

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: P559775

Luminaire Tested: **DL2-WB-M-150U-100D-935-UNV-STD-W-4**

Issue Date: 3/5/2020

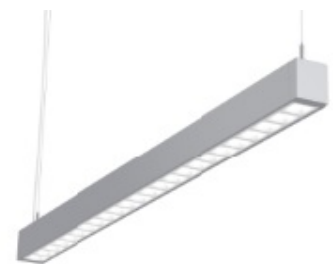
**Test Information**

Test Method: LM-79-08  
Report Number: P559775  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-14, 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-150U-100D-935-UNV-STD-W-4  
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT 1500 LUMENS PER FOOT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

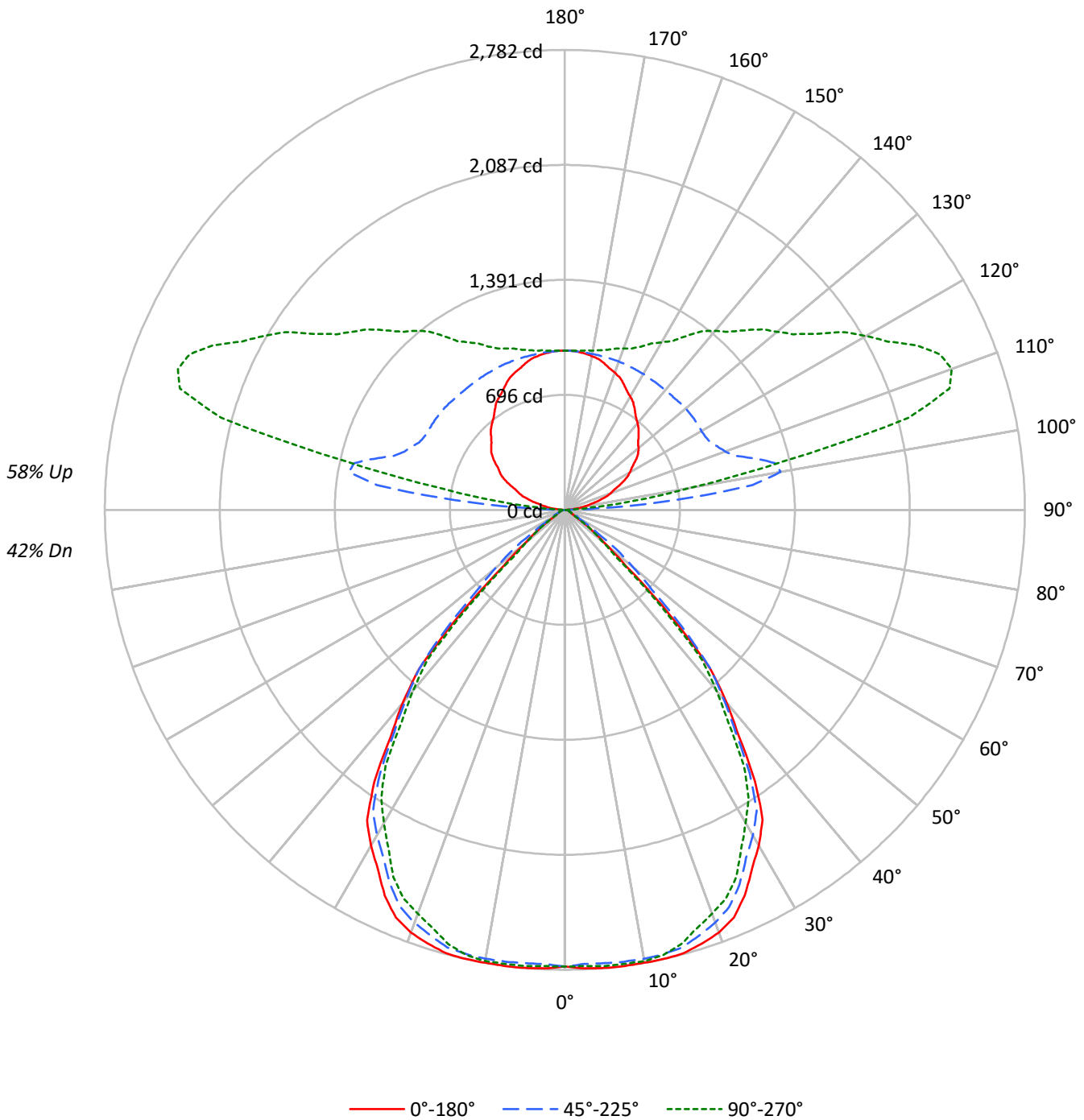
Lumens per Lamp: N/A  
Luminaire Lumens: 10306.6 lumens  
Efficiency: N/A  
Efficacy: 108.8 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 94.7  
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: P559775  
CATALOG NUMBER: DL2-WB-M-150U-100D-935-UNV-STD-W-4

### Luminous Intensity Polar Plot





TEST NUMBER: P559775

CATALOG NUMBER: DL2-WB-M-150U-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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	98	94	91	88	89	86	83	81	71	70	68	58	57	56	46	45	44	39
2	90	84	79	74	82	77	73	69	65	61	59	53	51	49	42	41	40	35
3	83	75	69	64	76	69	64	60	58	55	51	48	46	43	39	37	36	32
4	77	68	61	55	71	63	57	52	53	49	45	44	41	39	36	34	32	29
5	71	61	54	49	65	57	50	46	48	44	40	40	37	35	33	31	29	26
6	66	55	48	43	61	52	45	41	44	39	36	37	34	31	31	28	27	24
7	62	51	43	38	57	47	41	36	40	36	32	34	31	28	28	26	24	22
8	57	46	39	34	53	43	37	33	37	32	29	32	28	26	26	24	22	20
9	54	42	36	31	49	40	34	29	34	30	26	29	26	23	25	22	20	18
10	50	39	32	28	46	37	31	27	32	27	24	27	24	21	23	21	19	17

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	44603	44603	44603
5°	45081	44611	44903
10°	45602	45193	45439
15°	46410	45809	45458
20°	46761	45678	44665
25°	45865	44530	43675
30°	43712	42388	40766
35°	39551	38410	37207
40°	32115	31461	30070
45°	20569	22852	18493
50°	8061	13536	7257
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: P559775

CATALOG NUMBER: DL2-WB-M-150U-100D-935-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	264.6	2.6
10°-20°	775.5	7.5
20°-30°	1150.9	11.2
30°-40°	1195.5	11.6
40°-50°	719.4	7.0
50°-60°	172.5	1.7
60°-70°	46.8	0.5
70°-80°	26.2	0.3
80°-90°	9.3	0.1
90°-100°	367.1	3.6
100°-110°	1201.9	11.7
110°-120°	1188.3	11.5
120°-130°	971.3	9.4
130°-140°	792.7	7.7
140°-150°	616.9	6.0
150°-160°	444.2	4.3
160°-170°	271.7	2.6
170°-180°	91.8	0.9
0°-30°	2191.0	21.3
0°-40°	3386.5	32.9
0°-60°	4278.4	41.5
0°-90°	4360.7	42.3
90°-120°	2757.3	26.8
90°-150°	5138.2	49.9
90°-180°	5946.0	57.7
0°-180°	10306.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2762	2762	2762	2762	2762	
5°	2782	2775	2752	2781	2770	265
15°	2776	2796	2740	2739	2720	783
25°	2574	2592	2500	2466	2452	1178
35°	2007	1988	1949	1909	1888	1229
45°	901	1007	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°	1	3	8	7	8	3
95°	52	149	667	238	154	58
105°	209	298	1193	2267	2153	220
115°	376	450	969	2003	2351	372
125°	524	584	955	1580	1855	466
135°	631	698	948	1362	1536	488
145°	738	792	946	1172	1284	462
155°	841	869	952	1048	1089	387
165°	918	926	955	992	1003	259
175°	959	959	960	967	965	91
180°	963	963	963	963	963	



TEST NUMBER: P559775

CATALOG NUMBER: DL2-WB-M-150U-100D-935-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2762.5	2762.5	2762.5	2762.5	2762.5
2.5°	2776.1	2769.8	2749.7	2771.9	2762.5
5°	2781.5	2774.7	2752.5	2781.3	2770.5
7.5°	2782.3	2782.7	2756.5	2781.8	2769.9
10°	2781.5	2787.4	2756.5	2780.3	2771.5
12.5°	2782.3	2792.1	2753.3	2770.6	2757.1
15°	2776.5	2796.1	2740.5	2739.1	2719.5
17.5°	2751.1	2775.4	2700.1	2677.0	2653.9
20°	2721.5	2745.0	2658.5	2625.0	2599.5
22.5°	2670.3	2694.6	2599.3	2563.5	2545.1
25°	2574.5	2592.1	2499.6	2466.2	2451.6
27.5°	2448.6	2454.2	2373.6	2334.8	2309.8
30°	2344.6	2349.5	2273.6	2229.6	2186.6
32.5°	2225.4	2217.0	2159.2	2111.2	2066.6
35°	2006.6	1988.1	1948.7	1909.2	1887.7
37.5°	1729.3	1724.6	1695.9	1648.5	1622.7
40°	1523.7	1539.4	1492.7	1458.0	1426.7
42.5°	1303.8	1342.1	1301.6	1252.6	1226.0
45°	900.8	1007.4	1000.8	952.6	809.9
47.5°	500.9	635.0	715.7	561.4	415.3
50°	320.9	412.8	538.9	338.8	288.9
52.5°	225.0	275.4	398.1	240.1	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	38.9	38.0	37.1	35.0
70°	33.0	34.9	34.0	33.9	31.0
72.5°	29.8	31.7	30.8	29.9	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°	2.6	3.0	4.0	3.8	4.0
90°	1.0	2.9	7.9	7.0	7.9
92.5°	16.8	61.4	188.5	61.3	49.1
95°	51.5	149.3	667.3	237.7	154.5
97.5°	93.5	196.9	1144.9	692.6	429.3
100°	122.8	221.5	1324.7	1183.0	784.1
102.5°	156.0	252.5	1304.9	1743.1	1351.3
105°	208.9	298.0	1193.0	2266.7	2153.4
107.5°	261.0	342.7	1083.9	2315.6	2440.1
110°	295.0	374.4	1031.7	2258.7	2490.0

TEST NUMBER: P559775

CATALOG NUMBER: DL2-WB-M-150U-100D-935-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	327.5	404.6	1000.0	2159.5	2456.0
115°	376.2	449.8	969.3	2002.9	2351.4
117.5°	423.6	492.3	957.6	1849.0	2202.9
120°	454.4	519.3	954.4	1759.3	2103.9
122.5°	482.2	545.5	954.4	1681.9	2001.7
125°	523.7	583.8	955.4	1579.5	1855.4
127.5°	559.0	620.2	954.2	1504.0	1744.1
130°	581.2	643.1	953.4	1458.4	1675.2
132.5°	601.0	664.5	951.1	1419.1	1615.8
135°	630.7	697.5	947.5	1362.3	1535.6
137.5°	662.0	728.2	945.3	1303.1	1459.8
140°	684.1	748.0	944.5	1265.7	1413.8
142.5°	706.3	766.3	944.5	1225.8	1360.0
145°	737.6	791.8	945.5	1171.8	1284.1
147.5°	770.5	815.6	946.9	1124.9	1209.7
150°	791.1	830.8	948.5	1097.6	1169.3
152.5°	811.7	846.7	949.3	1075.2	1134.4
155°	840.6	868.6	951.5	1048.4	1089.1
157.5°	866.5	886.8	953.6	1027.4	1056.8
160°	883.1	899.6	954.4	1015.4	1038.6
162.5°	897.4	910.8	954.4	1005.7	1022.7
165°	917.8	926.5	955.4	992.3	1002.9
167.5°	935.0	939.3	956.6	981.9	987.7
170°	944.5	946.5	957.4	976.3	978.2
172.5°	951.7	952.8	959.8	972.3	972.6
175°	959.4	959.4	960.4	967.3	965.3
177.5°	963.3	962.6	961.8	966.4	963.3
180°	963.3	963.3	963.3	963.3	963.3

(END OF REPORT)