

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: P1178845

Luminaire Tested: LDA2B109024R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178845
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: LDA2B109024R2060D010 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

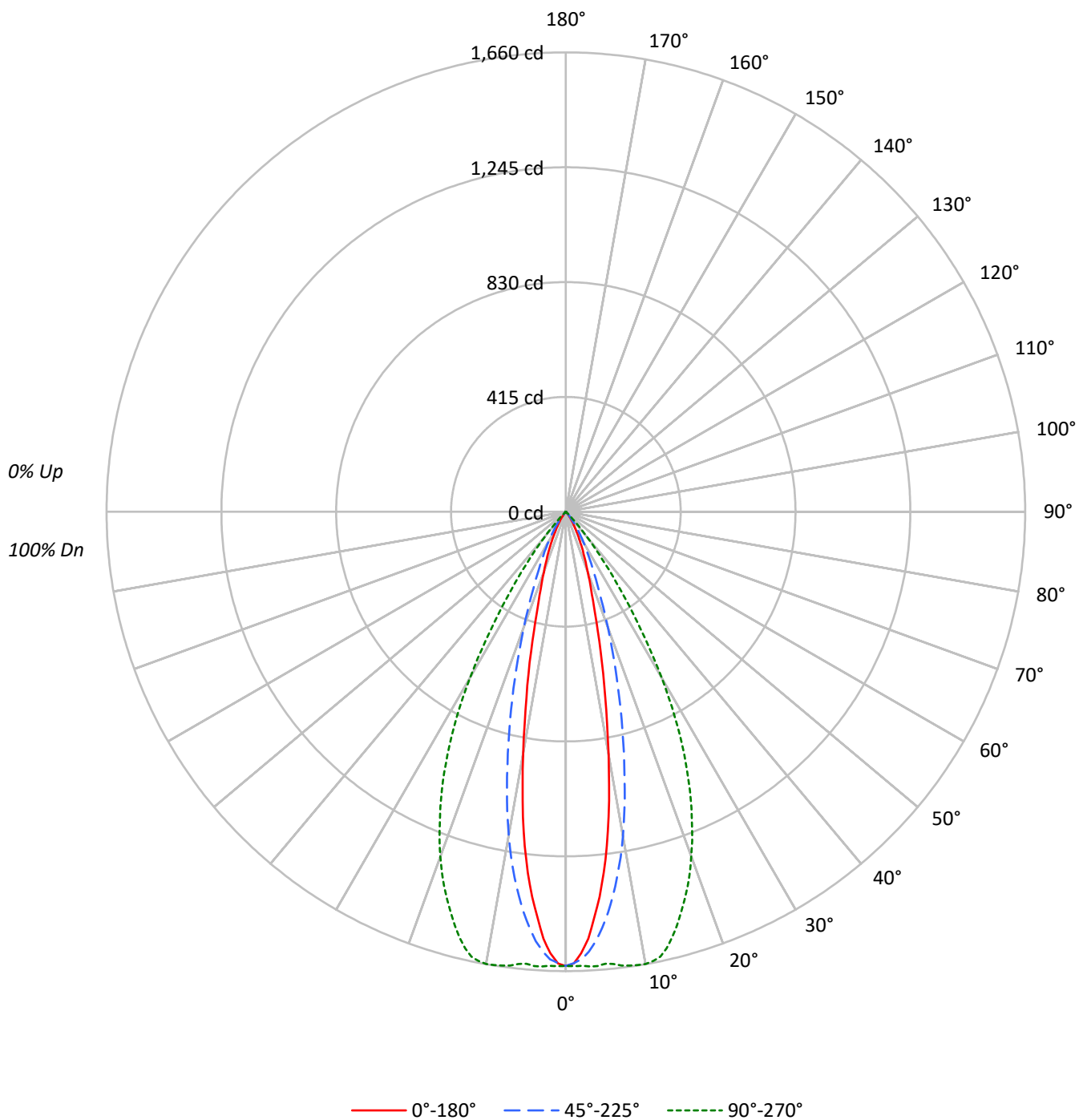
Lumens per Lamp: N/A
Luminaire Lumens: 653.8 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	809755	809755	809755
5°	691512	747426	812055
10°	445214	595857	831414
15°	228363	397427	791176
20°	121963	232218	695920
25°	67991	127327	566030
30°	36232	72521	394336
35°	15840	34993	205559
40°	4637	10240	77864
45°	1116	2791	11652
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: 11652 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.5	20.7
10°-20°	246.6	37.7
20°-30°	186.9	28.6
30°-40°	74.8	11.4
40°-50°	7.6	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°	569.0	87.0
0°-40°	643.8	98.5
0°-60°	652.2	99.8
0°-90°	653.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	653.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1641	1641	1641	1641	1641	
5°	1396	1427	1509	1597	1640	117
15°	447	519	778	1281	1549	128
25°	125	146	234	668	1040	59
35°	26	33	58	177	341	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°	1641.3	1641.3	1641.3	1641.3	1641.3
1°	1632.6	1633.3	1631.8	1634.1	1642.1
2°	1596.0	1607.9	1618.2	1628.6	1642.1
3°	1545.0	1559.4	1592.0	1624.6	1645.3
4°	1470.3	1499.7	1555.4	1615.1	1645.3
5°	1396.3	1427.3	1509.2	1596.8	1639.7
6°	1311.9	1356.5	1455.9	1579.2	1642.9
7°	1216.5	1271.4	1397.1	1568.1	1652.4
8°	1113.0	1175.1	1332.6	1544.2	1656.4
9°	998.5	1074.0	1264.2	1515.6	1658.0
10°	888.7	968.2	1189.4	1483.0	1659.6
11°	778.9	861.6	1108.3	1451.2	1653.2
12°	685.8	764.6	1023.1	1417.7	1643.7
13°	599.9	676.3	938.8	1378.0	1619.0
14°	520.3	595.1	857.6	1331.8	1586.4
15°	447.1	518.7	778.1	1280.9	1549.0
16°	381.1	447.9	701.7	1224.4	1507.6
17°	333.4	386.7	630.1	1164.7	1467.1
18°	296.0	335.7	562.5	1105.9	1424.1
19°	262.5	294.4	499.6	1044.6	1376.4
20°	232.3	261.0	442.3	981.0	1325.5
21°	206.9	231.5	389.0	918.1	1273.7
22°	184.6	206.1	341.3	856.1	1217.3
23°	163.9	183.0	300.7	793.2	1160.8
24°	144.0	164.7	264.9	729.6	1101.9
25°	124.9	145.6	233.9	668.3	1039.8
26°	109.8	128.9	207.6	608.6	975.4
27°	94.7	114.6	184.6	551.3	910.2
28°	82.7	101.0	163.9	496.4	839.3
29°	71.6	89.1	144.8	442.3	766.9
30°	63.6	77.2	127.3	391.4	692.2
32.5°	43.8	51.7	89.1	275.3	505.2
35°	26.3	32.6	58.1	176.6	341.3
37.5°	14.3	17.5	33.4	105.8	214.8
40°	7.2	8.8	15.9	51.7	120.9
42.5°	3.2	4.0	7.2	19.9	51.7
45°	1.6	2.4	4.0	8.0	16.7
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)