

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: P1179039

Luminaire Tested: LDA2B109050R2060D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179039
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: LDA2B109050R2060D010 2LBD1WMH
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

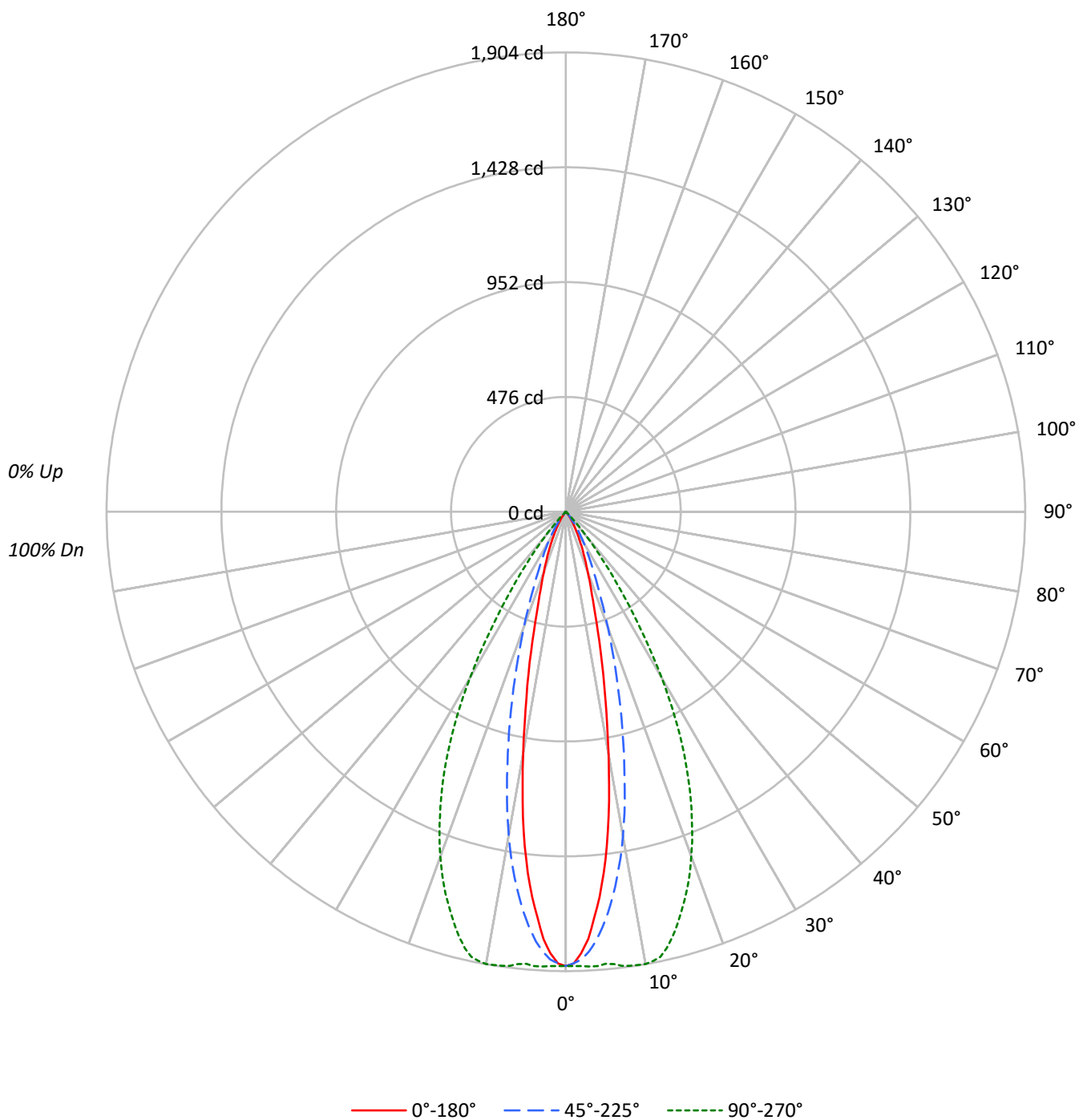
Lumens per Lamp: N/A
Luminaire Lumens: 749.9 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90	90	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	91	89	87	86	86	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	82	82	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78	78	78
6	93	86	81	77	92	85	81	77	84	80	77	82	79	76	81	78	76	74	74	74
7	90	82	77	74	89	81	77	73	80	76	73	79	75	73	78	75	72	71	71	71
8	86	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68	68	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65	65	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	62	62	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	928951	928951	928951
5°	793286	857470	931558
10°	510742	683577	953802
15°	261972	455909	907631
20°	139919	266450	798300
25°	78007	146053	649372
30°	41587	83174	452330
35°	18129	40112	235794
40°	5281	11786	89328
45°	1256	3210	13396
50°	691	691	1382
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: 13396 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.4	20.7
10°-20°	282.9	37.7
20°-30°	214.4	28.6
30°-40°	85.8	11.4
40°-50°	8.7	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°	652.7	87.0
0°-40°	738.5	98.5
0°-60°	748.1	99.8
0°-90°	749.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	749.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1883	1883	1883	1883	1883	
5°	1602	1637	1731	1832	1881	134
15°	513	595	893	1469	1777	147
25°	143	167	268	767	1193	68
35°	30	37	67	203	392	21
45°	2	3	5	9	19	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°	1882.9	1882.9	1882.9	1882.9	1882.9
1°	1872.8	1873.7	1871.9	1874.6	1883.8
2°	1830.8	1844.5	1856.4	1868.3	1883.8
3°	1772.4	1788.9	1826.3	1863.7	1887.4
4°	1686.6	1720.4	1784.3	1852.7	1887.4
5°	1601.8	1637.3	1731.4	1831.8	1881.0
6°	1505.0	1556.1	1670.2	1811.7	1884.7
7°	1395.5	1458.5	1602.7	1798.9	1895.6
8°	1276.8	1348.0	1528.7	1771.5	1900.2
9°	1145.4	1232.1	1450.2	1738.7	1902.0
10°	1019.5	1110.7	1364.5	1701.2	1903.9
11°	893.5	988.4	1271.4	1664.7	1896.6
12°	786.7	877.1	1173.7	1626.4	1885.6
13°	688.2	775.8	1077.0	1580.8	1857.3
14°	596.9	682.7	983.9	1527.8	1819.9
15°	512.9	595.1	892.6	1469.4	1777.0
16°	437.2	513.8	805.0	1404.6	1729.5
17°	382.4	443.6	722.8	1336.2	1683.0
18°	339.5	385.2	645.3	1268.6	1633.7
19°	301.2	337.7	573.2	1198.3	1578.9
20°	266.5	299.4	507.5	1125.3	1520.5
21°	237.3	265.6	446.3	1053.2	1461.2
22°	211.7	236.4	391.5	982.0	1396.4
23°	188.0	209.9	345.0	909.9	1331.6
24°	165.2	188.9	303.9	836.9	1264.1
25°	143.3	167.0	268.3	766.7	1192.9
26°	125.9	147.9	238.2	698.2	1118.9
27°	108.6	131.4	211.7	632.5	1044.1
28°	94.9	115.9	188.0	569.5	962.9
29°	82.1	102.2	166.1	507.5	879.8
30°	73.0	88.5	146.0	449.0	794.0
32.5°	50.2	59.3	102.2	315.8	579.6
35°	30.1	37.4	66.6	202.6	391.5
37.5°	16.4	20.1	38.3	121.4	246.4
40°	8.2	10.0	18.3	59.3	138.7
42.5°	3.7	4.6	8.2	22.8	59.3
45°	1.8	2.7	4.6	9.1	19.2
47.5°	0.9	1.8	1.8	3.7	5.5
50°	0.9	0.9	0.9	1.8	1.8
52.5°	0.9	0.9	0.9	1.8	1.8
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)