

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: P1179040

Luminaire Tested: LDA2B109050R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179040
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 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

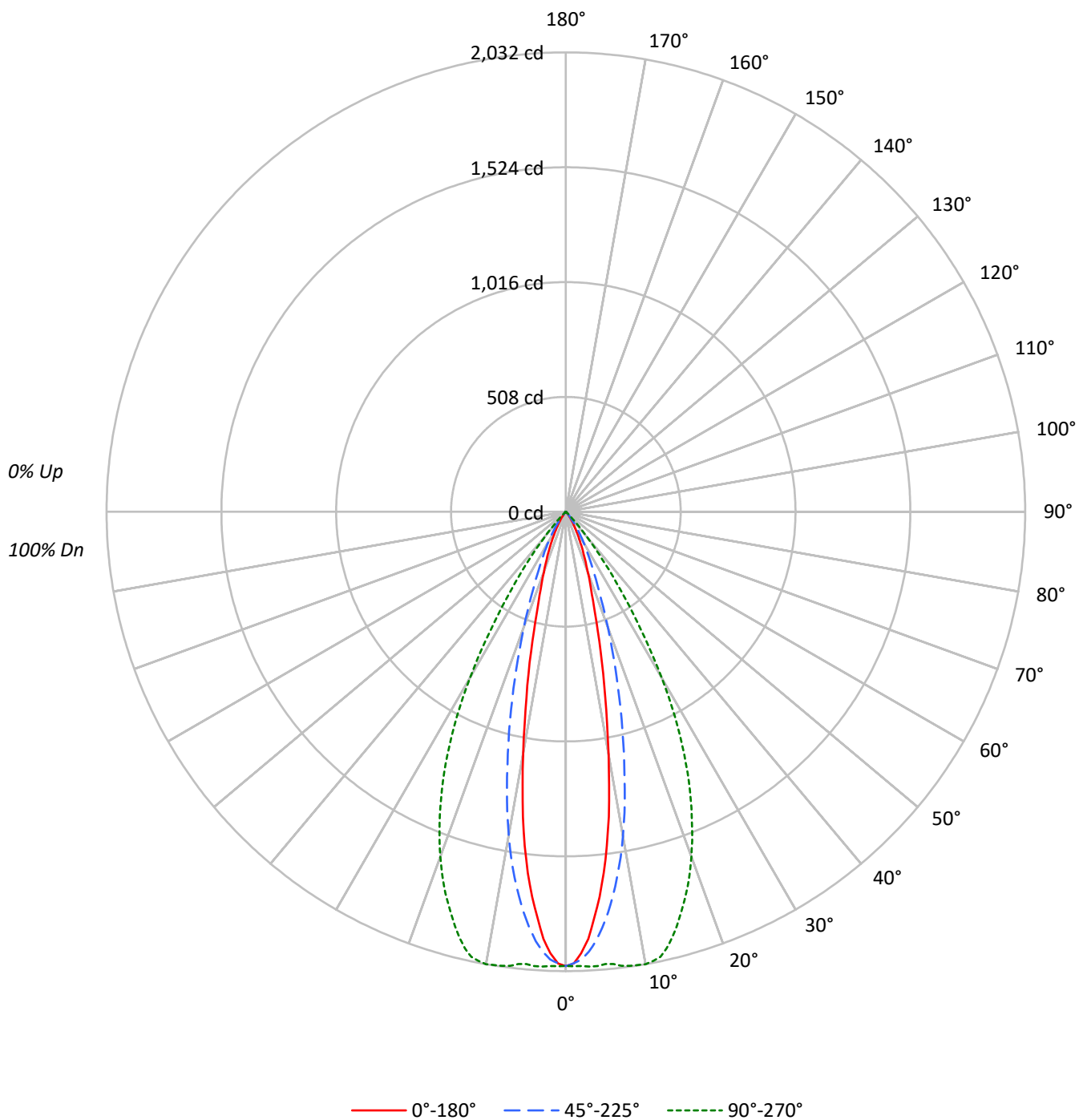
Lumens per Lamp: N/A
Luminaire Lumens: 800.6 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	110	108	112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	106	102	99	108	104	101	98		101	98	96		98	96	94		95	93	92
3	105	100	96	92	103	99	95	92		96	93	90		94	91	89		91	89	87
4	101	95	90	87	99	94	89	86		92	88	85		90	87	84		88	85	83
5	97	90	85	82	96	89	85	81		88	84	81		86	83	80		85	82	79
6	93	86	81	77	92	85	81	77		84	80	77		82	79	76		81	78	76
7	90	82	77	74	89	81	77	73		80	76	73		79	75	73		78	75	72
8	86	79	74	70	85	78	73	70		77	73	70		76	72	69		75	72	69
9	83	75	70	67	82	75	70	67		74	70	67		73	69	66		72	69	66
10	80	72	67	64	79	72	67	64		71	67	64		70	66	64		70	66	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	991509	991509	991509
5°	846723	915215	994356
10°	545158	729617	1018027
15°	279644	486606	968769
20°	149370	284353	852115
25°	83233	155906	693085
30°	44378	88814	482808
35°	19333	42822	251694
40°	5668	12559	95382
45°	1326	3419	14303
50°	768	768	1458
55°	860	860	860
60°	0	987	987
65°	0	1167	1167
70°	0	1442	1442
75°	0	1906	1906
80°	0	2841	2841
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 14303 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	20.7
10°-20°	302.0	37.7
20°-30°	228.9	28.6
30°-40°	91.6	11.4
40°-50°	9.3	1.2
50°-60°	1.0	0.1
60°-70°	0.9	0.1
70°-80°	0.9	0.1
80°-90°	0.3	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°	696.7	87.0
0°-40°	788.3	98.5
0°-60°	798.6	99.7
0°-90°	800.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	800.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2010	2010	2010	2010	2010	
5°	1710	1748	1848	1955	2008	143
15°	548	635	953	1568	1897	157
25°	153	178	286	818	1273	72
35°	32	40	71	216	418	22
45°	2	3	5	10	20	2
55°	1	1	1	1	1	1
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2009.7	2009.7	2009.7	2009.7	2009.7
1°	1999.0	2000.0	1998.0	2001.0	2010.7
2°	1954.2	1968.8	1981.5	1994.1	2010.7
3°	1891.8	1909.4	1949.3	1989.3	2014.6
4°	1800.3	1836.3	1904.5	1977.6	2014.6
5°	1709.7	1747.7	1848.0	1955.2	2007.8
6°	1606.4	1661.0	1782.7	1933.7	2011.7
7°	1489.5	1556.7	1710.7	1920.1	2023.4
8°	1362.9	1438.9	1631.7	1890.9	2028.2
9°	1222.6	1315.1	1548.0	1855.8	2030.2
10°	1088.2	1185.6	1456.4	1815.9	2032.1
11°	953.7	1055.0	1357.0	1776.9	2024.3
12°	839.7	936.2	1252.8	1736.0	2012.6
13°	734.5	828.0	1149.5	1687.3	1982.4
14°	637.1	728.7	1050.2	1630.8	1942.5
15°	547.5	635.2	952.7	1568.4	1896.7
16°	466.6	548.5	859.2	1499.3	1846.1
17°	408.2	473.4	771.5	1426.2	1796.4
18°	362.4	411.1	688.7	1354.1	1743.8
19°	321.5	360.4	611.8	1279.1	1685.3
20°	284.5	319.5	541.6	1201.2	1623.0
21°	253.3	283.5	476.4	1124.2	1559.7
22°	226.0	252.3	417.9	1048.2	1490.5
23°	200.7	224.1	368.2	971.3	1421.3
24°	176.3	201.7	324.4	893.3	1349.2
25°	152.9	178.3	286.4	818.3	1273.2
26°	134.4	157.8	254.3	745.2	1194.3
27°	115.9	140.3	226.0	675.1	1114.5
28°	101.3	123.7	200.7	607.9	1027.8
29°	87.7	109.1	177.3	541.6	939.1
30°	77.9	94.5	155.9	479.3	847.5
32.5°	53.6	63.3	109.1	337.1	618.6
35°	32.1	39.9	71.1	216.3	417.9
37.5°	17.5	21.4	40.9	129.6	263.0
40°	8.8	10.7	19.5	63.3	148.1
42.5°	3.9	4.9	8.8	24.4	63.3
45°	1.9	2.9	4.9	9.7	20.5
47.5°	1.0	1.9	1.9	3.9	5.8
50°	1.0	1.0	1.0	1.9	1.9
52.5°	1.0	1.0	1.0	1.9	1.9
55°	1.0	1.0	1.0	1.0	1.0
57.5°	0.0	1.0	1.0	1.0	1.0
60°	0.0	1.0	1.0	1.0	1.0
62.5°	0.0	1.0	1.0	1.0	1.0
65°	0.0	1.0	1.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.0	1.0	1.0	1.0
70°	0.0	1.0	1.0	1.0	1.0
72.5°	0.0	1.0	1.0	1.0	1.0
75°	0.0	1.0	1.0	1.0	1.0
77.5°	0.0	1.0	1.0	1.0	1.0
80°	0.0	0.0	1.0	1.0	1.0
82.5°	0.0	0.0	1.0	1.0	1.0
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)