

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: P709918

Luminaire Tested: DL2R-BB-M-100D-930-UNV-STD-W-4

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-2019
Report Number: P709918
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-222-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2R-BB-M-100D-930-UNV-STD-W-4
Description: CORELITE DISCREET DL2R RECESSED LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

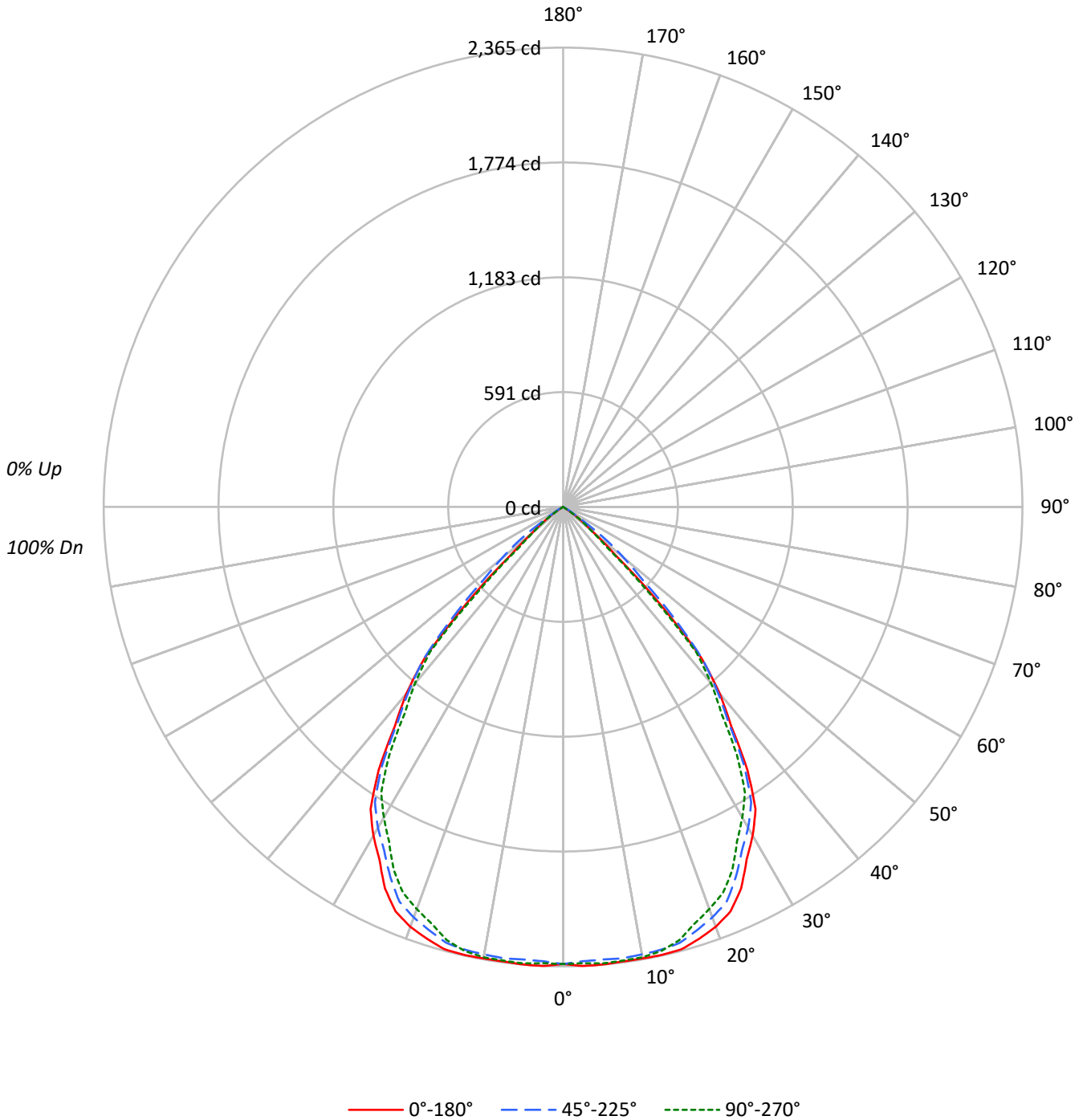
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3520.4 lumens
Efficiency: N/A
Efficacy: 100.9 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): 34.9
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				
RC	80					70					50					30				
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	89	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	71	67	76	70	66	74	69	66	72	68	65	63		
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58		
7	78	67	61	56	76	67	60	56	65	59	55	64	59	55	63	58	55	53		
8	73	63	56	51	72	62	55	51	61	55	51	60	54	50	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	46	43	41		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37993	37993	37993
5°	38323	37909	38224
10°	38694	38348	38594
15°	39407	38832	38596
20°	39508	38629	37842
25°	38623	37476	36736
30°	36409	35537	34401
35°	32619	32045	30758
40°	26462	26015	24993
45°	16105	18260	14454
50°	5137	10319	4695
55°	1785	3747	1838
60°	142	1082	29
65°	0	65	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: 18260 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.9	6.4
10°-20°	657.6	18.7
20°-30°	969.3	27.5
30°-40°	992.6	28.2
40°-50°	572.0	16.2
50°-60°	100.2	2.8
60°-70°	3.8	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°	1851.8	52.6
0°-40°	2844.4	80.8
0°-60°	3516.6	99.9
0°-90°	3520.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3520.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2353	2353	2353	2353	2353	
5°	2364	2359	2339	2367	2358	225
15°	2358	2376	2323	2323	2309	664
25°	2168	2184	2104	2085	2062	989
35°	1655	1645	1626	1586	1560	1016
45°	705	789	800	760	633	540
55°	63	76	133	72	65	71
65°	0	1	2	1	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2353.1	2353.1	2353.1	2353.1	2353.1
2.5°	2365.1	2358.9	2340.4	2359.3	2351.0
5°	2364.5	2359.4	2339.0	2367.0	2358.4
7.5°	2360.1	2359.0	2343.3	2365.3	2355.4
10°	2360.1	2364.4	2339.0	2361.8	2354.0
12.5°	2361.6	2371.4	2334.8	2352.5	2341.3
15°	2357.5	2376.5	2323.1	2322.8	2309.0
17.5°	2331.1	2353.4	2286.3	2268.0	2249.6
20°	2299.4	2325.2	2248.2	2222.2	2202.4
22.5°	2253.5	2278.6	2200.3	2170.7	2150.9
25°	2168.0	2184.3	2103.6	2084.6	2062.1
27.5°	2046.6	2056.3	1993.6	1960.7	1940.5
30°	1952.9	1959.7	1906.1	1870.3	1845.2
32.5°	1844.2	1841.5	1802.4	1766.0	1742.3
35°	1654.9	1645.3	1625.8	1586.4	1560.5
37.5°	1421.9	1420.2	1400.8	1366.7	1339.6
40°	1255.5	1253.7	1234.3	1204.0	1185.8
42.5°	1053.7	1086.5	1063.6	1026.3	1015.1
45°	705.3	789.0	799.7	759.7	633.0
47.5°	363.9	475.7	556.9	433.8	300.5
50°	204.5	287.3	410.8	232.6	186.9
52.5°	133.3	173.3	286.7	148.5	125.6
55°	63.4	76.4	133.1	72.1	65.3
57.5°	22.7	35.2	58.2	35.7	22.0
60°	4.4	14.8	33.5	10.4	0.9
62.5°	1.6	4.3	19.4	2.8	0.9
65°	0.0	0.8	1.7	0.8	0.0
67.5°	0.0	0.7	0.7	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)