

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: P1178884

Luminaire Tested: LDA2B109027R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178884
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: LDA2B109027R2060D010 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

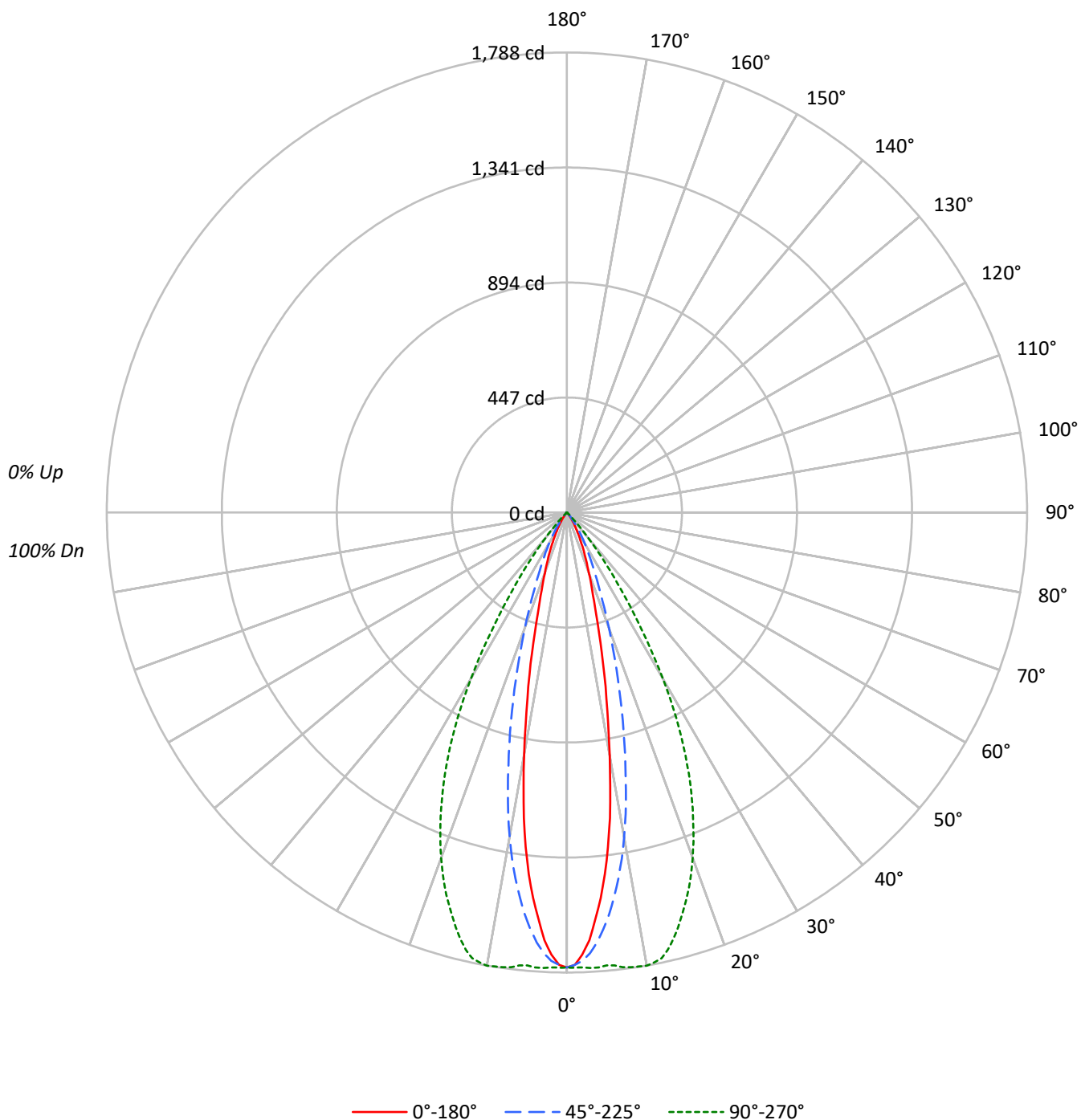
Lumens per Lamp: N/A
Luminaire Lumens: 704.5 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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

TEST NUMBER: P1178884

CATALOG NUMBER: LDA2B109027R2060D010 2LBDC1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1178884

CATALOG NUMBER: LDA2B109027R2060D010 2LBDC1MB

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°	872510	872510	872510
5°	745098	805370	875001
10°	479681	642047	895839
15°	246087	428226	852519
20°	131414	250227	749840
25°	73271	137180	609906
30°	39080	78161	424871
35°	17045	37703	221520
40°	4959	11013	83918
45°	1186	3000	12559
50°	691	691	1305
55°	774	774	774
60°	0	888	888
65°	0	1051	1051
70°	0	1298	1298
75°	0	1716	1716
80°	0	2557	2557
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 12559 cd/sqm

TEST NUMBER: P1178884

CATALOG NUMBER: LDA2B109027R2060D010 2LBDC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.0	20.7
10°-20°	265.7	37.7
20°-30°	201.4	28.6
30°-40°	80.6	11.4
40°-50°	8.2	1.2
50°-60°	0.9	0.1
60°-70°	0.8	0.1
70°-80°	0.8	0.1
80°-90°	0.2	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°	613.1	87.0
0°-40°	693.7	98.5
0°-60°	702.7	99.7
0°-90°	704.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	704.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1768	1768	1768	1768	1768	
5°	1504	1538	1626	1720	1767	126
15°	482	559	838	1380	1669	138
25°	135	157	252	720	1120	64
35°	28	35	63	190	368	19
45°	2	3	4	9	18	2
55°	1	1	1	1	1	0
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

TEST NUMBER: P1178884

CATALOG NUMBER: LDA2B109027R2060D010 2LBDC1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1768.5	1768.5	1768.5	1768.5	1768.5
1°	1759.1	1759.9	1758.2	1760.8	1769.4
2°	1719.6	1732.5	1743.6	1754.8	1769.4
3°	1664.8	1680.2	1715.3	1750.5	1772.8
4°	1584.2	1615.9	1675.9	1740.2	1772.8
5°	1504.5	1537.9	1626.2	1720.5	1766.8
6°	1413.6	1461.6	1568.8	1701.6	1770.2
7°	1310.7	1369.9	1505.3	1689.6	1780.5
8°	1199.3	1266.1	1435.9	1663.9	1784.8
9°	1075.8	1157.3	1362.2	1633.0	1786.5
10°	957.5	1043.3	1281.6	1597.9	1788.2
11°	839.2	928.4	1194.1	1563.6	1781.4
12°	738.9	823.8	1102.4	1527.6	1771.1
13°	646.4	728.7	1011.5	1484.7	1744.5
14°	560.6	641.2	924.1	1435.0	1709.3
15°	481.8	558.9	838.4	1380.2	1669.1
16°	410.6	482.6	756.1	1319.3	1624.5
17°	359.2	416.6	678.9	1255.0	1580.8
18°	318.9	361.8	606.1	1191.6	1534.5
19°	282.9	317.2	538.3	1125.6	1483.0
20°	250.3	281.2	476.6	1057.0	1428.2
21°	222.9	249.5	419.2	989.3	1372.4
22°	198.9	222.0	367.8	922.4	1311.6
23°	176.6	197.2	324.0	854.7	1250.7
24°	155.2	177.4	285.5	786.1	1187.3
25°	134.6	156.9	252.0	720.1	1120.4
26°	118.3	138.9	223.7	655.8	1051.0
27°	102.0	123.4	198.9	594.1	980.7
28°	89.2	108.9	176.6	534.9	904.4
29°	77.2	96.0	156.0	476.6	826.4
30°	68.6	83.2	137.2	421.8	745.8
32.5°	47.1	55.7	96.0	296.6	544.3
35°	28.3	35.1	62.6	190.3	367.8
37.5°	15.4	18.9	36.0	114.0	231.5
40°	7.7	9.4	17.1	55.7	130.3
42.5°	3.4	4.3	7.7	21.4	55.7
45°	1.7	2.6	4.3	8.6	18.0
47.5°	0.9	1.7	1.7	3.4	5.1
50°	0.9	0.9	0.9	1.7	1.7
52.5°	0.9	0.9	0.9	1.7	1.7
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.0	0.9	0.9	0.9	0.9
60°	0.0	0.9	0.9	0.9	0.9
62.5°	0.0	0.9	0.9	0.9	0.9
65°	0.0	0.9	0.9	0.9	0.9



TEST NUMBER: P1178884

CATALOG NUMBER: LDA2B109027R2060D010 2LBDC1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.9	0.9	0.9	0.9
70°	0.0	0.9	0.9	0.9	0.9
72.5°	0.0	0.9	0.9	0.9	0.9
75°	0.0	0.9	0.9	0.9	0.9
77.5°	0.0	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.9	0.9	0.9
82.5°	0.0	0.0	0.9	0.9	0.9
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)