

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: P559739

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

Issue Date: 3/5/2020

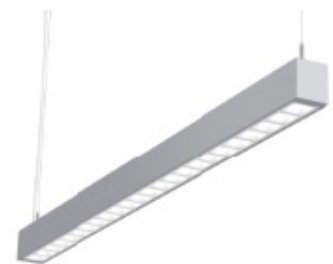
Test Information

Test Method: LM-79-08
Report Number: P559739
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DL2-WB-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

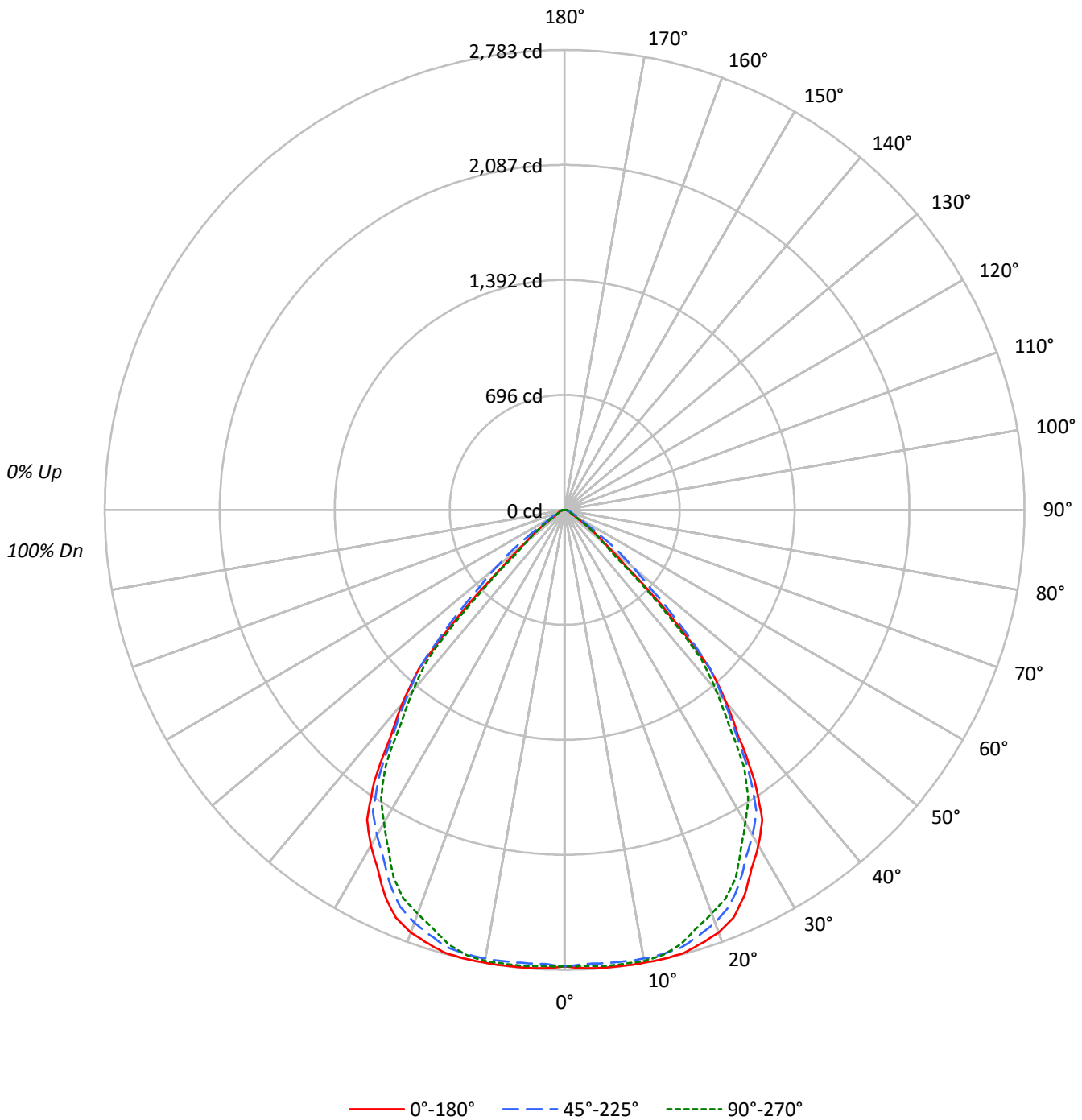
Lumens per Lamp: N/A
Luminaire Lumens: 4360.4 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P559739
CATALOG NUMBER: DL2-WB-M-0U-100D-935-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P559739

CATALOG NUMBER: DL2-WB-M-OU-100D-935-UNV-STD-W-4

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	84	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	64	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	60	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°	44611	44611	44611
5°	45089	44619	44911
10°	45611	45201	45447
15°	46419	45817	45466
20°	46770	45687	44673
25°	45874	44537	43682
30°	43719	42396	40774
35°	39559	38416	37213
40°	32121	31468	30077
45°	20573	22856	18495
50°	8063	13539	7259
55°	3800	6193	3800
60°	1808	3003	1647
65°	1643	1719	1528
70°	1558	1605	1463
75°	1560	1560	1435
80°	1488	1488	1395
85°	1297	1297	1297



TEST NUMBER: P559739

CATALOG NUMBER: DL2-WB-M-OU-100D-935-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.7	6.1
10°-20°	775.6	17.8
20°-30°	1151.1	26.4
30°-40°	1195.7	27.4
40°-50°	719.5	16.5
50°-60°	172.5	4.0
60°-70°	46.8	1.1
70°-80°	26.3	0.6
80°-90°	8.2	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°	2191.4	50.3
0°-40°	3387.1	77.7
0°-60°	4279.2	98.1
0°-90°	4360.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4360.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2763	2763	2763	2763	2763	
5°	2782	2775	2753	2782	2771	265
15°	2777	2797	2741	2740	2720	783
25°	2575	2593	2500	2467	2452	1178
35°	2007	1988	1949	1910	1888	1229
45°	901	1008	1001	953	810	688
55°	135	153	220	147	135	139
65°	43	44	45	43	40	43
75°	25	26	25	24	23	26
85°	7	8	7	7	7	8
90°	0	0	0	0	0	



TEST NUMBER: P559739

CATALOG NUMBER: DL2-WB-M-OU-100D-935-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2763.0	2763.0	2763.0	2763.0	2763.0
2.5°	2776.6	2770.3	2750.2	2772.4	2763.0
5°	2782.0	2775.2	2753.0	2781.8	2771.0
7.5°	2782.8	2783.2	2757.0	2782.3	2770.4
10°	2782.0	2787.9	2757.0	2780.8	2772.0
12.5°	2782.8	2792.6	2753.8	2771.1	2757.6
15°	2777.0	2796.6	2741.0	2739.6	2720.0
17.5°	2751.6	2775.9	2700.6	2677.5	2654.4
20°	2722.0	2745.5	2659.0	2625.4	2600.0
22.5°	2670.8	2695.1	2599.8	2564.0	2545.6
25°	2575.0	2592.6	2500.0	2466.7	2452.0
27.5°	2449.0	2454.7	2374.0	2335.2	2310.2
30°	2345.0	2349.9	2274.0	2230.0	2187.0
32.5°	2225.8	2217.4	2159.6	2111.6	2067.0
35°	2007.0	1988.4	1949.0	1909.5	1888.0
37.5°	1729.6	1724.9	1696.2	1648.8	1623.0
40°	1524.0	1539.6	1493.0	1458.3	1427.0
42.5°	1304.0	1342.3	1301.8	1252.8	1226.2
45°	901.0	1007.6	1001.0	952.8	810.0
47.5°	501.0	635.2	715.8	561.5	415.4
50°	321.0	412.9	539.0	338.9	289.0
52.5°	225.0	275.5	398.2	240.2	213.0
55°	135.0	152.6	220.0	146.7	135.0
57.5°	81.6	98.6	125.0	98.4	79.8
60°	56.0	70.7	93.0	65.7	51.0
62.5°	48.8	54.1	72.2	51.5	46.2
65°	43.0	44.0	45.0	42.9	40.0
67.5°	37.0	39.0	38.0	37.2	35.0
70°	33.0	35.0	34.0	33.9	31.0
72.5°	29.8	31.8	30.8	30.0	27.8
75°	25.0	26.0	25.0	24.0	23.0
77.5°	19.2	20.2	20.0	19.2	18.2
80°	16.0	17.0	16.0	16.0	15.0
82.5°	12.8	13.0	12.8	12.0	11.8
85°	7.0	8.0	7.0	7.0	7.0
87.5°	2.4	2.4	2.4	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)