

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: P559655

Luminaire Tested: **DL2-BB-M-0U-100D-935-UNV-STD-W-4**

Issue Date: 3/5/2020

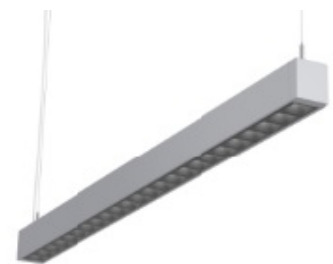
Test Information

Test Method: LM-79-08
Report Number: P559655
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-935-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT
DIRECT ONLY
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

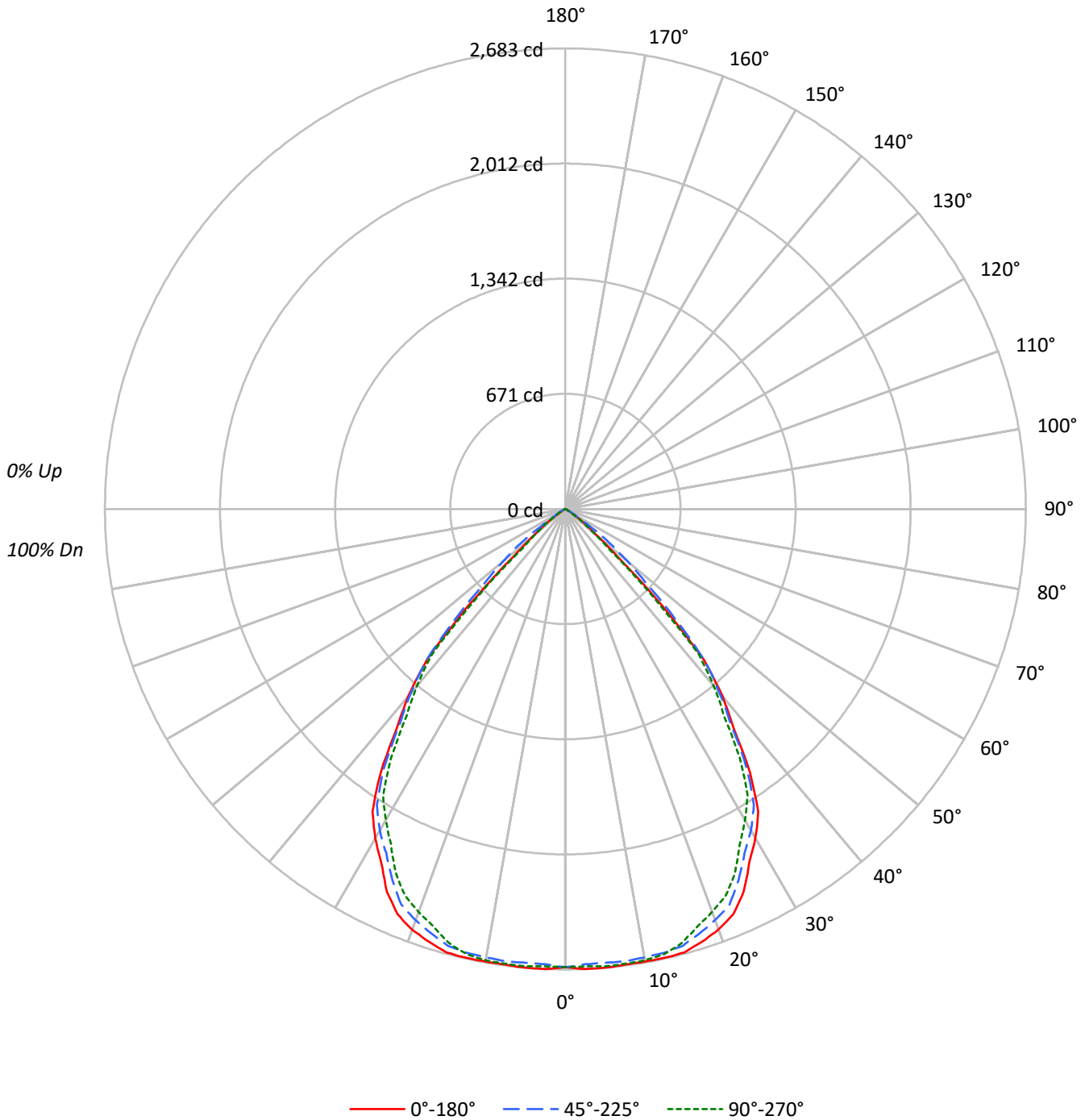
Lumens per Lamp: N/A
Luminaire Lumens: 3993.0 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

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°	43093	43093	43093
5°	43469	42999	43355
10°	43889	43496	43774
15°	44697	44045	43778
20°	44811	43814	42921
25°	43807	42507	41669
30°	41296	40307	39021
35°	36996	36346	34887
40°	30014	29508	28348
45°	18267	20710	16395
50°	5827	11705	5325
55°	2027	4251	2083
60°	161	1227	32
65°	0	76	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°	255.1	6.4
10°-20°	745.9	18.7
20°-30°	1099.4	27.5
30°-40°	1125.9	28.2
40°-50°	648.8	16.2
50°-60°	113.6	2.8
60°-70°	4.4	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°	2100.4	52.6
0°-40°	3226.2	80.8
0°-60°	3988.6	99.9
0°-90°	3993.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3993.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2669	2669	2669	2669	2669	
5°	2682	2676	2653	2685	2675	256
15°	2674	2696	2635	2635	2619	753
25°	2459	2478	2386	2364	2339	1122
35°	1877	1866	1844	1799	1770	1152
45°	800	895	907	862	718	612
55°	72	87	151	82	74	80
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°	2669.0	2669.0	2669.0	2669.0	2669.0
2.5°	2682.6	2675.6	2654.6	2676.0	2666.6
5°	2682.0	2676.1	2653.0	2684.8	2675.0
7.5°	2677.0	2675.6	2657.8	2682.7	2671.6
10°	2677.0	2681.9	2653.0	2678.8	2670.0
12.5°	2678.6	2689.7	2648.2	2668.3	2655.6
15°	2674.0	2695.5	2635.0	2634.6	2619.0
17.5°	2644.0	2669.4	2593.2	2572.5	2551.6
20°	2608.0	2637.3	2550.0	2520.5	2498.0
22.5°	2556.0	2584.6	2495.6	2462.1	2439.6
25°	2459.0	2477.6	2386.0	2364.4	2339.0
27.5°	2321.4	2332.4	2261.2	2223.9	2201.0
30°	2215.0	2222.8	2162.0	2121.4	2093.0
32.5°	2091.8	2088.7	2044.4	2003.0	1976.2
35°	1877.0	1866.2	1844.0	1799.3	1770.0
37.5°	1612.8	1610.8	1588.8	1550.1	1519.4
40°	1424.0	1422.0	1400.0	1365.5	1345.0
42.5°	1195.2	1232.4	1206.4	1164.1	1151.4
45°	800.0	894.8	907.0	861.7	718.0
47.5°	412.8	539.5	631.6	492.0	340.8
50°	232.0	325.9	466.0	263.8	212.0
52.5°	151.2	196.6	325.2	168.4	142.4
55°	72.0	86.7	151.0	81.8	74.0
57.5°	25.8	39.9	66.0	40.4	25.0
60°	5.0	16.7	38.0	11.8	1.0
62.5°	1.8	4.9	22.0	3.2	1.0
65°	0.0	1.0	2.0	1.0	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)