

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: P1179577

Luminaire Tested: LDA2B159727R2060D010 2LBD1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179577
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: LDA2B159727R2060D010 2LBD1MB
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

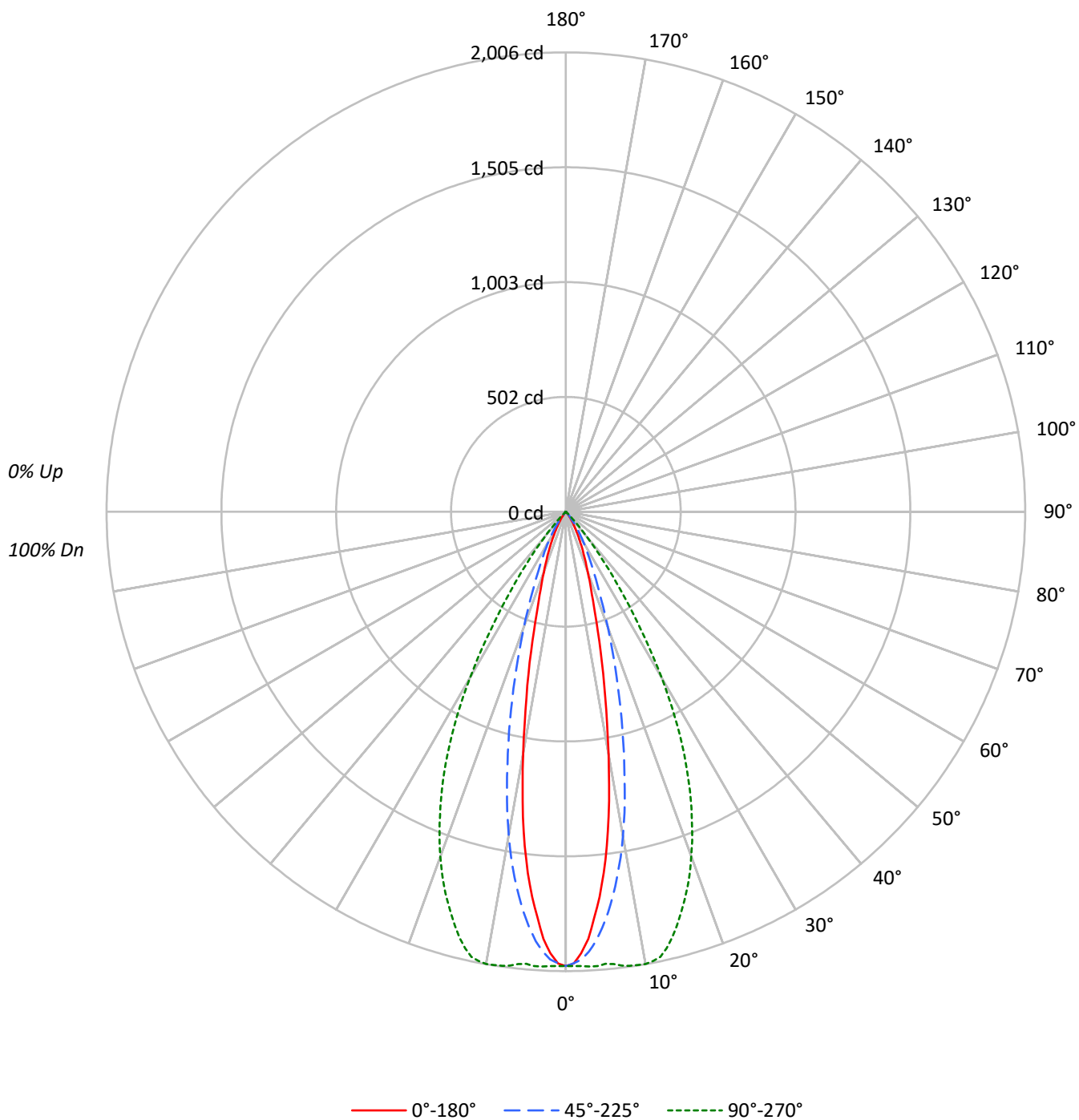
Lumens per Lamp: N/A
Luminaire Lumens: 790.2 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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

TEST NUMBER: P1179577

CATALOG NUMBER: LDA2B159727R2060D010 2LBD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1179577

CATALOG NUMBER: LDA2B159727R2060D010 2LBD1MB

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°	978682	978682	978682
5°	835728	903329	981430
10°	538045	720148	1004851
15°	276018	480324	956204
20°	147427	280678	841037
25°	82199	153892	684103
30°	43809	87618	476542
35°	19092	42280	248442
40°	5603	12366	94158
45°	1326	3349	14094
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: 14094 cd/sqm

TEST NUMBER: P1179577

CATALOG NUMBER: LDA2B159727R2060D010 2LBD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.7	20.7
10°-20°	298.0	37.7
20°-30°	225.9	28.6
30°-40°	90.4	11.4
40°-50°	9.2	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°	687.7	87.0
0°-40°	778.1	98.5
0°-60°	788.2	99.7
0°-90°	790.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	790.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1984	1984	1984	1984	1984	
5°	1688	1725	1824	1930	1982	141
15°	540	627	940	1548	1872	155
25°	151	176	283	808	1257	72
35°	32	39	70	214	412	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	0

TEST NUMBER: P1179577

CATALOG NUMBER: LDA2B159727R2060D010 2LBD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1983.7	1983.7	1983.7	1983.7	1983.7
1°	1973.1	1974.0	1972.1	1975.0	1984.6
2°	1928.8	1943.3	1955.8	1968.3	1984.6
3°	1867.3	1884.6	1924.0	1963.5	1988.5
4°	1776.9	1812.5	1879.8	1951.9	1988.5
5°	1687.5	1725.0	1824.0	1929.8	1981.7
6°	1585.6	1639.4	1759.6	1908.7	1985.6
7°	1470.2	1536.5	1688.5	1895.2	1997.1
8°	1345.2	1420.2	1610.6	1866.3	2001.9
9°	1206.7	1298.1	1527.9	1831.7	2003.8
10°	1074.0	1170.2	1437.5	1792.3	2005.8
11°	941.3	1041.3	1339.4	1753.8	1998.1
12°	828.8	924.0	1236.5	1713.5	1986.5
13°	725.0	817.3	1134.6	1665.4	1956.7
14°	628.8	719.2	1036.5	1609.6	1917.3
15°	540.4	626.9	940.4	1548.1	1872.1
16°	460.6	541.3	848.1	1479.8	1822.1
17°	402.9	467.3	761.5	1407.7	1773.1
18°	357.7	405.8	679.8	1336.5	1721.2
19°	317.3	355.8	603.8	1262.5	1663.5
20°	280.8	315.4	534.6	1185.6	1601.9
21°	250.0	279.8	470.2	1109.6	1539.4
22°	223.1	249.0	412.5	1034.6	1471.2
23°	198.1	221.2	363.5	958.7	1402.9
24°	174.0	199.0	320.2	881.7	1331.7
25°	151.0	176.0	282.7	807.7	1256.7
26°	132.7	155.8	251.0	735.6	1178.8
27°	114.4	138.5	223.1	666.3	1100.0
28°	100.0	122.1	198.1	600.0	1014.4
29°	86.5	107.7	175.0	534.6	926.9
30°	76.9	93.3	153.8	473.1	836.5
32.5°	52.9	62.5	107.7	332.7	610.6
35°	31.7	39.4	70.2	213.5	412.5
37.5°	17.3	21.2	40.4	127.9	259.6
40°	8.7	10.6	19.2	62.5	146.2
42.5°	3.8	4.8	8.7	24.0	62.5
45°	1.9	2.9	4.8	9.6	20.2
47.5°	1.0	1.9	1.9	3.8	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



TEST NUMBER: P1179577

CATALOG NUMBER: LDA2B159727R2060D010 2LBD1MB

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)