: N/A
Luminaire Lumens: 753.2 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

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°	8146	8146	8146
5°	8201	8110	8214
10°	8296	8222	8289
15°	8445	8333	8296
20°	8469	8289	8134
25°	8247	8045	7919
30°	7789	7580	7377
35°	6905	6824	6631
40°	5638	5558	5337
45°	3322	3923	3092
50°	1123	2185	1000
55°	380	783	400
60°	36	229	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°	48.2	6.4
10°-20°	141.1	18.7
20°-30°	207.6	27.6
30°-40°	212.2	28.2
40°-50°	122.0	16.2
50°-60°	21.3	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°	397.0	52.7
0°-40°	609.1	80.9
0°-60°	752.4	99.9
0°-90°	753.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	753.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	504	504	504	504	504	
5°	506	505	500	508	507	48
15°	505	510	498	499	496	142
25°	463	467	452	447	444	212
35°	350	352	346	340	336	216
45°	146	169	172	163	135	114
55°	14	16	28	16	14	15
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°	504.5	504.5	504.5	504.5	504.5
2.5°	506.6	505.4	501.5	506.0	504.8
5°	506.0	504.9	500.4	507.5	506.8
7.5°	505.7	504.8	501.8	508.0	506.5
10°	506.0	506.0	501.5	507.1	505.6
12.5°	506.6	508.1	500.6	505.0	502.9
15°	505.2	509.6	498.5	498.8	496.3
17.5°	499.8	505.7	490.5	486.9	483.0
20°	492.9	499.1	482.4	476.7	473.4
22.5°	482.4	488.3	470.7	465.8	462.3
25°	462.9	466.9	451.6	446.7	444.5
27.5°	437.4	439.4	426.1	421.0	417.3
30°	417.8	417.8	406.6	400.9	395.7
32.5°	393.5	392.4	385.0	378.4	373.5
35°	350.3	352.2	346.2	340.5	336.4
37.5°	302.6	304.3	298.2	291.7	288.9
40°	267.5	268.9	263.7	256.8	253.2
42.5°	224.2	232.2	227.4	219.9	215.1
45°	145.5	169.4	171.8	162.9	135.4
47.5°	75.9	100.8	119.1	91.0	63.8
50°	44.7	60.8	87.0	49.6	39.8
52.5°	28.7	35.8	61.2	31.8	26.9
55°	13.5	16.1	27.8	15.7	14.2
57.5°	5.0	7.5	12.5	7.6	5.5
60°	1.1	3.3	7.1	2.2	0.4
62.5°	0.2	1.0	4.1	0.4	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)