

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: P1179350

Luminaire Tested: LDA2B159024R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179350
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: LDA2B159024R2060D010 2LBDC1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

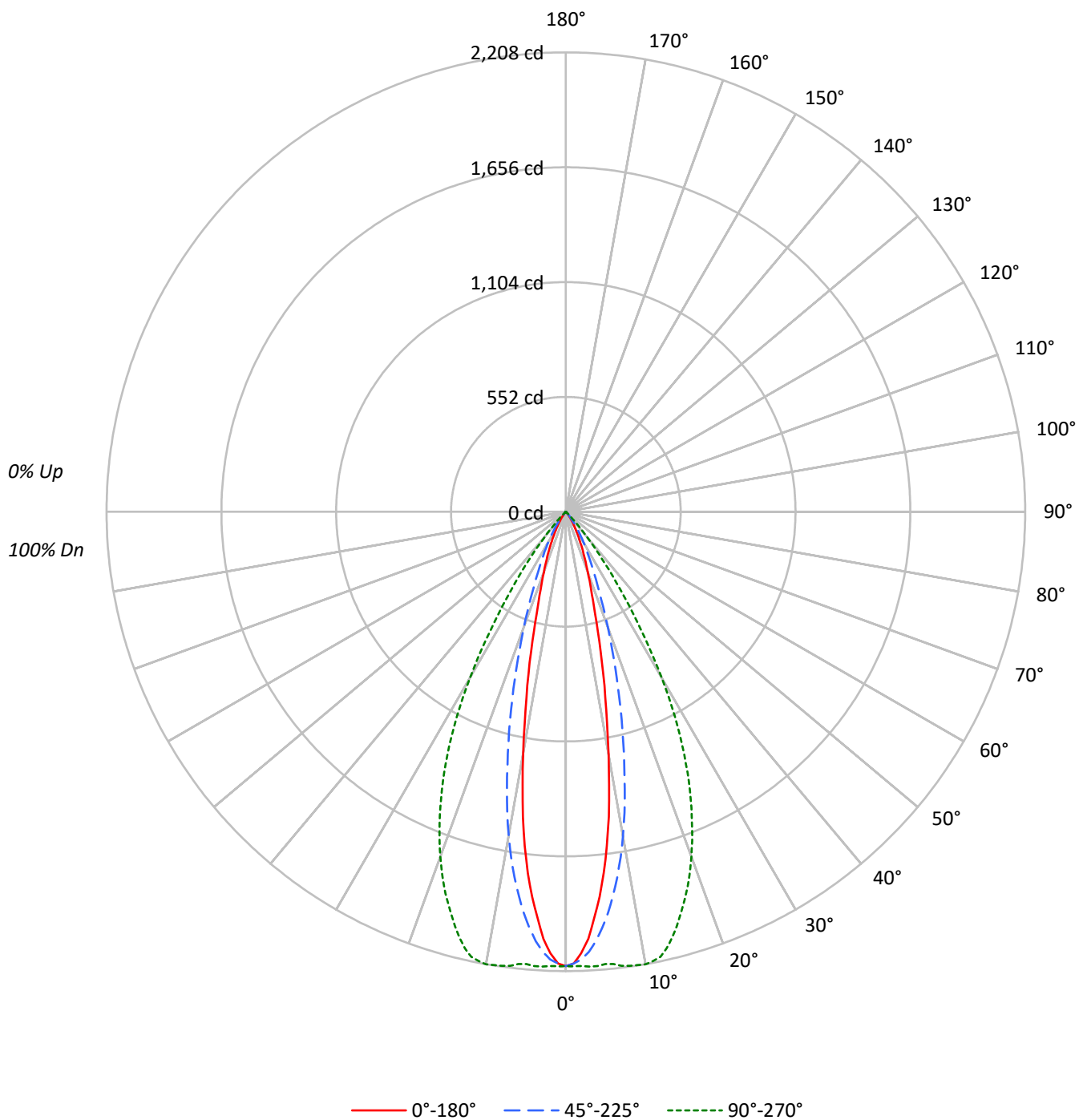
Lumens per Lamp: N/A
Luminaire Lumens: 870.0 lumens
Efficiency: N/A
Efficacy: 61.7 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1179350

CATALOG NUMBER: LDA2B159024R2060D010 2LBDC1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1179350

CATALOG NUMBER: LDA2B159024R2060D010 2LBDC1MMS

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°	1077453	1077453	1077453
5°	920118	994554	1080528
10°	592400	792839	1106298
15°	303855	528796	1052739
20°	162285	309030	925933
25°	90473	169406	753183
30°	48252	96505	524680
35°	21020	46557	273497
40°	6118	13654	103626
45°	1465	3698	15489
50°	844	844	1612
55°	946	946	946
60°	0	1085	1085
65°	0	1284	1284
70°	0	1587	1587
75°	0	2097	2097
80°	0	3125	3125
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 15489 cd/sqm

TEST NUMBER: P1179350

CATALOG NUMBER: LDA2B159024R2060D010 2LBDC1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.2	20.7
10°-20°	328.1	37.7
20°-30°	248.7	28.6
30°-40°	99.5	11.4
40°-50°	10.1	1.2
50°-60°	1.1	0.1
60°-70°	1.0	0.1
70°-80°	1.0	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°	757.1	87.0
0°-40°	856.6	98.5
0°-60°	867.8	99.7
0°-90°	870.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	870.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2184	2184	2184	2184	2184	
5°	1858	1899	2008	2125	2182	156
15°	595	690	1035	1704	2061	170
25°	166	194	311	889	1384	79
35°	35	43	77	235	454	24
45°	2	3	5	11	22	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: P1179350

CATALOG NUMBER: LDA2B159024R2060D010 2LBDC1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2183.9	2183.9	2183.9	2183.9	2183.9
1°	2172.3	2173.3	2171.2	2174.4	2185.0
2°	2123.6	2139.4	2153.2	2167.0	2185.0
3°	2055.8	2074.9	2118.3	2161.7	2189.2
4°	1956.3	1995.5	2069.6	2149.0	2189.2
5°	1857.9	1899.1	2008.2	2124.6	2181.8
6°	1745.6	1804.9	1937.3	2101.3	2186.0
7°	1618.6	1691.7	1858.9	2086.5	2198.7
8°	1481.0	1563.6	1773.2	2054.8	2204.0
9°	1328.6	1429.1	1682.1	2016.6	2206.1
10°	1182.5	1288.3	1582.6	1973.2	2208.3
11°	1036.4	1146.5	1474.6	1930.9	2199.8
12°	912.5	1017.3	1361.4	1886.4	2187.1
13°	798.2	899.8	1249.2	1833.5	2154.3
14°	692.3	791.8	1141.2	1772.1	2110.9
15°	594.9	690.2	1035.3	1704.4	2061.1
16°	507.1	596.0	933.7	1629.2	2006.1
17°	443.6	514.5	838.4	1549.8	1952.1
18°	393.8	446.7	748.4	1471.5	1894.9
19°	349.3	391.7	664.8	1390.0	1831.4
20°	309.1	347.2	588.6	1305.3	1763.6
21°	275.2	308.1	517.7	1221.6	1694.8
22°	245.6	274.2	454.1	1139.1	1619.7
23°	218.1	243.5	400.2	1055.4	1544.5
24°	191.6	219.1	352.5	970.7	1466.2
25°	166.2	193.7	311.2	889.2	1383.6
26°	146.1	171.5	276.3	809.8	1297.9
27°	126.0	152.4	245.6	733.6	1211.0
28°	110.1	134.4	218.1	660.6	1116.8
29°	95.3	118.6	192.7	588.6	1020.5
30°	84.7	102.7	169.4	520.8	921.0
32.5°	58.2	68.8	118.6	366.3	672.2
35°	34.9	43.4	77.3	235.0	454.1
37.5°	19.1	23.3	44.5	140.8	285.8
40°	9.5	11.6	21.2	68.8	160.9
42.5°	4.2	5.3	9.5	26.5	68.8
45°	2.1	3.2	5.3	10.6	22.2
47.5°	1.1	2.1	2.1	4.2	6.4
50°	1.1	1.1	1.1	2.1	2.1
52.5°	1.1	1.1	1.1	2.1	2.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	0.0	1.1	1.1	1.1	1.1
60°	0.0	1.1	1.1	1.1	1.1
62.5°	0.0	1.1	1.1	1.1	1.1
65°	0.0	1.1	1.1	1.1	1.1



TEST NUMBER: P1179350

CATALOG NUMBER: LDA2B159024R2060D010 2LBDC1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.1	1.1	1.1	1.1
70°	0.0	1.1	1.1	1.1	1.1
72.5°	0.0	1.1	1.1	1.1	1.1
75°	0.0	1.1	1.1	1.1	1.1
77.5°	0.0	1.1	1.1	1.1	1.1
80°	0.0	0.0	1.1	1.1	1.1
82.5°	0.0	0.0	1.1	1.1	1.1
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)