

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: P1178961

Luminaire Tested: LDA2B109035R2060D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178961
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: LDA2B109035R2060D010 2LBD1WMH
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

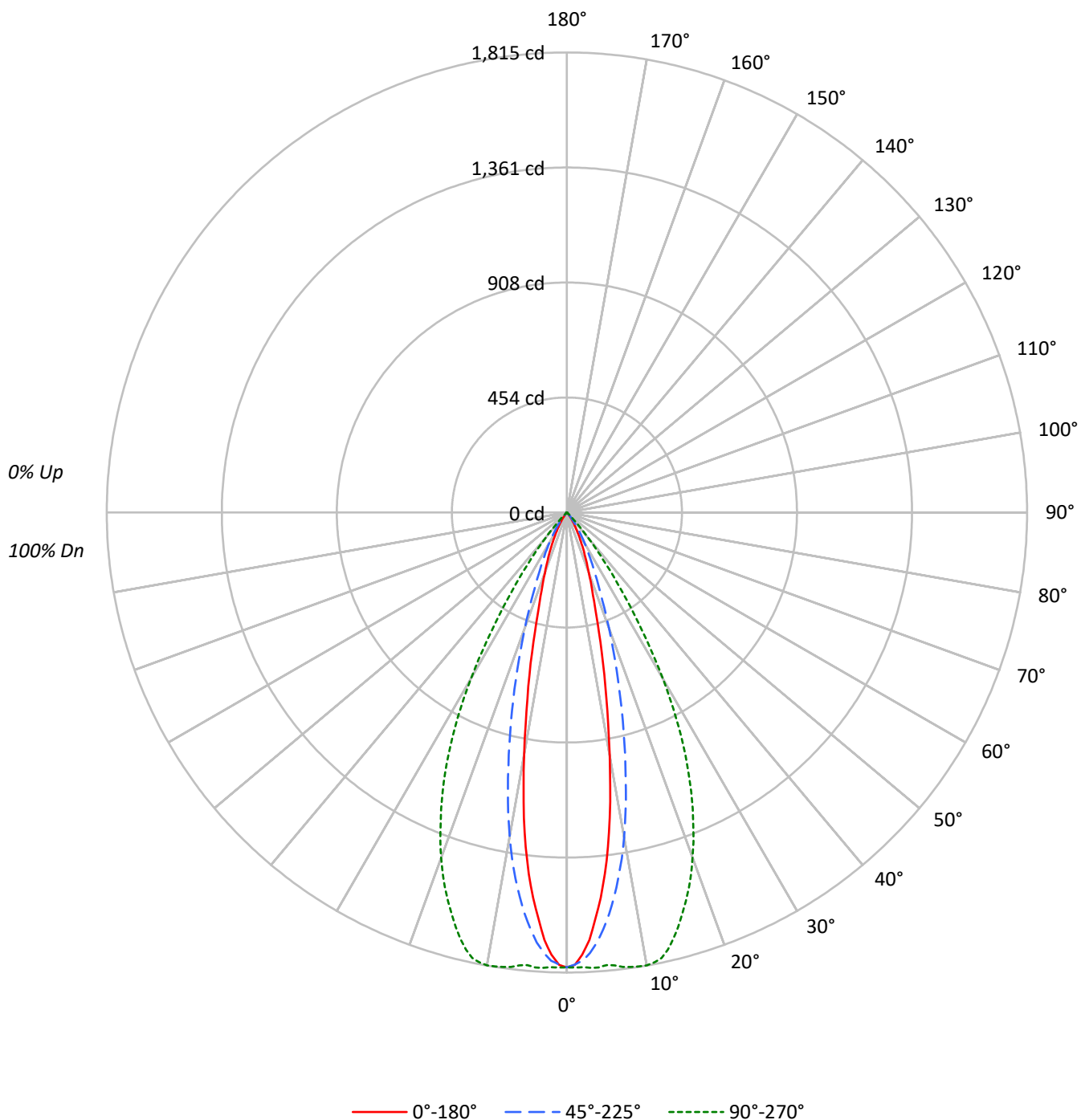
Lumens per Lamp: N/A
Luminaire Lumens: 714.9 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

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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°	885387	885387	885387
5°	756043	817256	887878
10°	486795	651515	909065
15°	249713	434508	865084
20°	133356	253954	760866
25°	74360	139194	618888
30°	39650	79300	431138
35°	17286	38245	224772
40°	5023	11206	85142
45°	1186	3000	12768
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: 12768 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.1	20.7
10°-20°	269.6	37.7
20°-30°	204.4	28.6
30°-40°	81.8	11.4
40°-50°	8.3	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°	622.1	87.0
0°-40°	703.9	98.5
0°-60°	713.1	99.7
0°-90°	714.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	714.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1795	1795	1795	1795	1795	
5°	1527	1561	1650	1746	1793	128
15°	489	567	851	1400	1694	140
25°	137	159	256	731	1137	65
35°	29	36	64	193	373	20
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

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1794.6	1794.6	1794.6	1794.6	1794.6
1°	1785.0	1785.9	1784.1	1786.7	1795.4
2°	1745.0	1758.0	1769.3	1780.6	1795.4
3°	1689.3	1705.0	1740.6	1776.3	1798.9
4°	1607.5	1639.7	1700.6	1765.9	1798.9
5°	1526.6	1560.6	1650.2	1745.9	1792.8
6°	1434.4	1483.1	1591.9	1726.7	1796.3
7°	1330.0	1390.1	1527.5	1714.5	1806.7
8°	1217.0	1284.8	1457.1	1688.4	1811.1
9°	1091.7	1174.3	1382.2	1657.1	1812.8
10°	971.7	1058.6	1300.5	1621.5	1814.6
11°	851.6	942.1	1211.7	1586.7	1807.6
12°	749.8	836.0	1118.7	1550.1	1797.2
13°	655.9	739.4	1026.5	1506.6	1770.2
14°	568.9	650.7	937.7	1456.2	1734.5
15°	488.9	567.2	850.7	1400.5	1693.7
16°	416.7	489.7	767.2	1338.7	1648.4
17°	364.5	422.8	688.9	1273.5	1604.1
18°	323.6	367.1	615.0	1209.1	1557.1
19°	287.1	321.9	546.3	1142.2	1504.9
20°	254.0	285.3	483.7	1072.6	1449.2
21°	226.2	253.1	425.4	1003.8	1392.7
22°	201.8	225.3	373.2	936.0	1330.9
23°	179.2	200.1	328.8	867.3	1269.2
24°	157.4	180.1	289.7	797.7	1204.8
25°	136.6	159.2	255.7	730.7	1136.9
26°	120.0	140.9	227.0	665.5	1066.5
27°	103.5	125.3	201.8	602.8	995.1
28°	90.5	110.5	179.2	542.8	917.7
29°	78.3	97.4	158.3	483.7	838.6
30°	69.6	84.4	139.2	428.0	756.8
32.5°	47.8	56.5	97.4	301.0	552.4
35°	28.7	35.7	63.5	193.1	373.2
37.5°	15.7	19.1	36.5	115.7	234.9
40°	7.8	9.6	17.4	56.5	132.2
42.5°	3.5	4.3	7.8	21.7	56.5
45°	1.7	2.6	4.3	8.7	18.3
47.5°	0.9	1.7	1.7	3.5	5.2
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



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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)