

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P559654

Luminaire Tested: **DL2-BB-M-0U-100D-930-UNV-STD-W-4**

Issue Date: 3/5/2020

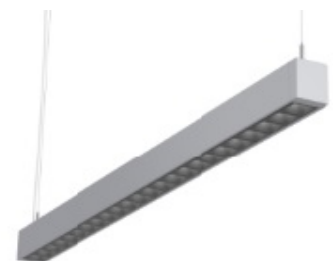
Test Information

Test Method: LM-79-08
Report Number: P559654
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DL2-BB-M-0U-100D-930-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT
DIRECT ONLY
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

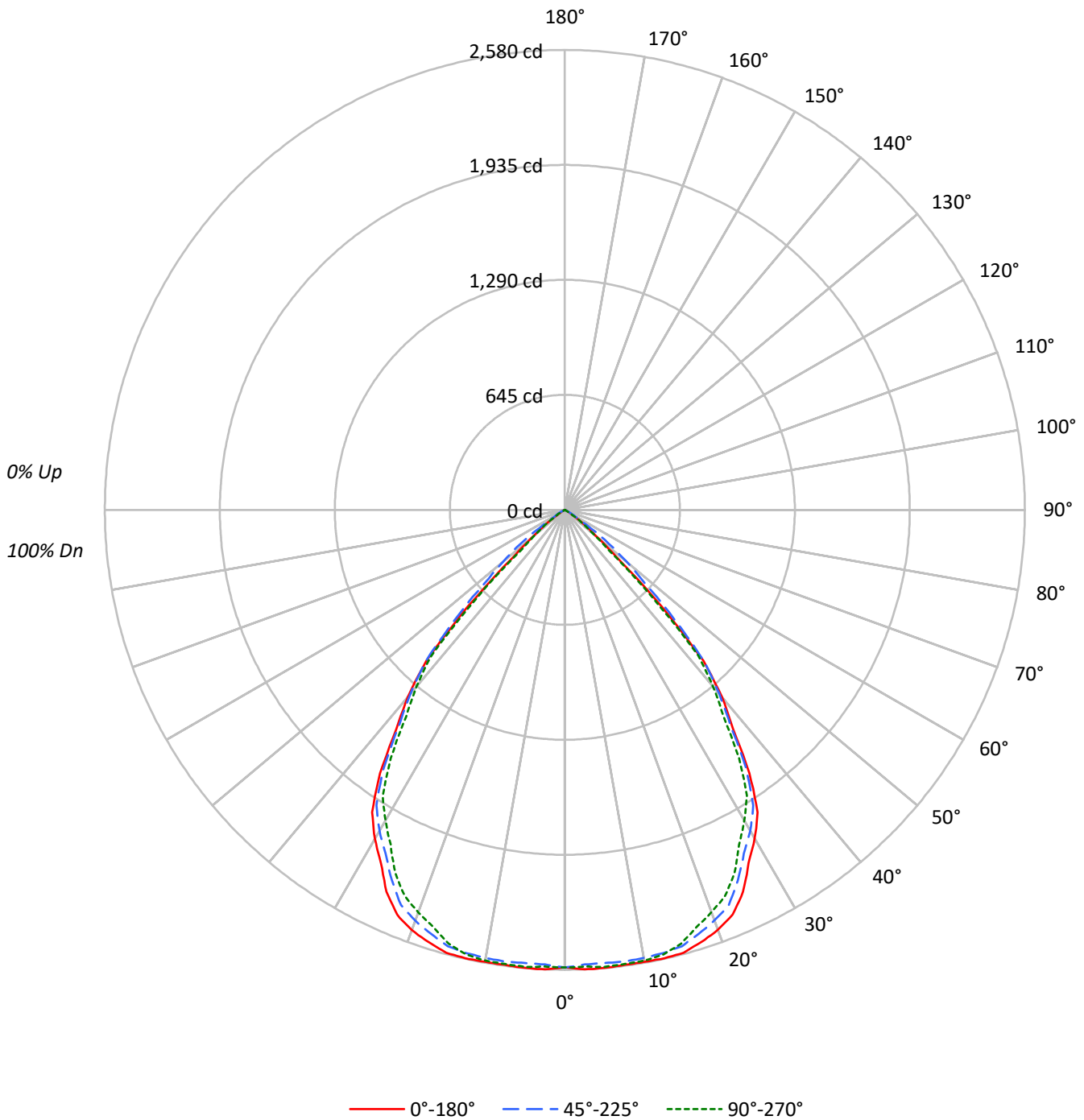
Lumens per Lamp: N/A
Luminaire Lumens: 3840.4 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 38.1
Input Voltage (V): 120
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	89		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	71	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	59	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	50		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	46	43	41

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	41446	41446	41446
5°	41807	41355	41699
10°	42212	41833	42102
15°	42989	42362	42104
20°	43099	42141	41282
25°	42134	40882	40077
30°	39718	38768	37530
35°	35583	34958	33555
40°	28867	28380	27265
45°	17568	19920	15769
50°	5604	11258	5122
55°	1948	4087	2004
60°	155	1179	32
65°	0	73	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°	245.3	6.4
10°-20°	717.4	18.7
20°-30°	1057.4	27.5
30°-40°	1082.9	28.2
40°-50°	624.0	16.2
50°-60°	109.3	2.8
60°-70°	4.2	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°	2020.1	52.6
0°-40°	3103.0	80.8
0°-60°	3836.3	99.9
0°-90°	3840.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3840.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2567	2567	2567	2567	2567	
5°	2580	2574	2552	2582	2573	246
15°	2572	2592	2534	2534	2519	724
25°	2365	2383	2295	2274	2250	1079
35°	1805	1795	1774	1731	1702	1108
45°	769	861	872	829	691	589
55°	69	83	145	79	71	77
65°	0	1	2	1	0	1
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°	2567.0	2567.0	2567.0	2567.0	2567.0
2.5°	2580.1	2573.3	2553.2	2573.8	2564.7
5°	2579.5	2573.9	2551.6	2582.2	2572.8
7.5°	2574.7	2573.4	2556.3	2580.3	2569.5
10°	2574.7	2579.4	2551.6	2576.5	2568.0
12.5°	2576.3	2587.0	2547.0	2566.4	2554.1
15°	2571.8	2592.5	2534.3	2534.0	2518.9
17.5°	2543.0	2567.4	2494.1	2474.2	2454.1
20°	2508.4	2536.6	2452.6	2424.2	2402.6
22.5°	2458.4	2485.8	2400.3	2368.0	2346.4
25°	2365.1	2382.9	2294.8	2274.1	2249.6
27.5°	2232.7	2243.2	2174.8	2138.9	2116.9
30°	2130.4	2137.9	2079.4	2040.3	2013.0
32.5°	2011.9	2008.9	1966.3	1926.5	1900.7
35°	1805.3	1794.9	1773.6	1730.6	1702.4
37.5°	1551.2	1549.3	1528.1	1490.9	1461.4
40°	1369.6	1367.7	1346.5	1313.4	1293.6
42.5°	1149.5	1185.3	1160.3	1119.6	1107.4
45°	769.4	860.7	872.4	828.8	690.6
47.5°	397.0	518.9	607.5	473.2	327.8
50°	223.1	313.4	448.2	253.7	203.9
52.5°	145.4	189.1	312.8	162.0	137.0
55°	69.2	83.4	145.2	78.7	71.2
57.5°	24.8	38.4	63.5	38.9	24.0
60°	4.8	16.1	36.5	11.3	1.0
62.5°	1.7	4.7	21.2	3.0	1.0
65°	0.0	0.9	1.9	0.9	0.0
67.5°	0.0	0.8	0.8	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)