

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: P1178918

Luminaire Tested: LDA2B109030R2060D010 2LBD1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178918
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: LDA2B109030R2060D010 2LBD1MMS
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

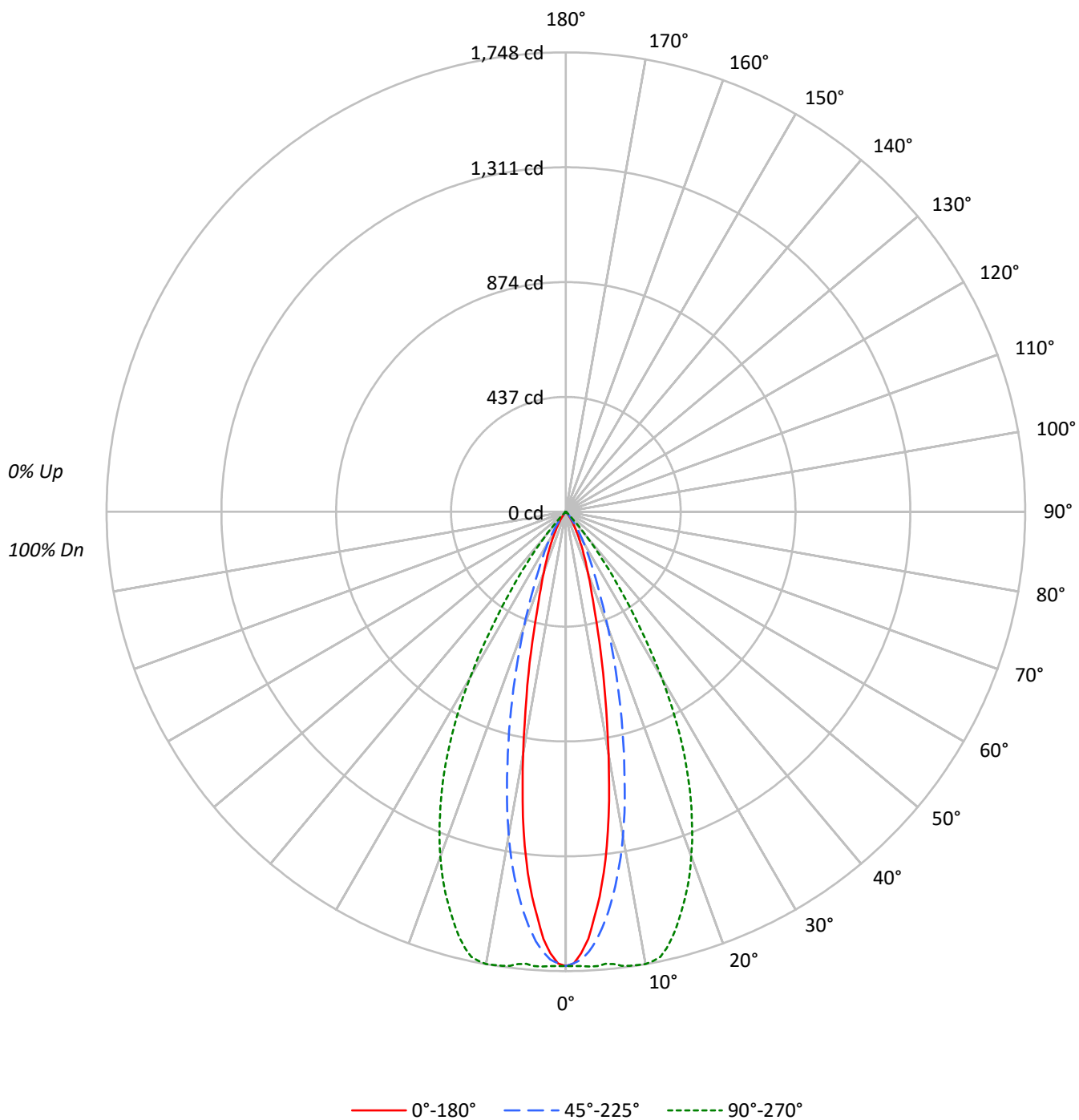
Lumens per Lamp: N/A
Luminaire Lumens: 688.4 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1178918

CATALOG NUMBER: LDA2B109030R2060D010 2LBD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1178918

CATALOG NUMBER: LDA2B109030R2060D010 2LBD1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	83	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	67	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	852825	852825	852825
5°	728260	787194	855241
10°	468860	627568	875650
15°	240520	418572	833263
20°	128474	244609	732882
25°	71638	134077	596134
30°	38169	76395	415300
35°	16683	36860	216521
40°	4830	10820	82050
45°	1186	2930	12280
50°	614	614	1305
55°	688	688	688
60°	0	789	789
65°	0	934	934
70°	0	1154	1154
75°	0	1525	1525
80°	0	2273	2273
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 12280 cd/sqm

TEST NUMBER: P1178918

CATALOG NUMBER: LDA2B109030R2060D010 2LBD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.7	20.7
10°-20°	259.7	37.7
20°-30°	196.9	28.6
30°-40°	78.8	11.4
40°-50°	8.0	1.2
50°-60°	0.8	0.1
60°-70°	0.7	0.1
70°-80°	0.7	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°	599.3	87.0
0°-40°	678.0	98.5
0°-60°	686.8	99.8
0°-90°	688.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	688.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1729	1729	1729	1729	1729	
5°	1470	1503	1590	1682	1727	123
15°	471	546	820	1349	1631	135
25°	132	153	246	704	1095	62
35°	28	34	61	186	360	19
45°	2	2	4	8	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: P1178918

CATALOG NUMBER: LDA2B109030R2060D010 2LBD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1728.6	1728.6	1728.6	1728.6	1728.6
1°	1719.4	1720.2	1718.5	1721.1	1729.4
2°	1680.8	1693.4	1704.3	1715.2	1729.4
3°	1627.2	1642.3	1676.6	1711.0	1732.8
4°	1548.4	1579.4	1638.1	1700.9	1732.8
5°	1470.5	1503.2	1589.5	1681.7	1726.9
6°	1381.7	1428.6	1533.4	1663.2	1730.3
7°	1281.2	1339.0	1471.4	1651.5	1740.3
8°	1172.2	1237.6	1403.5	1626.4	1744.5
9°	1051.6	1131.2	1331.4	1596.2	1746.2
10°	935.9	1019.7	1252.7	1561.9	1747.9
11°	820.3	907.4	1167.2	1528.3	1741.2
12°	722.3	805.2	1077.5	1493.1	1731.1
13°	631.8	712.2	988.7	1451.2	1705.1
14°	548.0	626.8	903.3	1402.6	1670.8
15°	470.9	546.3	819.5	1349.0	1631.4
16°	401.4	471.7	739.0	1289.5	1587.8
17°	351.1	407.2	663.6	1226.7	1545.1
18°	311.7	353.6	592.4	1164.7	1499.8
19°	276.5	310.0	526.2	1100.2	1449.6
20°	244.7	274.8	465.9	1033.1	1395.9
21°	217.9	243.8	409.7	966.9	1341.5
22°	194.4	217.0	359.5	901.6	1282.0
23°	172.6	192.7	316.7	835.4	1222.5
24°	151.7	173.4	279.0	768.4	1160.5
25°	131.6	153.3	246.3	703.8	1095.1
26°	115.6	135.7	218.7	641.0	1027.3
27°	99.7	120.7	194.4	580.7	958.6
28°	87.1	106.4	172.6	522.9	884.0
29°	75.4	93.8	152.5	465.9	807.7
30°	67.0	81.3	134.1	412.2	729.0
32.5°	46.1	54.5	93.8	289.9	532.1
35°	27.7	34.4	61.2	186.0	359.5
37.5°	15.1	18.4	35.2	111.4	226.2
40°	7.5	9.2	16.8	54.5	127.4
42.5°	3.4	4.2	7.5	20.9	54.5
45°	1.7	2.5	4.2	8.4	17.6
47.5°	0.8	1.7	1.7	3.4	5.0
50°	0.8	0.8	0.8	1.7	1.7
52.5°	0.8	0.8	0.8	1.7	1.7
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.0	0.8	0.8	0.8	0.8
60°	0.0	0.8	0.8	0.8	0.8
62.5°	0.0	0.8	0.8	0.8	0.8
65°	0.0	0.8	0.8	0.8	0.8



TEST NUMBER: P1178918

CATALOG NUMBER: LDA2B109030R2060D010 2LBD1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.8	0.8	0.8	0.8
70°	0.0	0.8	0.8	0.8	0.8
72.5°	0.0	0.8	0.8	0.8	0.8
75°	0.0	0.8	0.8	0.8	0.8
77.5°	0.0	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.8	0.8	0.8
82.5°	0.0	0.0	0.8	0.8	0.8
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)