

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: P1178883

Luminaire Tested: LDA2B109027R2060D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178883
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 2LBD1WMH
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

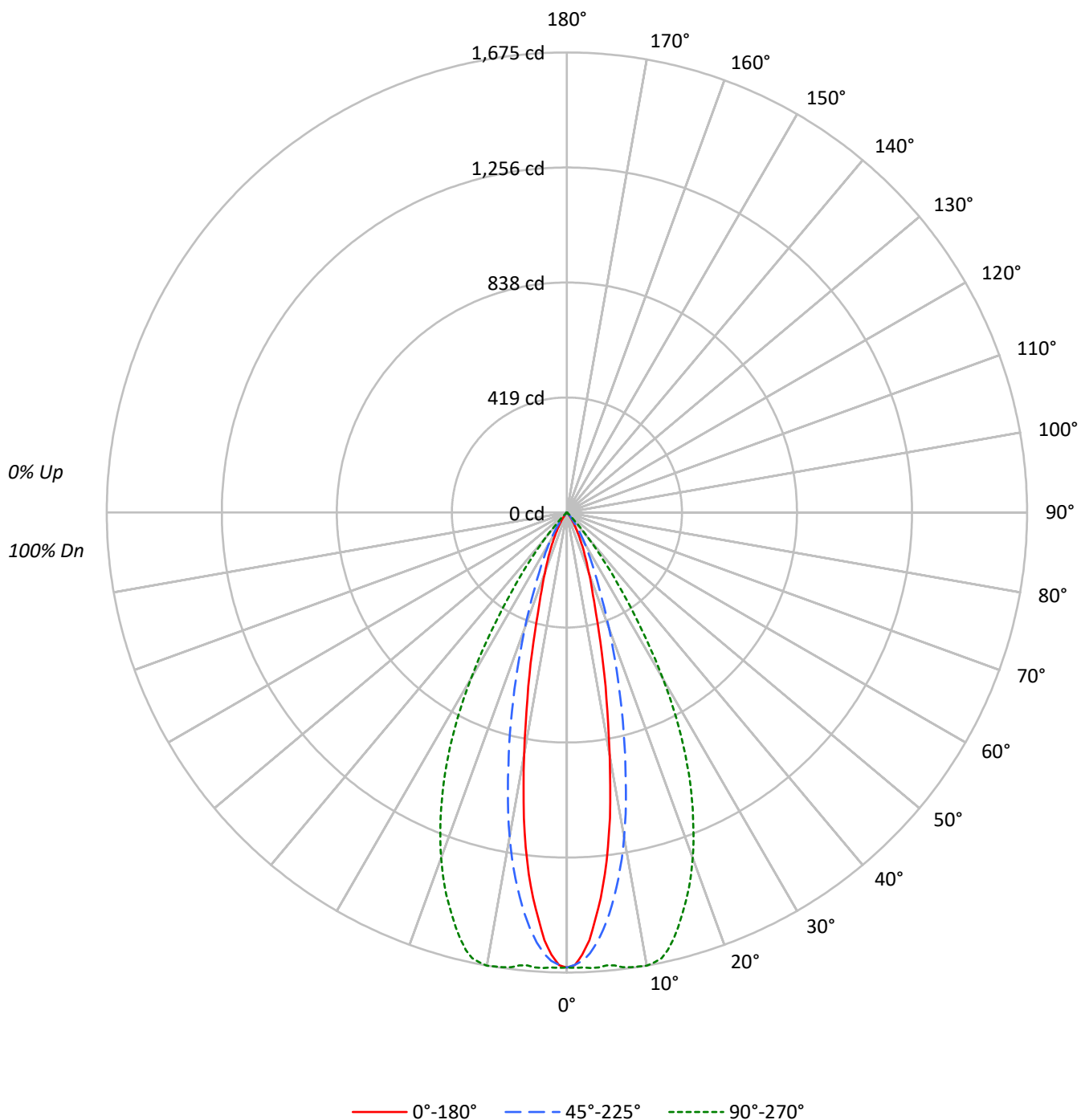
Lumens per Lamp: N/A
Luminaire Lumens: 659.9 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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					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	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°	817451	817451	817451
5°	698050	754508	819781
10°	449423	601518	839280
15°	230560	401206	798684
20°	123118	234424	702483
25°	68644	128524	571419
30°	36631	73205	398039
35°	15961	35294	207487
40°	4637	10369	78637
45°	1116	2791	11791
50°	614	614	1228
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: 11791 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.7	20.7
10°-20°	248.9	37.7
20°-30°	188.7	28.6
30°-40°	75.5	11.4
40°-50°	7.7	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°	574.4	87.0
0°-40°	649.9	98.5
0°-60°	658.3	99.8
0°-90°	659.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	659.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1657	1657	1657	1657	1657	
5°	1410	1441	1524	1612	1655	118
15°	451	524	786	1293	1564	129
25°	126	147	236	675	1050	60
35°	26	33	59	178	344	18
45°	2	2	4	8	17	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°	1656.9	1656.9	1656.9	1656.9	1656.9
1°	1648.0	1648.8	1647.2	1649.6	1657.7
2°	1611.1	1623.1	1633.6	1644.0	1657.7
3°	1559.7	1574.1	1607.1	1640.0	1660.9
4°	1484.2	1513.9	1570.1	1630.4	1660.9
5°	1409.5	1440.8	1523.5	1611.9	1655.3
6°	1324.4	1369.3	1469.7	1594.2	1658.5
7°	1228.0	1283.4	1410.3	1583.0	1668.1
8°	1123.6	1186.2	1345.2	1558.9	1672.1
9°	1007.9	1084.2	1276.2	1530.0	1673.7
10°	897.1	977.4	1200.7	1497.0	1675.3
11°	786.3	869.8	1118.8	1464.9	1668.9
12°	692.3	771.8	1032.8	1431.2	1659.3
13°	605.6	682.7	947.7	1391.0	1634.4
14°	525.2	600.7	865.8	1344.4	1601.4
15°	451.4	523.6	785.5	1293.0	1563.7
16°	384.7	452.2	708.4	1236.0	1521.9
17°	336.5	390.3	636.1	1175.8	1481.0
18°	298.8	338.9	567.8	1116.4	1437.6
19°	265.0	297.2	504.4	1054.5	1389.4
20°	234.5	263.4	446.5	990.3	1338.0
21°	208.8	233.7	392.7	926.8	1285.8
22°	186.3	208.0	344.5	864.2	1228.8
23°	165.4	184.7	303.6	800.7	1171.8
24°	145.4	166.2	267.4	736.5	1112.3
25°	126.1	147.0	236.1	674.6	1049.7
26°	110.8	130.1	209.6	614.4	984.6
27°	95.6	115.7	186.3	556.6	918.8
28°	83.5	102.0	165.4	501.2	847.3
29°	72.3	90.0	146.2	446.5	774.2
30°	64.3	77.9	128.5	395.1	698.7
32.5°	44.2	52.2	90.0	277.9	510.0
35°	26.5	32.9	58.6	178.3	344.5
37.5°	14.5	17.7	33.7	106.8	216.8
40°	7.2	8.8	16.1	52.2	122.1
42.5°	3.2	4.0	7.2	20.1	52.2
45°	1.6	2.4	4.0	8.0	16.9
47.5°	0.8	1.6	1.6	3.2	4.8
50°	0.8	0.8	0.8	1.6	1.6
52.5°	0.8	0.8	0.8	1.6	1.6
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



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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)