

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P709915

Luminaire Tested: DL2R-BB-M-075D-930-UNV-STD-W-4

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-2019
Report Number: P709915
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
Product Line: CORELITE
Catalog Number: DL2R-BB-M-075D-930-UNV-STD-W-4
Description: CORELITE DISCREET DL2R RECESSED LED LUMINAIRE
DOWNLIGHT 750 LUMENS PER FOOT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

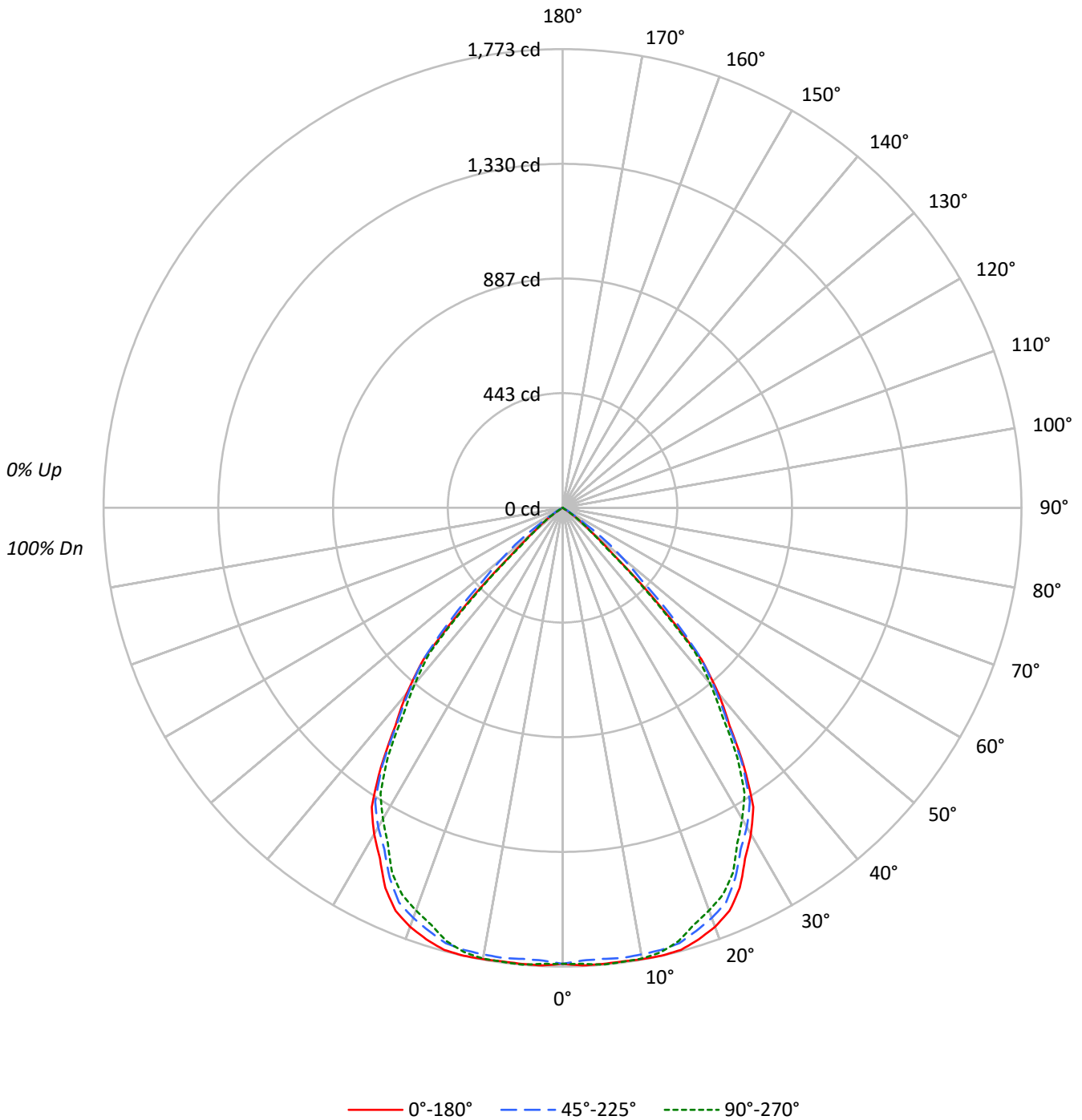
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2634.4 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): 25.3
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: P709915
CATALOG NUMBER: DL2R-BB-M-075D-930-UNV-STD-W-4

Luminous Intensity Polar Plot



TEST NUMBER: P709915

CATALOG NUMBER: DL2R-BB-M-075D-930-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	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°	28455	28455	28455
5°	28678	28365	28721
10°	29039	28737	28996
15°	29563	29120	28973
20°	29601	28979	28450
25°	28869	28130	27738
30°	27138	26547	25872
35°	24086	23895	23181
40°	19753	19418	18695
45°	11778	13851	11051
50°	3677	7684	3476
55°	1391	2730	1391
60°	87	769	29
65°	0	34	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 13851 cd/sqm

TEST NUMBER: P709915

CATALOG NUMBER: DL2R-BB-M-075D-930-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.5	6.4
10°-20°	493.6	18.7
20°-30°	726.2	27.6
30°-40°	742.2	28.2
40°-50°	427.6	16.2
50°-60°	73.7	2.8
60°-70°	2.7	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°	1388.3	52.7
0°-40°	2130.5	80.9
0°-60°	2631.8	99.9
0°-90°	2634.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2634.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1762	1762	1762	1762	1762	
5°	1769	1765	1750	1774	1772	169
15°	1769	1783	1742	1744	1733	498
25°	1620	1635	1579	1563	1557	739
35°	1222	1231	1212	1189	1176	755
45°	516	592	607	573	484	399
55°	49	56	97	54	49	52
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	

TEST NUMBER: P709915

CATALOG NUMBER: DL2R-BB-M-075D-930-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1762.4	1762.4	1762.4	1762.4	1762.4
2.5°	1770.2	1765.3	1751.1	1767.2	1763.8
5°	1769.4	1765.1	1750.1	1773.8	1772.1
7.5°	1768.4	1765.5	1754.9	1774.3	1770.0
10°	1771.2	1770.4	1752.8	1772.9	1768.6
12.5°	1772.6	1778.0	1750.6	1766.5	1758.7
15°	1768.6	1783.3	1742.1	1744.5	1733.3
17.5°	1748.8	1769.5	1714.8	1704.7	1688.9
20°	1722.8	1746.9	1686.6	1669.5	1655.8
22.5°	1686.0	1708.1	1650.6	1629.4	1618.4
25°	1620.5	1635.1	1579.0	1563.0	1557.0
27.5°	1527.5	1531.7	1489.5	1469.5	1461.8
30°	1455.6	1455.6	1423.9	1402.4	1387.7
32.5°	1371.7	1369.6	1347.0	1323.4	1308.7
35°	1222.0	1231.4	1212.3	1189.0	1176.1
37.5°	1059.9	1063.5	1048.9	1024.0	1013.2
40°	937.2	938.0	921.3	903.3	887.0
42.5°	794.0	811.4	795.8	767.4	760.6
45°	515.8	592.4	606.6	572.8	484.0
47.5°	259.2	354.8	414.5	321.9	228.0
50°	146.4	203.2	305.9	170.3	138.4
52.5°	97.7	122.8	212.1	111.4	93.3
55°	49.4	56.3	97.0	54.5	49.4
57.5°	16.8	26.0	42.2	27.0	18.5
60°	2.7	11.3	23.8	8.6	0.9
62.5°	0.5	2.9	14.7	2.4	0.2
65°	0.0	0.0	0.9	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)