

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: P1179303

Luminaire Tested: LDA2B158050R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179303
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: LDA2B158050R2060D010 2LBD1LI
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

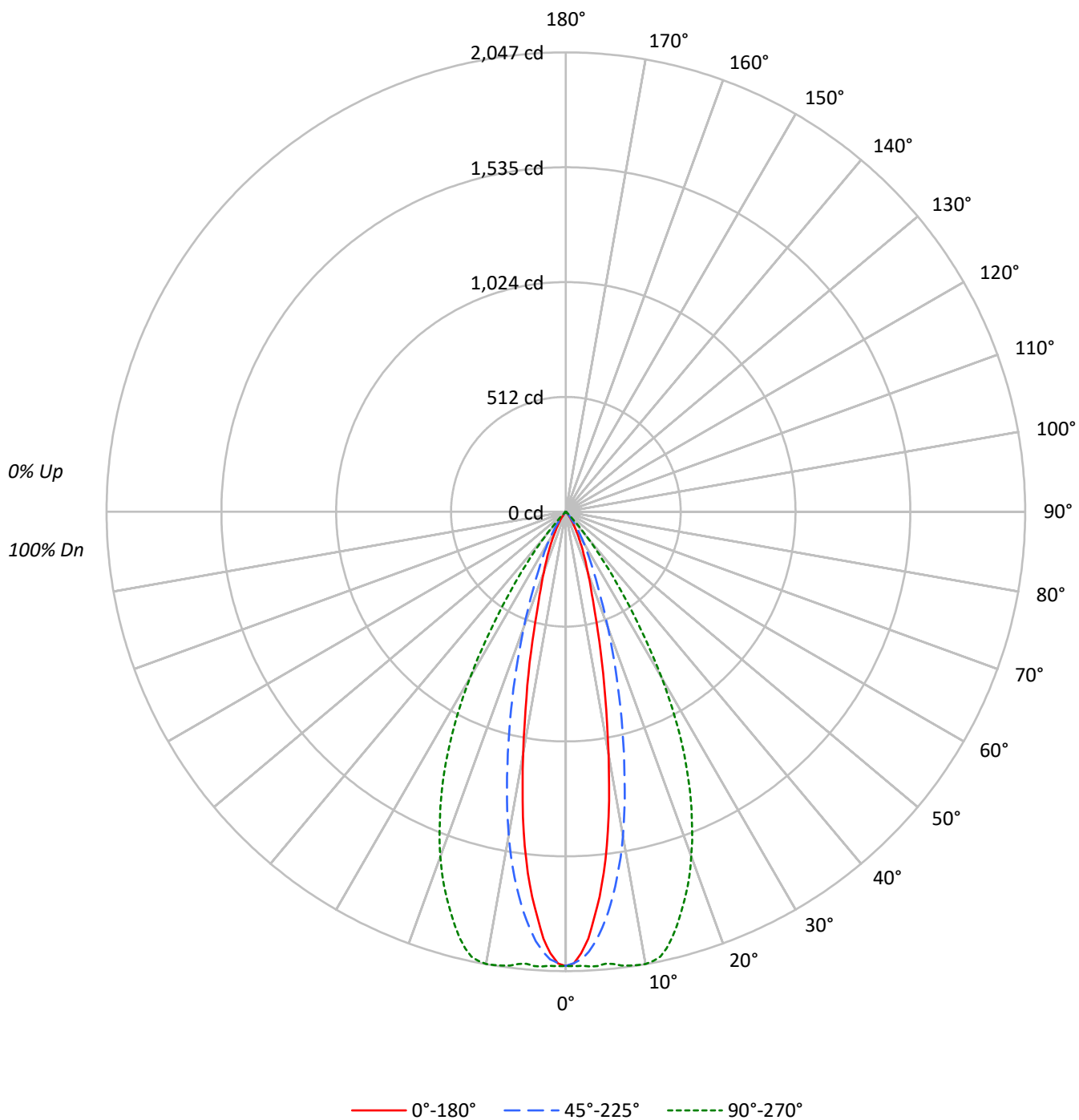
Lumens per Lamp: N/A
Luminaire Lumens: 806.3 lumens
Efficiency: N/A
Efficacy: 57.2 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1179303

CATALOG NUMBER: LDA2B158050R2060D010 2LBD1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1179303

CATALOG NUMBER: LDA2B158050R2060D010 2LBD1LI

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°	998564	998564	998564
5°	852715	921703	1001388
10°	549016	734777	1025291
15°	281636	490080	975665
20°	150420	286401	858153
25°	83832	156995	698039
30°	44720	89441	486226
35°	19514	43124	253501
40°	5668	12623	96026
45°	1395	3419	14373
50°	768	768	1535
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: 14373 cd/sqm

TEST NUMBER: P1179303

CATALOG NUMBER: LDA2B158050R2060D010 2LBD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.1	20.7
10°-20°	304.1	37.7
20°-30°	230.5	28.6
30°-40°	92.2	11.4
40°-50°	9.4	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°	701.7	87.0
0°-40°	793.9	98.5
0°-60°	804.2	99.8
0°-90°	806.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	806.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2024	2024	2024	2024	2024	
5°	1722	1760	1861	1969	2022	144
15°	551	640	960	1580	1910	158
25°	154	180	288	824	1282	73
35°	32	40	72	218	421	22
45°	2	3	5	10	21	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: P1179303

CATALOG NUMBER: LDA2B158050R2060D010 2LBD1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2024.0	2024.0	2024.0	2024.0	2024.0
1°	2013.2	2014.2	2012.2	2015.2	2025.0
2°	1968.1	1982.8	1995.5	2008.3	2025.0
3°	1905.3	1922.9	1963.2	2003.4	2028.9
4°	1813.1	1849.4	1918.0	1991.6	2028.9
5°	1721.8	1760.1	1861.1	1969.0	2022.0
6°	1617.8	1672.8	1795.4	1947.5	2025.9
7°	1500.1	1567.8	1722.8	1933.7	2037.7
8°	1372.5	1449.1	1643.3	1904.3	2042.6
9°	1231.3	1324.5	1559.0	1869.0	2044.6
10°	1095.9	1194.0	1466.7	1828.8	2046.6
11°	960.5	1062.5	1366.7	1789.5	2038.7
12°	845.7	942.8	1261.7	1748.3	2026.9
13°	739.7	833.9	1157.7	1699.2	1996.5
14°	641.6	733.9	1057.6	1642.3	1956.3
15°	551.4	639.7	959.5	1579.6	1910.2
16°	469.9	552.4	865.3	1509.9	1859.2
17°	411.1	476.8	777.0	1436.3	1809.1
18°	365.0	414.0	693.6	1363.7	1756.1
19°	323.8	363.0	616.1	1288.2	1697.3
20°	286.5	321.8	545.5	1209.7	1634.5
21°	255.1	285.5	479.8	1132.2	1570.7
22°	227.6	254.1	420.9	1055.7	1501.1
23°	202.1	225.7	370.9	978.1	1431.4
24°	177.6	203.1	326.7	899.7	1358.8
25°	154.0	179.5	288.4	824.1	1282.3
26°	135.4	158.9	256.1	750.5	1202.8
27°	116.7	141.3	227.6	679.9	1122.4
28°	102.0	124.6	202.1	612.2	1035.0
29°	88.3	109.9	178.6	545.5	945.8
30°	78.5	95.2	157.0	482.7	853.5
32.5°	54.0	63.8	109.9	339.5	623.0
35°	32.4	40.2	71.6	217.8	420.9
37.5°	17.7	21.6	41.2	130.5	264.9
40°	8.8	10.8	19.6	63.8	149.1
42.5°	3.9	4.9	8.8	24.5	63.8
45°	2.0	2.9	4.9	9.8	20.6
47.5°	1.0	2.0	2.0	3.9	5.9
50°	1.0	1.0	1.0	2.0	2.0
52.5°	1.0	1.0	1.0	2.0	2.0
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: P1179303

CATALOG NUMBER: LDA2B158050R2060D010 2LBD1LI

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)