

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: P709928

Luminaire Tested: DL2R-WB-M-075D-935-UNV-STD-W-4

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-2019
Report Number: P709928
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
Product Line: CORELITE
Catalog Number: DL2R-WB-M-075D-935-UNV-STD-W-4
Description: CORELITE DISCREET DL2R RECESSED LED LUMINAIRE
DOWNLIGHT 750 LUMENS PER FOOT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

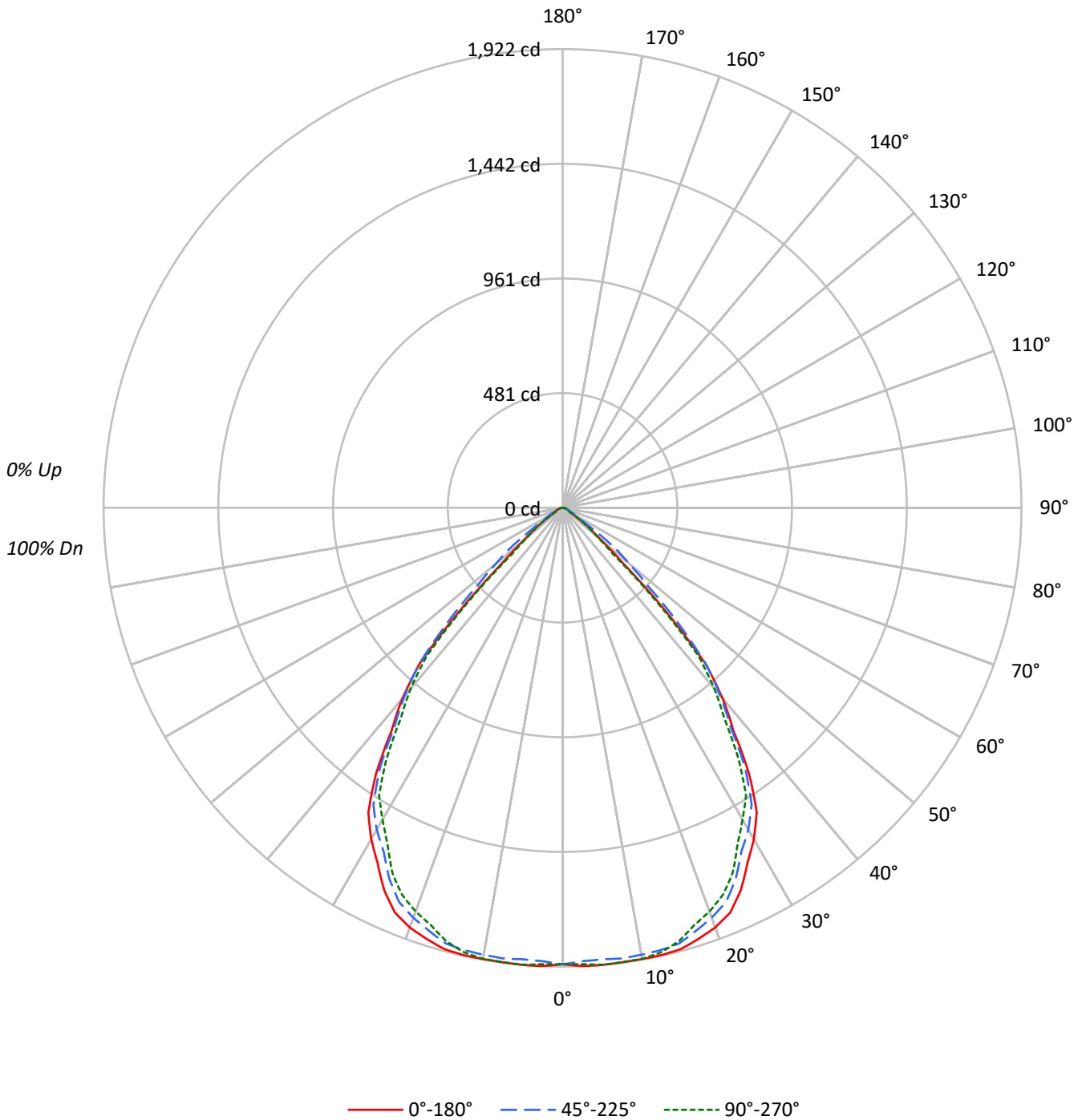
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2991.1 lumens
Efficiency: N/A
Efficacy: 118.2 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): 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

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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	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°	30874	30874	30874
5°	31154	30768	31139
10°	31470	31170	31455
15°	31993	31579	31427
20°	32146	31390	30917
25°	31484	30554	30048
30°	29873	29019	28096
35°	26867	26308	25350
40°	22025	21697	20866
45°	13773	15678	12935
50°	5388	9141	4928
55°	2657	4256	2632
60°	1243	2041	1124
65°	1119	1192	1051
70°	1081	1124	1039
75°	1085	1085	973
80°	1023	1023	939
85°	1019	852	852

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 15678 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.8	6.1
10°-20°	534.6	17.9
20°-30°	790.4	26.4
30°-40°	817.8	27.3
40°-50°	491.9	16.4
50°-60°	117.7	3.9
60°-70°	32.2	1.1
70°-80°	18.0	0.6
80°-90°	5.7	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°	1507.8	50.4
0°-40°	2325.6	77.8
0°-60°	2935.2	98.1
0°-90°	2991.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2991.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1912	1912	1912	1912	1912	
5°	1922	1916	1898	1924	1921	183
15°	1914	1928	1889	1889	1880	539
25°	1767	1782	1715	1697	1687	808
35°	1363	1361	1335	1304	1286	837
45°	603	685	687	653	566	466
55°	94	106	151	101	94	95
65°	29	30	31	29	28	29
75°	17	17	17	16	16	18
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°	1912.2	1912.2	1912.2	1912.2	1912.2
2.5°	1921.7	1916.7	1901.2	1917.2	1913.6
5°	1922.2	1916.0	1898.4	1924.0	1921.3
7.5°	1920.2	1917.6	1904.1	1923.4	1919.3
10°	1919.5	1920.4	1901.2	1921.2	1918.6
12.5°	1918.8	1926.1	1898.2	1913.8	1907.6
15°	1914.0	1928.3	1889.2	1889.1	1880.1
17.5°	1893.6	1910.7	1858.4	1844.1	1833.2
20°	1870.9	1888.0	1826.9	1803.9	1799.4
22.5°	1835.0	1853.4	1788.0	1762.8	1755.4
25°	1767.3	1781.6	1715.1	1696.6	1686.7
27.5°	1677.1	1685.0	1622.5	1601.3	1587.7
30°	1602.3	1605.9	1556.5	1528.5	1507.0
32.5°	1513.6	1517.2	1473.6	1447.2	1430.0
35°	1363.1	1361.2	1334.7	1304.0	1286.1
37.5°	1174.8	1177.3	1156.3	1132.1	1113.9
40°	1045.0	1046.8	1029.4	994.5	990.0
42.5°	886.6	913.5	890.1	862.9	841.9
45°	603.2	684.8	686.6	652.6	566.5
47.5°	340.6	433.5	487.1	389.4	284.9
50°	214.5	277.2	363.9	231.1	196.2
52.5°	152.2	184.1	274.4	162.5	144.1
55°	94.4	106.1	151.2	100.6	93.5
57.5°	56.1	68.1	86.0	68.1	56.8
60°	38.5	48.4	63.2	44.7	34.8
62.5°	33.4	37.5	50.0	35.3	31.9
65°	29.3	30.2	31.2	29.3	27.5
67.5°	25.8	26.8	26.0	25.8	24.2
70°	22.9	23.8	23.8	22.9	22.0
72.5°	20.7	21.6	20.9	20.7	19.1
75°	17.4	17.4	17.4	16.5	15.6
77.5°	13.2	14.1	13.2	13.2	12.3
80°	11.0	11.9	11.0	11.0	10.1
82.5°	8.8	9.0	8.8	8.8	7.9
85°	5.5	5.5	4.6	4.6	4.6
87.5°	1.5	2.2	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)