

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: P571641

Luminaire Tested: **DL2-WB-M-0U-XD-940-UNV-X-BSL6-W-4**

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-2019
Report Number: P571641
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-940-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

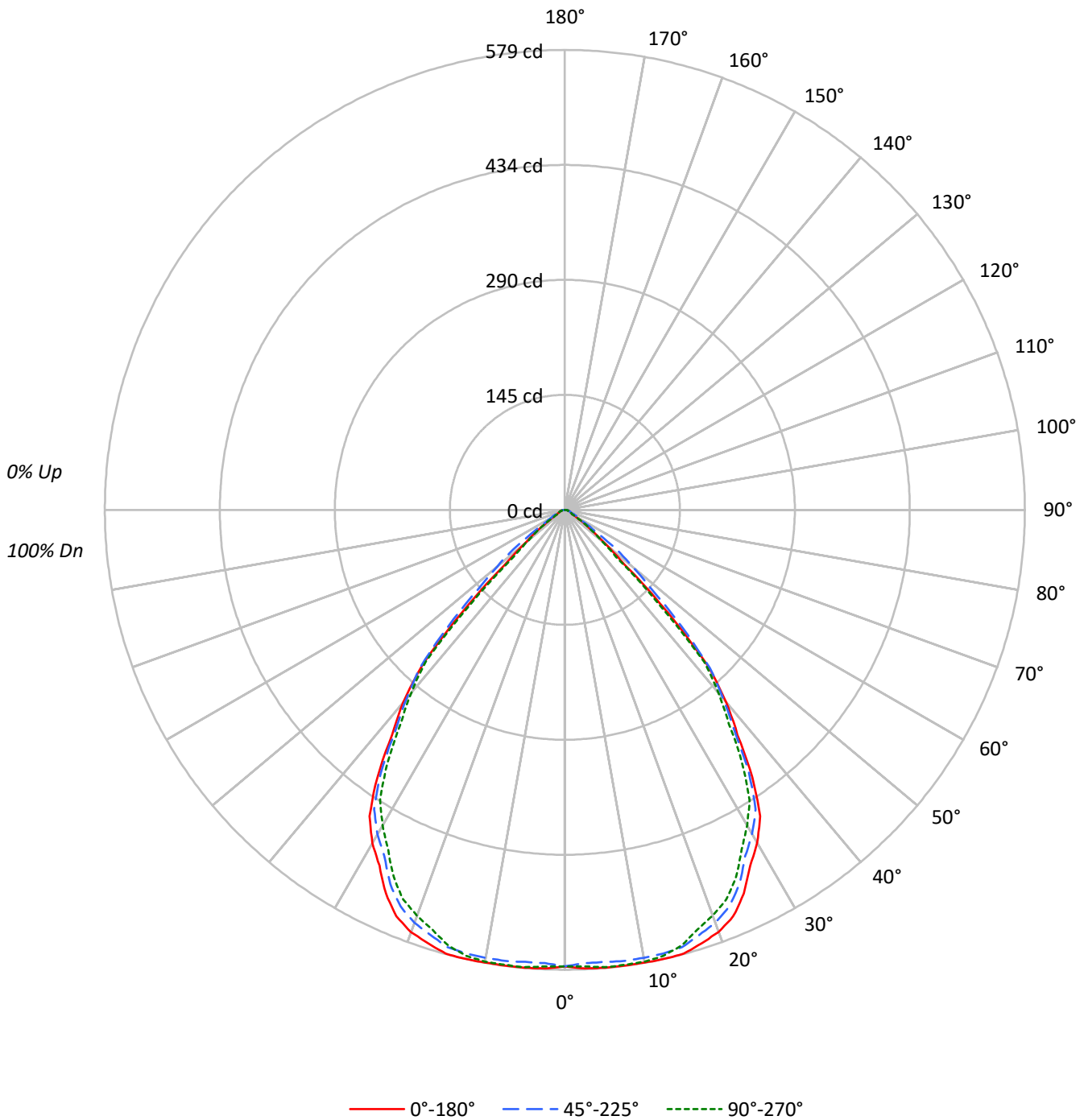
Lumens per Lamp: N/A
Luminaire Lumens: 904.4 lumens
Efficiency: N/A
Efficacy: 150.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.19 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

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





TEST NUMBER: P571641

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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	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°	9279	9279	9279
5°	9379	9259	9366
10°	9488	9388	9468
15°	9668	9529	9488
20°	9718	9505	9342
25°	9495	9260	9084
30°	9029	8790	8552
35°	8115	7961	7675
40°	6669	6530	6338
45°	4220	4738	3804
50°	1638	2788	1502
55°	788	1267	802
60°	371	626	346
65°	332	363	317
70°	330	330	312
75°	312	337	281
80°	307	307	270
85°	296	296	222



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.0	6.1
10°-20°	161.4	17.9
20°-30°	239.1	26.4
30°-40°	247.6	27.4
40°-50°	148.8	16.5
50°-60°	35.6	3.9
60°-70°	9.7	1.1
70°-80°	5.4	0.6
80°-90°	1.7	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°	455.5	50.4
0°-40°	703.2	77.7
0°-60°	887.6	98.1
0°-90°	904.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	904.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	575	575	575	575	575	
5°	579	577	571	579	578	55
15°	578	582	570	570	568	163
25°	533	538	520	513	510	244
35°	412	411	404	396	389	253
45°	185	207	208	196	167	141
55°	28	32	45	30	28	29
65°	9	9	10	9	8	9
75°	5	5	5	5	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°	574.7	574.7	574.7	574.7	574.7
2.5°	577.9	576.0	571.3	576.6	575.3
5°	578.7	576.8	571.3	578.7	577.9
7.5°	578.7	577.5	572.9	579.1	577.8
10°	578.7	578.7	572.6	578.7	577.5
12.5°	579.1	580.7	572.2	576.8	574.9
15°	578.4	582.0	570.1	570.4	567.6
17.5°	572.2	577.8	561.4	558.1	554.3
20°	565.6	571.2	553.2	546.9	543.7
22.5°	554.0	560.0	540.6	534.7	531.2
25°	533.0	537.8	519.8	513.1	509.9
27.5°	505.1	507.3	491.6	485.4	481.8
30°	484.3	483.9	471.5	463.5	458.7
32.5°	457.6	458.1	446.8	439.1	432.7
35°	411.7	410.9	403.9	396.3	389.4
37.5°	357.0	357.5	350.1	342.0	339.3
40°	316.4	317.6	309.8	301.1	300.7
42.5°	266.9	275.8	270.2	261.2	259.5
45°	184.8	207.4	207.5	196.5	166.6
47.5°	102.8	131.0	147.9	116.6	87.2
50°	65.2	83.7	111.0	69.9	59.8
52.5°	46.4	55.6	82.2	49.8	43.6
55°	28.0	32.1	45.0	30.1	28.5
57.5°	17.2	20.7	26.3	20.4	17.0
60°	11.5	14.8	19.4	13.1	10.7
62.5°	10.2	11.2	15.1	10.5	9.7
65°	8.7	9.0	9.5	8.7	8.3
67.5°	7.7	8.1	8.0	7.7	7.3
70°	7.0	7.4	7.0	7.0	6.6
72.5°	6.4	6.4	6.4	6.0	5.9
75°	5.0	5.3	5.4	5.0	4.5
77.5°	4.0	4.3	4.0	3.9	3.5
80°	3.3	3.3	3.3	3.3	2.9
82.5°	2.7	2.7	2.7	2.6	2.2
85°	1.6	1.6	1.6	1.6	1.2
87.5°	0.7	0.7	0.7	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)