

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: P559656

Luminaire Tested: **DL2-BB-M-0U-100D-940-UNV-STD-W-4**

Issue Date: 3/5/2020

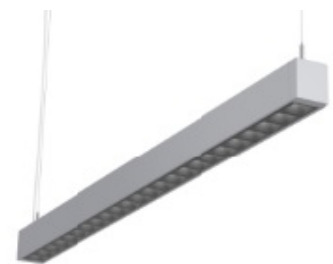
Test Information

Test Method: LM-79-08
Report Number: P559656
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-940-UNV-STD-W-4
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT
DIRECT ONLY
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

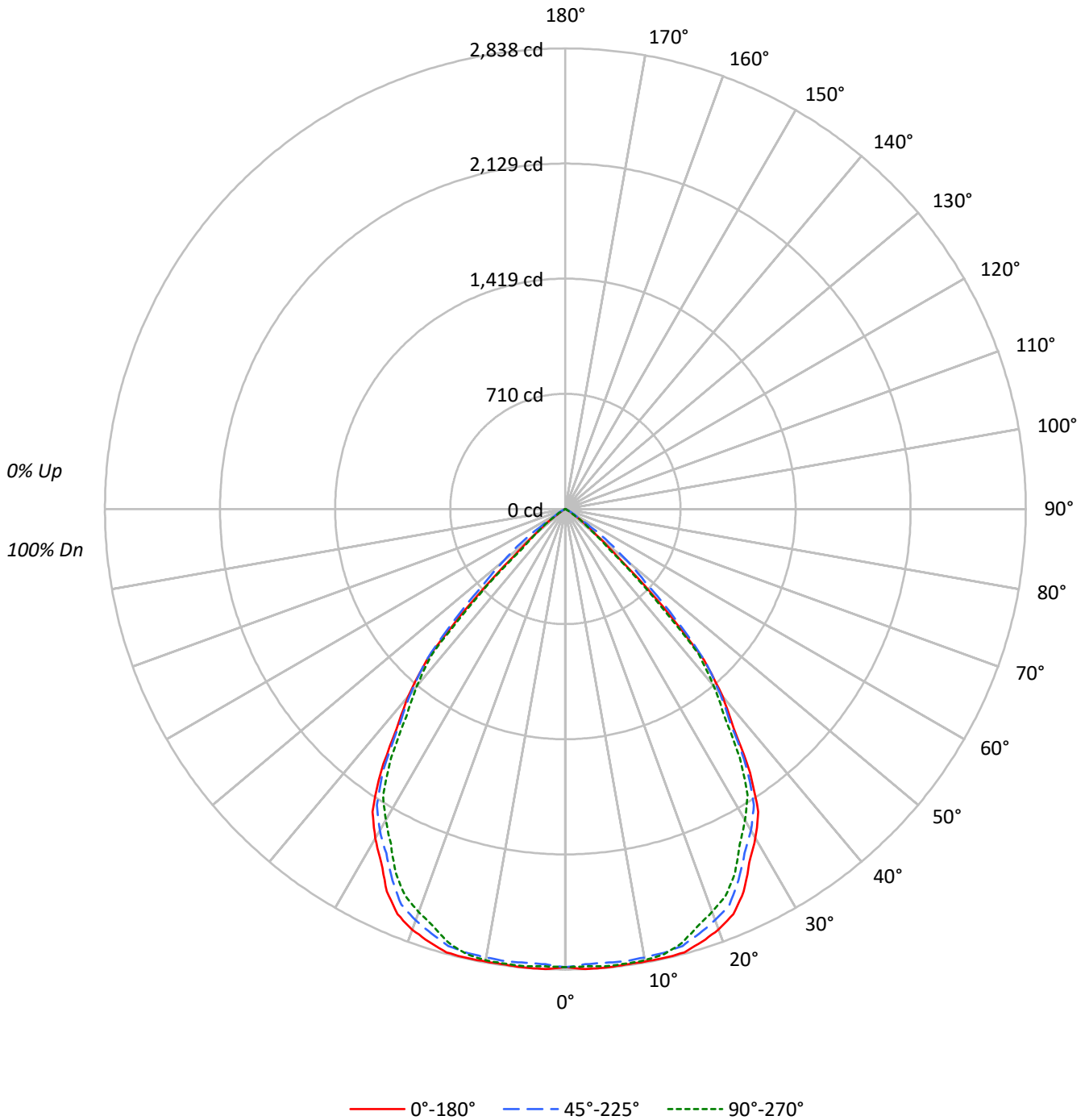
Lumens per Lamp: N/A
Luminaire Lumens: 4223.6 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

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°	45583	45583	45583
5°	45979	45483	45859
10°	46424	46009	46303
15°	47280	46589	46307
20°	47400	46345	45400
25°	46337	44961	44076
30°	43682	42636	41275
35°	39133	38445	36902
40°	31748	31213	29986
45°	19322	21907	17342
50°	6164	12381	5632
55°	2145	4495	2204
60°	171	1298	36
65°	0	80	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°	269.8	6.4
10°-20°	789.0	18.7
20°-30°	1162.9	27.5
30°-40°	1190.9	28.2
40°-50°	686.2	16.2
50°-60°	120.2	2.8
60°-70°	4.6	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°	2221.7	52.6
0°-40°	3412.6	80.8
0°-60°	4219.0	99.9
0°-90°	4223.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4223.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2823	2823	2823	2823	2823	
5°	2837	2831	2806	2840	2830	270
15°	2828	2851	2787	2787	2770	796
25°	2601	2621	2524	2501	2474	1187
35°	1985	1974	1950	1903	1872	1218
45°	846	946	959	912	760	648
55°	76	92	160	86	78	85
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°	2823.2	2823.2	2823.2	2823.2	2823.2
2.5°	2837.6	2830.1	2807.9	2830.6	2820.6
5°	2836.9	2830.7	2806.3	2839.9	2829.5
7.5°	2831.6	2830.2	2811.3	2837.7	2825.9
10°	2831.6	2836.8	2806.3	2833.5	2824.2
12.5°	2833.3	2845.1	2801.2	2822.5	2809.0
15°	2828.5	2851.2	2787.2	2786.8	2770.3
17.5°	2796.7	2823.6	2743.0	2721.1	2699.0
20°	2758.7	2789.7	2697.3	2666.1	2642.3
22.5°	2703.7	2733.9	2639.8	2604.3	2580.5
25°	2601.0	2620.7	2523.8	2501.0	2474.1
27.5°	2455.5	2467.1	2391.8	2352.3	2328.1
30°	2343.0	2351.2	2286.9	2243.9	2213.9
32.5°	2212.6	2209.3	2162.5	2118.7	2090.4
35°	1985.4	1974.1	1950.5	1903.3	1872.2
37.5°	1706.0	1703.9	1680.6	1639.6	1607.2
40°	1506.3	1504.2	1480.9	1444.4	1422.7
42.5°	1264.2	1303.5	1276.1	1231.4	1217.9
45°	846.2	946.5	959.4	911.5	759.5
47.5°	436.6	570.7	668.1	520.4	360.5
50°	245.4	344.7	492.9	279.1	224.2
52.5°	159.9	207.9	344.0	178.1	150.6
55°	76.2	91.7	159.7	86.5	78.3
57.5°	27.3	42.2	69.8	42.8	26.4
60°	5.3	17.7	40.2	12.4	1.1
62.5°	1.9	5.2	23.3	3.3	1.1
65°	0.0	1.0	2.1	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)