

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: P709927

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

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-2019
Report Number: P709927
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-930-UNV-STD-W-4
Description: CORELITE DISCREET DL2R RECESSED LED LUMINAIRE
DOWNLIGHT 750 LUMENS PER FOOT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

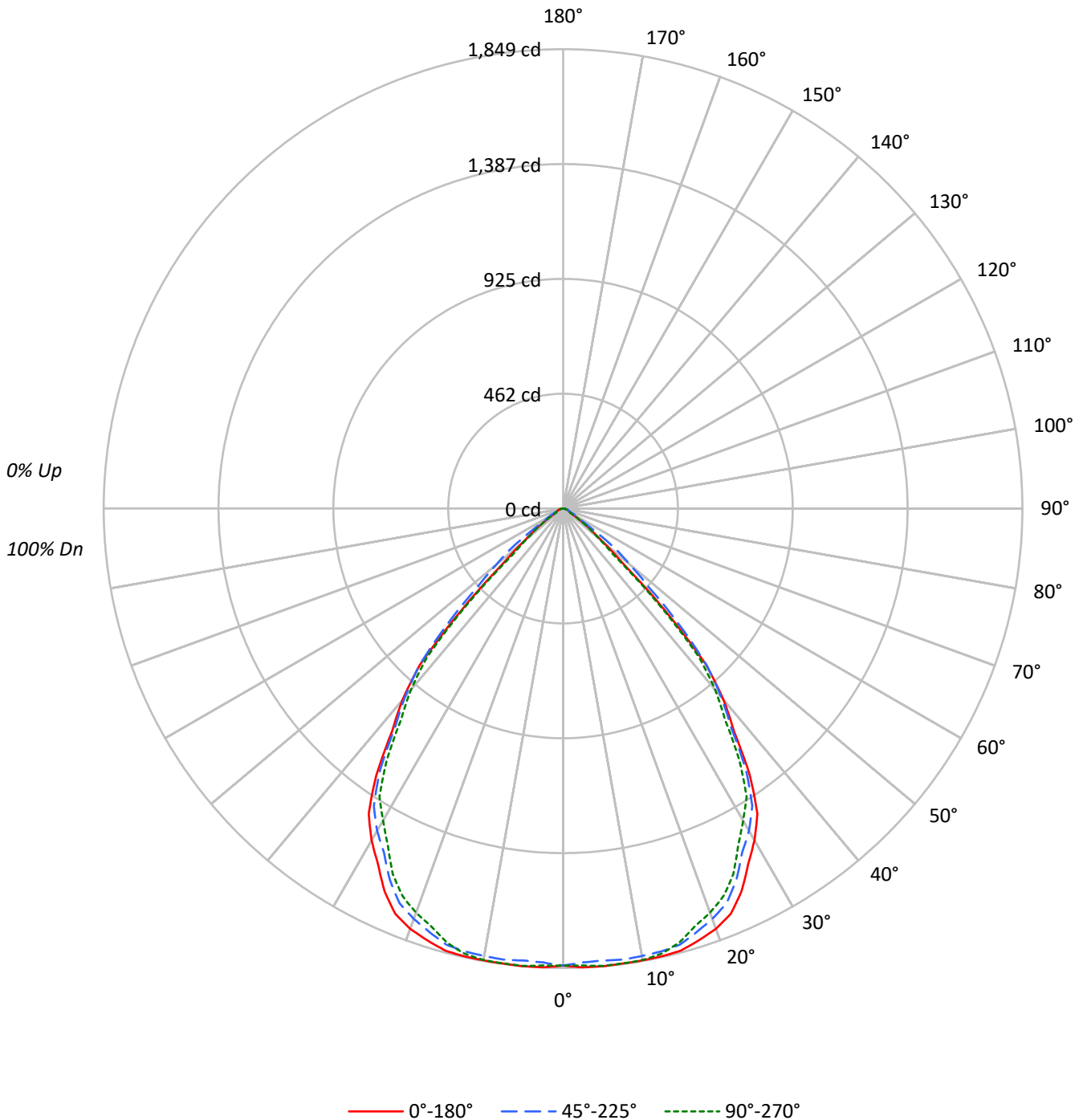
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2876.8 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): 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°	29694	29694	29694
5°	29964	29593	29950
10°	30268	29980	30252
15°	30770	30374	30225
20°	30917	30192	29737
25°	30282	29386	28899
30°	28732	27909	27022
35°	25840	25302	24382
40°	21184	20868	20067
45°	13248	15079	12442
50°	5182	8791	4737
55°	2556	4096	2531
60°	1195	1967	1082
65°	1077	1146	1012
70°	1039	1081	1001
75°	1048	1048	936
80°	976	976	902
85°	982	815	815

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 15079 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.8	6.1
10°-20°	514.2	17.9
20°-30°	760.2	26.4
30°-40°	786.6	27.3
40°-50°	473.1	16.4
50°-60°	113.2	3.9
60°-70°	30.9	1.1
70°-80°	17.3	0.6
80°-90°	5.4	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°	1450.2	50.4
0°-40°	2236.8	77.8
0°-60°	2823.1	98.1
0°-90°	2876.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2876.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1839	1839	1839	1839	1839	
5°	1849	1843	1826	1851	1848	176
15°	1841	1855	1817	1817	1808	519
25°	1700	1714	1650	1632	1622	777
35°	1311	1309	1284	1254	1237	805
45°	580	658	660	628	545	449
55°	91	102	146	97	90	91
65°	28	29	30	28	26	28
75°	17	17	17	16	15	17
85°	5	5	4	4	4	6
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1839.1	1839.1	1839.1	1839.1	1839.1
2.5°	1848.3	1843.4	1828.6	1844.0	1840.6
5°	1848.8	1842.8	1825.9	1850.6	1847.9
7.5°	1846.9	1844.3	1831.3	1849.9	1846.0
10°	1846.2	1847.0	1828.6	1847.9	1845.2
12.5°	1845.4	1852.5	1825.7	1840.8	1834.7
15°	1840.8	1854.7	1817.1	1816.9	1808.2
17.5°	1821.3	1837.7	1787.5	1773.7	1763.1
20°	1799.4	1815.8	1757.2	1735.0	1730.7
22.5°	1764.9	1782.6	1719.8	1695.5	1688.3
25°	1699.8	1713.6	1649.5	1631.8	1622.2
27.5°	1613.1	1620.7	1560.5	1540.1	1527.0
30°	1541.1	1544.6	1497.0	1470.1	1449.4
32.5°	1455.8	1459.2	1417.4	1392.0	1375.4
35°	1311.0	1309.3	1283.7	1254.2	1237.0
37.5°	1129.9	1132.4	1112.1	1088.8	1071.4
40°	1005.1	1006.8	990.1	956.4	952.1
42.5°	852.8	878.6	856.1	829.9	809.7
45°	580.2	658.5	660.4	627.6	544.9
47.5°	327.6	416.9	468.5	374.6	274.0
50°	206.3	266.7	350.0	222.3	188.6
52.5°	146.4	177.0	264.0	156.4	138.6
55°	90.8	102.0	145.5	96.8	89.9
57.5°	54.0	65.5	82.7	65.5	54.6
60°	37.0	46.5	60.9	43.0	33.5
62.5°	32.1	36.0	48.1	33.9	30.7
65°	28.2	29.1	30.0	28.1	26.5
67.5°	24.8	25.8	25.0	24.8	23.3
70°	22.0	22.9	22.9	22.0	21.2
72.5°	19.9	20.8	20.1	19.9	18.3
75°	16.8	16.8	16.8	15.9	15.0
77.5°	12.6	13.6	12.6	12.6	11.8
80°	10.5	11.5	10.5	10.5	9.7
82.5°	8.4	8.6	8.4	8.4	7.6
85°	5.3	5.3	4.4	4.4	4.4
87.5°	1.4	2.1	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)