

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: P559735

Luminaire Tested: **DL2-WB-M-0U-075D-930-UNV-STD-W-4**

Issue Date: 3/5/2020

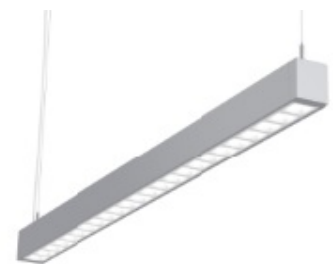
**Test Information**

Test Method: LM-79-08  
Report Number: P559735  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/5/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DL2-WB-M-0U-075D-930-UNV-STD-W-4  
Description: CORELITE DL2 SUSPENDED LED LUMINAIRE  
DOWNLIGHT 750 LUMENS PER FOOT  
DIRECT ONLY  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

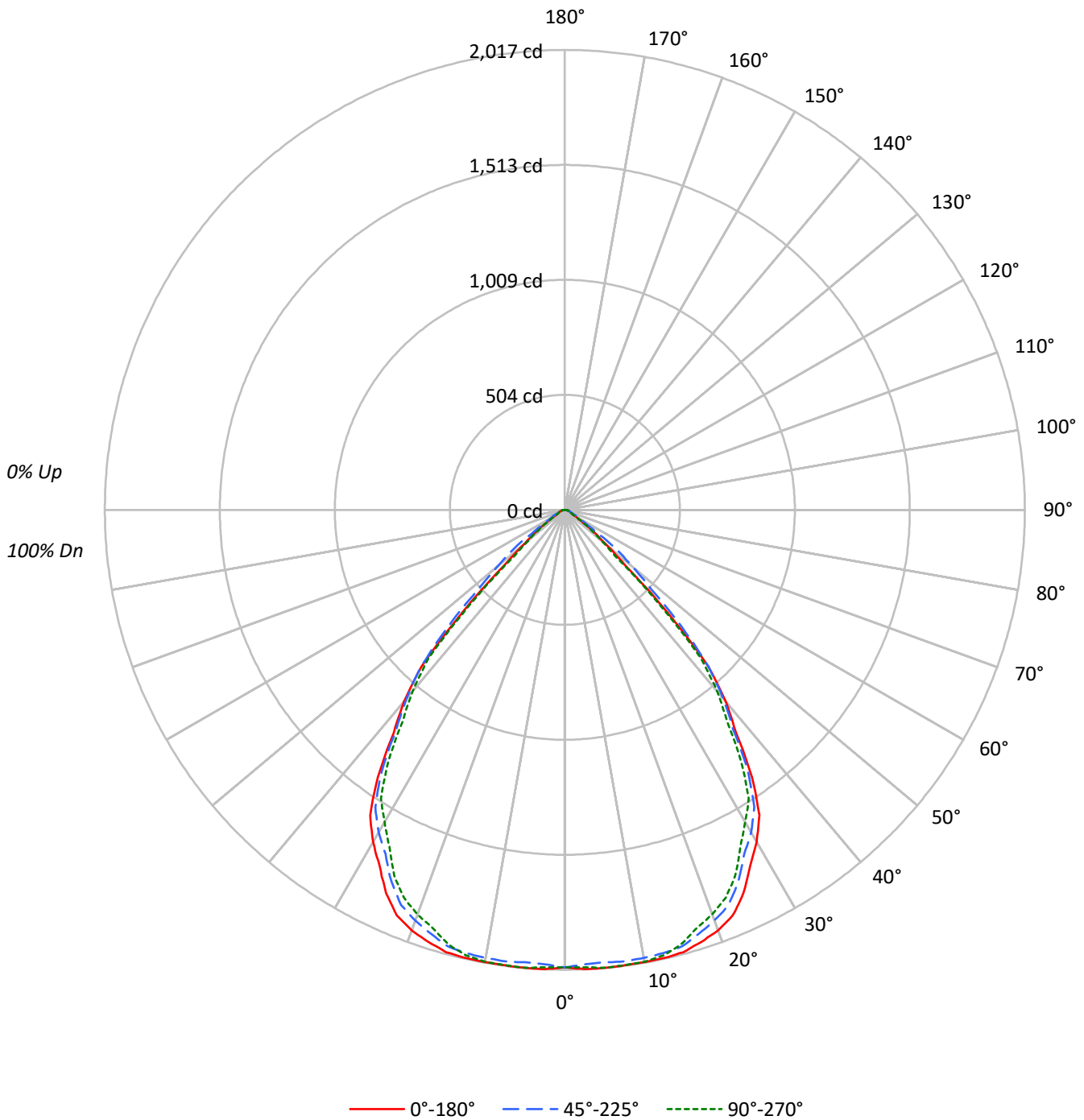
Lumens per Lamp: N/A  
Luminaire Lumens: 3138.3 lumens  
Efficiency: N/A  
Efficacy: 113.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.6  
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	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	85	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	79	74	70	77	73	70	68				
5	87	77	70	65	85	76	70	65	74	69	65	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	61	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°	32393	32393	32393
5°	32689	32284	32673
10°	33019	32705	33003
15°	33568	33135	32973
20°	33728	32936	32440
25°	33034	32058	31527
30°	31344	30447	29479
35°	28190	27602	26597
40°	23111	22765	21893
45°	14451	16449	13572
50°	5654	9590	5169
55°	2790	4467	2761
60°	1305	2144	1179
65°	1177	1249	1104
70°	1133	1180	1090
75°	1142	1142	1023
80°	1069	1069	986
85°	1074	889	889



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.8	6.1
10°-20°	560.9	17.9
20°-30°	829.3	26.4
30°-40°	858.1	27.3
40°-50°	516.1	16.4
50°-60°	123.5	3.9
60°-70°	33.8	1.1
70°-80°	18.9	0.6
80°-90°	5.9	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°	1582.0	50.4
0°-40°	2440.1	77.8
0°-60°	3079.8	98.1
0°-90°	3138.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3138.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2006	2006	2006	2006	2006	
5°	2017	2010	1992	2019	2016	192
15°	2008	2023	1982	1982	1973	566
25°	1854	1869	1800	1780	1770	848
35°	1430	1428	1400	1368	1349	878
45°	633	718	720	685	594	489
55°	99	111	159	106	98	99
65°	31	32	33	31	29	31
75°	18	18	18	17	16	19
85°	6	6	5	5	5	6
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2006.3	2006.3	2006.3	2006.3	2006.3
2.5°	2016.3	2011.0	1994.8	2011.6	2007.9
5°	2016.9	2010.3	1991.9	2018.8	2015.9
7.5°	2014.8	2012.0	1997.8	2018.1	2013.8
10°	2014.0	2014.9	1994.8	2015.9	2013.0
12.5°	2013.2	2020.9	1991.7	2008.1	2001.5
15°	2008.2	2023.3	1982.3	1982.1	1972.6
17.5°	1986.9	2004.8	1950.0	1934.9	1923.4
20°	1963.0	1980.9	1916.9	1892.7	1888.0
22.5°	1925.3	1944.7	1876.1	1849.6	1841.8
25°	1854.3	1869.4	1799.5	1780.1	1769.7
27.5°	1759.7	1768.0	1702.4	1680.1	1665.8
30°	1681.2	1685.0	1633.1	1603.8	1581.2
32.5°	1588.1	1591.9	1546.2	1518.5	1500.4
35°	1430.2	1428.3	1400.4	1368.2	1349.4
37.5°	1232.6	1235.3	1213.2	1187.8	1168.8
40°	1096.5	1098.3	1080.1	1043.4	1038.7
42.5°	930.3	958.5	933.9	905.3	883.3
45°	632.9	718.4	720.4	684.7	594.4
47.5°	357.4	454.8	511.1	408.6	298.9
50°	225.1	290.9	381.8	242.5	205.8
52.5°	159.7	193.1	288.0	170.6	151.2
55°	99.1	111.3	158.7	105.6	98.1
57.5°	58.9	71.5	90.2	71.5	59.6
60°	40.4	50.7	66.4	46.9	36.5
62.5°	35.0	39.3	52.5	37.0	33.5
65°	30.8	31.7	32.7	30.7	28.9
67.5°	27.1	28.1	27.3	27.1	25.4
70°	24.0	25.0	25.0	24.0	23.1
72.5°	21.7	22.7	21.9	21.7	20.0
75°	18.3	18.3	18.3	17.3	16.4
77.5°	13.8	14.8	13.8	13.8	12.9
80°	11.5	12.5	11.5	11.5	10.6
82.5°	9.2	9.4	9.2	9.2	8.3
85°	5.8	5.8	4.8	4.8	4.8
87.5°	1.5	2.3	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)