

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: P1178923

Luminaire Tested: LDA2B109030R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178923
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 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

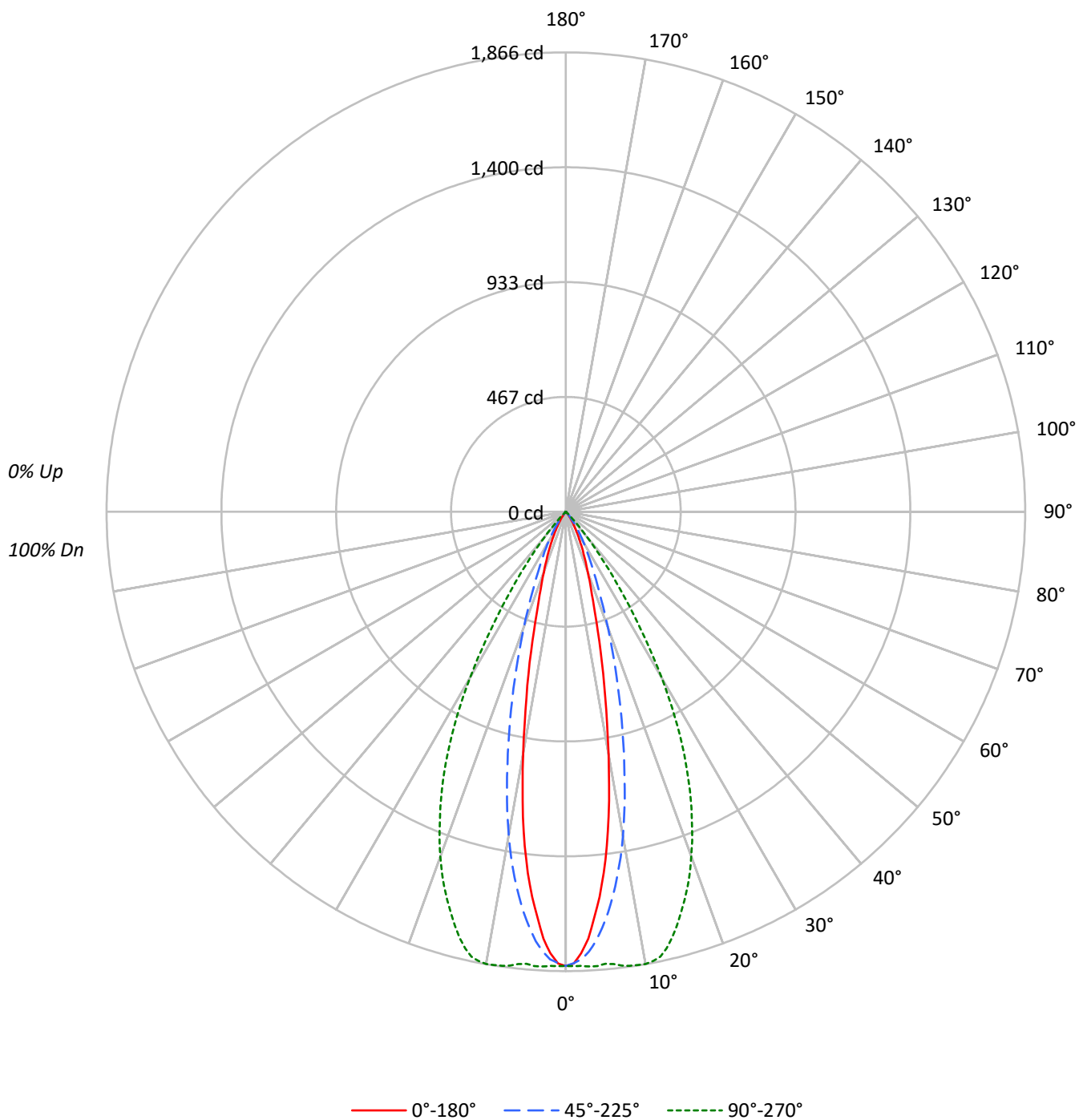
Lumens per Lamp: N/A
Luminaire Lumens: 734.9 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	910302	910302	910302
5°	777339	840235	912888
10°	500472	669851	934615
15°	256711	446767	889396
20°	137136	261095	782287
25°	76429	143113	636308
30°	40732	81522	443272
35°	17767	39329	231096
40°	5152	11528	87525
45°	1256	3140	13117
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: 13117 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.3	20.7
10°-20°	277.2	37.7
20°-30°	210.1	28.6
30°-40°	84.1	11.4
40°-50°	8.5	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°	639.6	87.0
0°-40°	723.7	98.5
0°-60°	733.1	99.8
0°-90°	734.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	734.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1845	1845	1845	1845	1845	
5°	1570	1604	1697	1795	1843	131
15°	503	583	875	1440	1741	144
25°	140	164	263	751	1169	67
35°	30	37	65	198	384	20
45°	2	3	4	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°	1845.1	1845.1	1845.1	1845.1	1845.1
1°	1835.2	1836.1	1834.3	1837.0	1846.0
2°	1794.1	1807.5	1819.1	1830.8	1846.0
3°	1736.8	1752.9	1789.6	1826.3	1849.5
4°	1652.8	1685.9	1748.5	1815.5	1849.5
5°	1569.6	1604.5	1696.6	1795.0	1843.3
6°	1474.8	1524.9	1636.7	1775.3	1846.9
7°	1367.5	1429.2	1570.5	1762.8	1857.6
8°	1251.2	1321.0	1498.1	1736.0	1862.1
9°	1122.4	1207.4	1421.1	1703.8	1863.8
10°	999.0	1088.4	1337.1	1667.1	1865.6
11°	875.6	968.6	1245.8	1631.3	1858.5
12°	770.9	859.5	1150.1	1593.7	1847.7
13°	674.3	760.2	1055.3	1549.0	1820.0
14°	584.9	669.0	964.1	1497.2	1783.4
15°	502.6	583.1	874.7	1439.9	1741.3
16°	428.4	503.5	788.8	1376.4	1694.8
17°	374.7	434.7	708.3	1309.3	1649.2
18°	332.7	377.4	632.3	1243.2	1600.9
19°	295.1	330.9	561.7	1174.3	1547.2
20°	261.2	293.3	497.3	1102.7	1490.0
21°	232.5	260.3	437.3	1032.1	1431.9
22°	207.5	231.6	383.7	962.3	1368.4
23°	184.2	205.7	338.1	891.7	1304.9
24°	161.9	185.1	297.8	820.1	1238.7
25°	140.4	163.7	262.9	751.3	1168.9
26°	123.4	144.9	233.4	684.2	1096.5
27°	106.4	128.8	207.5	619.8	1023.1
28°	93.0	113.6	184.2	558.1	943.5
29°	80.5	100.2	162.8	497.3	862.2
30°	71.5	86.8	143.1	440.0	778.1
32.5°	49.2	58.1	100.2	309.4	567.9
35°	29.5	36.7	65.3	198.5	383.7
37.5°	16.1	19.7	37.6	118.9	241.5
40°	8.0	9.8	17.9	58.1	135.9
42.5°	3.6	4.5	8.0	22.4	58.1
45°	1.8	2.7	4.5	8.9	18.8
47.5°	0.9	1.8	1.8	3.6	5.4
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)