

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: P559651

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

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-08
Report Number: P559651
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DL2-BB-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

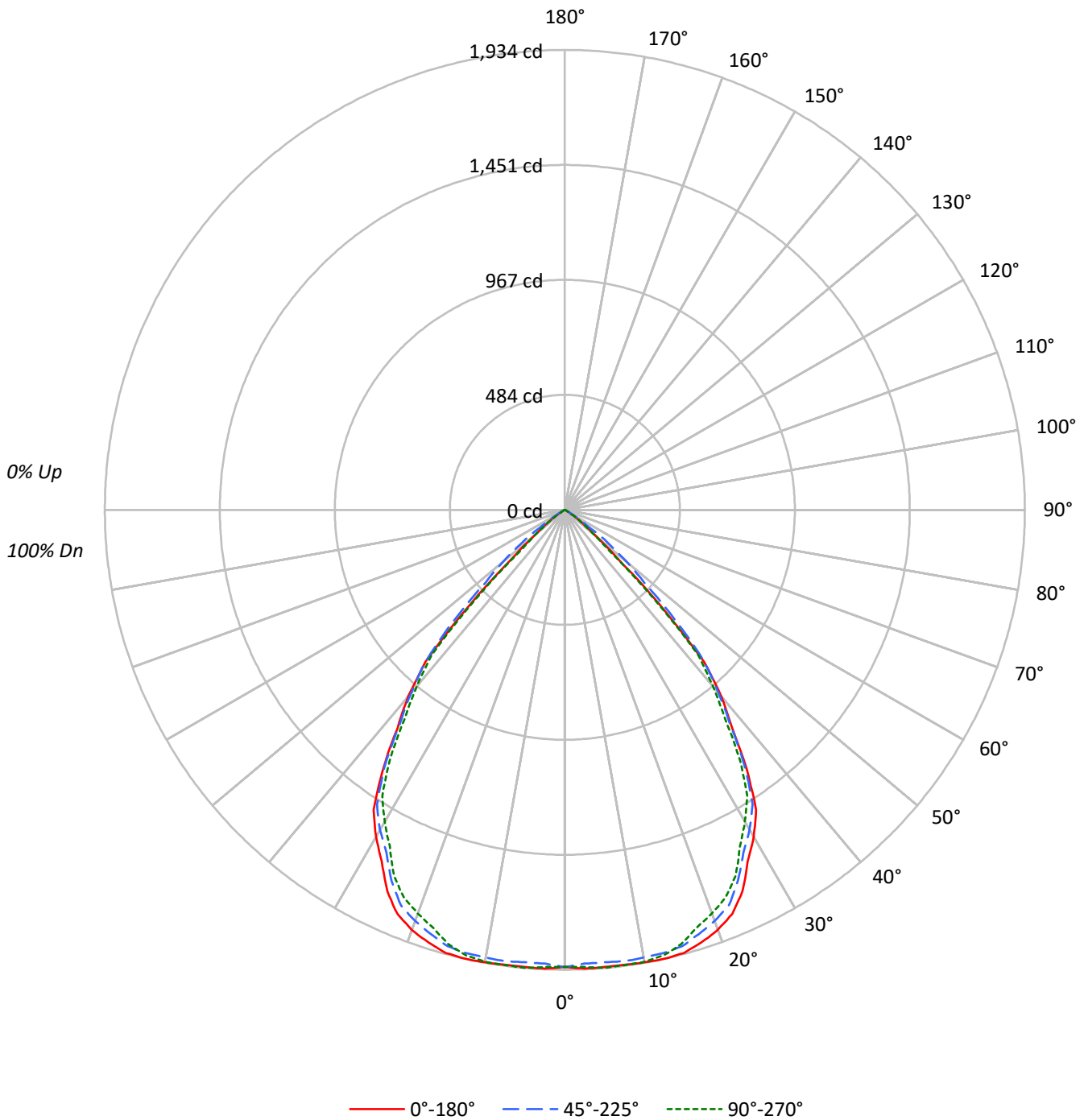
Lumens per Lamp: N/A
Luminaire Lumens: 2873.9 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	90	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	72	67	76	70	66	74	69	66	72	68	65	63
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58
7	78	67	61	56	76	67	60	56	65	60	55	64	59	55	63	58	55	53
8	73	63	56	51	72	62	55	51	61	55	51	60	54	51	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	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31042	31042	31042
5°	31285	30943	31332
10°	31678	31349	31632
15°	32251	31768	31607
20°	32292	31613	31036
25°	31493	30688	30259
30°	29604	28959	28225
35°	26276	26067	25288
40°	21549	21184	20394
45°	12849	15109	12056
50°	4011	8382	3793
55°	1517	2978	1517
60°	94	840	32
65°	0	38	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°	183.8	6.4
10°-20°	538.5	18.7
20°-30°	792.2	27.6
30°-40°	809.7	28.2
40°-50°	466.5	16.2
50°-60°	80.4	2.8
60°-70°	2.9	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°	1514.5	52.7
0°-40°	2324.2	80.9
0°-60°	2871.0	99.9
0°-90°	2873.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2873.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1923	1923	1923	1923	1923	
5°	1930	1926	1909	1935	1933	184
15°	1929	1945	1900	1903	1891	543
25°	1768	1784	1723	1705	1698	807
35°	1333	1343	1322	1297	1283	823
45°	563	646	662	625	528	435
55°	54	61	106	60	54	57
65°	0	0	1	0	0	0
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°	1922.6	1922.6	1922.6	1922.6	1922.6
2.5°	1931.1	1925.8	1910.3	1927.9	1924.2
5°	1930.3	1925.6	1909.2	1935.1	1933.2
7.5°	1929.2	1926.0	1914.4	1935.6	1930.9
10°	1932.2	1931.3	1912.1	1934.1	1929.4
12.5°	1933.8	1939.6	1909.7	1927.1	1918.6
15°	1929.4	1945.4	1900.5	1903.1	1890.9
17.5°	1907.8	1930.4	1870.7	1859.7	1842.4
20°	1879.4	1905.7	1839.9	1821.3	1806.3
22.5°	1839.3	1863.4	1800.7	1777.5	1765.5
25°	1767.8	1783.8	1722.6	1705.1	1698.5
27.5°	1666.4	1670.9	1624.9	1603.1	1594.7
30°	1587.9	1587.9	1553.3	1529.9	1513.9
32.5°	1496.4	1494.1	1469.4	1443.7	1427.7
35°	1333.1	1343.4	1322.5	1297.1	1283.0
37.5°	1156.3	1160.2	1144.3	1117.1	1105.3
40°	1022.4	1023.3	1005.1	985.4	967.6
42.5°	866.2	885.2	868.1	837.2	829.8
45°	562.7	646.3	661.7	624.9	528.0
47.5°	282.8	387.0	452.2	351.2	248.7
50°	159.7	221.7	333.7	185.8	151.0
52.5°	106.6	134.0	231.4	121.5	101.8
55°	53.9	61.4	105.8	59.5	53.9
57.5°	18.3	28.4	46.0	29.4	20.2
60°	2.9	12.3	26.0	9.4	1.0
62.5°	0.6	3.2	16.0	2.6	0.2
65°	0.0	0.0	1.0	0.0	0.0
67.5°	0.0	0.0	0.0	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)