

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: PORTFOLIO

Report Number: P1179894

Luminaire Tested: LDA2B209027R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-034-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B209027R2060D010 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

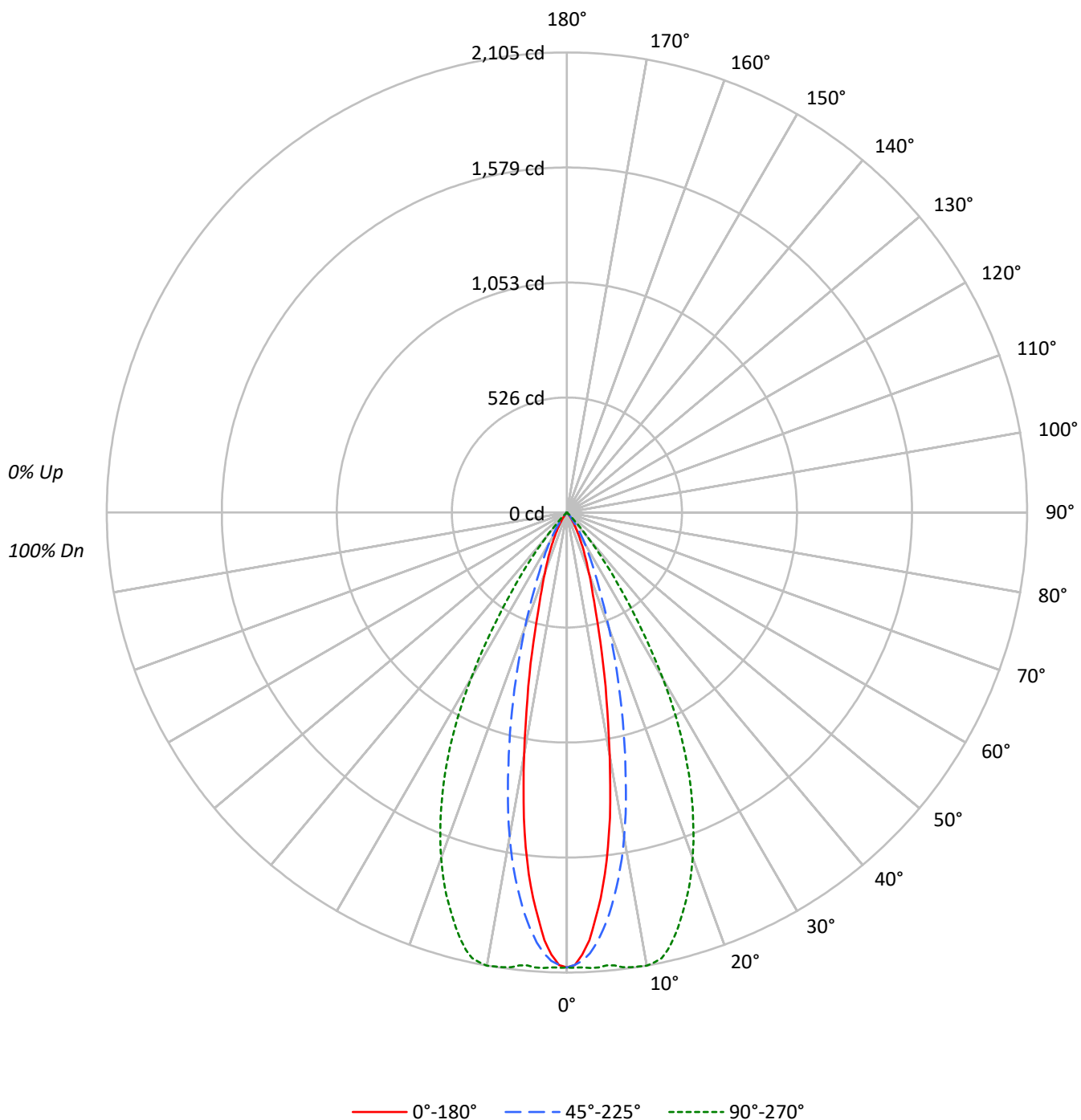
Lumens per Lamp: N/A
Luminaire Lumens: 829.3 lumens
Efficiency: N/A
Efficacy: 40.3 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 20.6
Input Voltage (V): NR
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	92	92	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	91	89	87	87	87	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	83	83	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	79	79	78
6	93	86	81	77	92	85	81	77	84	80	77	82	79	76	81	78	76	76	76	74
7	90	82	77	74	89	81	77	73	80	76	73	79	75	73	78	75	72	72	72	71
8	86	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	69	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	66	66	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1027229	1027229	1027229
5°	877180	948149	1030162
10°	564747	755868	1054698
15°	289706	504126	1003655
20°	154725	294591	882776
25°	86282	161513	718071
30°	45974	92004	500184
35°	20056	44388	260789
40°	5861	13010	98795
45°	1395	3489	14792
50°	768	768	1535
55°	860	860	860
60°	0	987	987
65°	0	1167	1167
70°	0	1442	1442
75°	0	1906	1906
80°	0	2841	2841
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 14792 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.8	20.7
10°-20°	312.8	37.7
20°-30°	237.1	28.6
30°-40°	94.9	11.4
40°-50°	9.6	1.2
50°-60°	1.0	0.1
60°-70°	0.9	0.1
70°-80°	0.9	0.1
80°-90°	0.3	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°	721.8	87.0
0°-40°	816.7	98.5
0°-60°	827.3	99.8
0°-90°	829.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	829.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2082	2082	2082	2082	2082	
5°	1771	1811	1914	2026	2080	148
15°	567	658	987	1625	1965	162
25°	158	185	297	848	1319	75
35°	33	41	74	224	433	23
45°	2	3	5	10	21	2
55°	1	1	1	1	1	1
65°	0	1	1	1	1	0
75°	0	1	1	1	1	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°	2082.1	2082.1	2082.1	2082.1	2082.1
1°	2071.0	2072.0	2070.0	2073.0	2083.1
2°	2024.5	2039.7	2052.8	2065.9	2083.1
3°	1960.0	1978.1	2019.5	2060.9	2087.1
4°	1865.1	1902.4	1973.1	2048.8	2087.1
5°	1771.2	1810.6	1914.5	2025.6	2080.1
6°	1664.2	1720.8	1846.9	2003.4	2084.1
7°	1543.1	1612.8	1772.2	1989.2	2096.2
8°	1411.9	1490.7	1690.5	1958.9	2101.2
9°	1266.6	1362.5	1603.7	1922.6	2103.3
10°	1127.3	1228.3	1508.8	1881.2	2105.3
11°	988.1	1093.0	1405.9	1840.9	2097.2
12°	870.0	969.9	1297.9	1798.5	2085.1
13°	761.0	857.9	1190.9	1748.0	2053.8
14°	660.0	754.9	1088.0	1689.5	2012.4
15°	567.2	658.0	987.0	1624.9	1965.0
16°	483.4	568.2	890.2	1553.2	1912.5
17°	422.9	490.5	799.3	1477.5	1861.0
18°	375.4	425.9	713.5	1402.9	1806.5
19°	333.1	373.4	633.8	1325.1	1746.0
20°	294.7	331.0	561.1	1244.4	1681.4
21°	262.4	293.7	493.5	1164.7	1615.8
22°	234.1	261.4	433.0	1085.9	1544.1
23°	207.9	232.1	381.5	1006.2	1472.5
24°	182.7	208.9	336.1	925.5	1397.8
25°	158.5	184.7	296.7	847.8	1319.1
26°	139.3	163.5	263.4	772.1	1237.3
27°	120.1	145.3	234.1	699.4	1154.6
28°	105.0	128.2	207.9	629.8	1064.8
29°	90.8	113.0	183.7	561.1	972.9
30°	80.7	97.9	161.5	496.5	878.0
32.5°	55.5	65.6	113.0	349.2	640.9
35°	33.3	41.4	73.7	224.1	433.0
37.5°	18.2	22.2	42.4	134.2	272.5
40°	9.1	11.1	20.2	65.6	153.4
42.5°	4.0	5.0	9.1	25.2	65.6
45°	2.0	3.0	5.0	10.1	21.2
47.5°	1.0	2.0	2.0	4.0	6.1
50°	1.0	1.0	1.0	2.0	2.0
52.5°	1.0	1.0	1.0	2.0	2.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	0.0	1.0	1.0	1.0	1.0
60°	0.0	1.0	1.0	1.0	1.0
62.5°	0.0	1.0	1.0	1.0	1.0
65°	0.0	1.0	1.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.0	1.0	1.0	1.0
70°	0.0	1.0	1.0	1.0	1.0
72.5°	0.0	1.0	1.0	1.0	1.0
75°	0.0	1.0	1.0	1.0	1.0
77.5°	0.0	1.0	1.0	1.0	1.0
80°	0.0	0.0	1.0	1.0	1.0
82.5°	0.0	0.0	1.0	1.0	1.0
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)