

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: P1179507

Luminaire Tested: LDA2B159040R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179507
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: LDA2B159040R2060D010 2LBDC1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

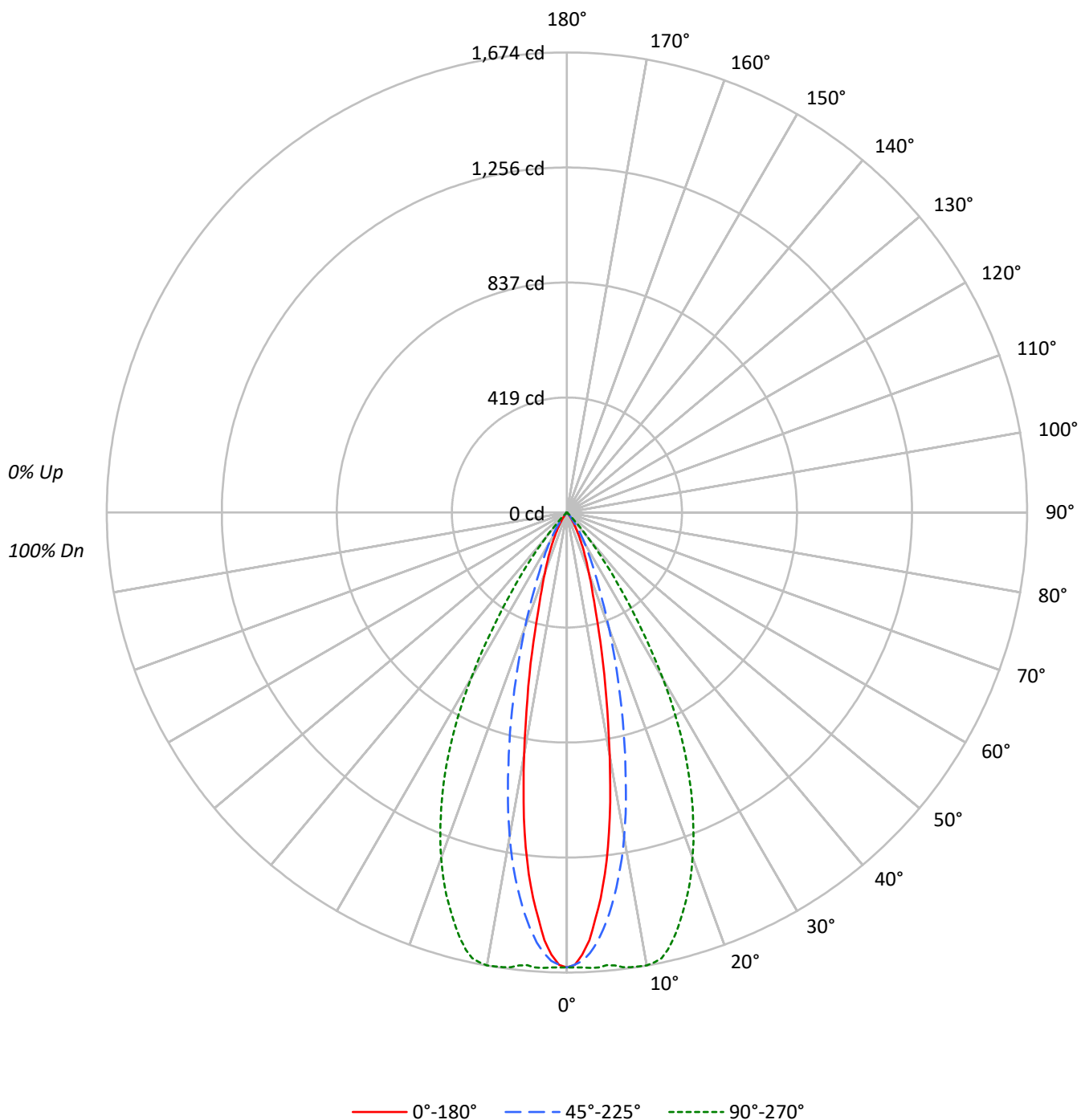
Lumens per Lamp: N/A
Luminaire Lumens: 659.4 lumens
Efficiency: N/A
Efficacy: 46.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1179507

CATALOG NUMBER: LDA2B159040R2060D010 2LBDC1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1179507

CATALOG NUMBER: LDA2B159040R2060D010 2LBDC1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	93	92	90
3	105	100	96	92	103	99	95	92	96	93	90		94	91	89		91	89	87	86
4	101	95	90	87	99	94	89	86	92	88	85		90	87	84		88	85	83	82
5	97	90	85	82	96	89	85	81	88	84	81		86	83	80		85	82	79	78
6	93	86	81	77	92	85	81	77	84	80	77		82	79	76		81	78	76	74
7	90	82	77	74	89	81	77	73	80	76	73		79	75	73		78	75	72	71
8	86	79	74	70	85	78	73	70	77	73	70		76	72	69		75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67		73	69	66		72	69	66	65
10	80	72	67	64	79	72	67	64	71	67	64		70	66	64		70	66	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	816711	816711	816711
5°	697455	753864	819038
10°	449022	600967	838578
15°	230355	400849	798020
20°	123013	234266	701905
25°	68590	128416	570929
30°	36574	73148	397697
35°	15961	35294	207306
40°	4637	10305	78573
45°	1116	2791	11791
50°	614	614	1228
55°	688	688	688
60°	0	789	789
65°	0	934	934
70°	0	1154	1154
75°	0	1525	1525
80°	0	2273	2273
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 11791 cd/sqm

TEST NUMBER: P1179507

CATALOG NUMBER: LDA2B159040R2060D010 2LBDC1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.6	20.7
10°-20°	248.7	37.7
20°-30°	188.5	28.6
30°-40°	75.4	11.4
40°-50°	7.7	1.2
50°-60°	0.8	0.1
60°-70°	0.7	0.1
70°-80°	0.7	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°	573.9	87.0
0°-40°	649.3	98.5
0°-60°	657.8	99.8
0°-90°	659.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	659.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1655	1655	1655	1655	1655	
5°	1408	1440	1522	1610	1654	118
15°	451	523	785	1292	1562	129
25°	126	147	236	674	1049	60
35°	26	33	59	178	344	18
45°	2	2	4	8	17	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

TEST NUMBER: P1179507

CATALOG NUMBER: LDA2B159040R2060D010 2LBDC1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1655.4	1655.4	1655.4	1655.4	1655.4
1°	1646.6	1647.4	1645.8	1648.2	1656.2
2°	1609.7	1621.7	1632.2	1642.6	1656.2
3°	1558.3	1572.8	1605.7	1638.6	1659.4
4°	1482.9	1512.6	1568.8	1629.0	1659.4
5°	1408.3	1439.6	1522.2	1610.5	1653.8
6°	1323.2	1368.2	1468.5	1592.8	1657.0
7°	1226.9	1282.3	1409.1	1581.6	1666.7
8°	1122.6	1185.2	1344.1	1557.5	1670.7
9°	1007.1	1083.3	1275.1	1528.6	1672.3
10°	896.3	976.6	1199.6	1495.7	1673.9
11°	785.6	869.0	1117.8	1463.7	1667.5
12°	691.7	771.1	1031.9	1429.9	1657.8
13°	605.0	682.1	946.9	1389.8	1633.0
14°	524.8	600.2	865.0	1343.3	1600.1
15°	451.0	523.2	784.8	1291.9	1562.4
16°	384.4	451.8	707.8	1235.0	1520.6
17°	336.2	390.0	635.5	1174.8	1479.7
18°	298.5	338.6	567.3	1115.4	1436.4
19°	264.8	296.9	503.9	1053.6	1388.2
20°	234.3	263.2	446.2	989.4	1336.9
21°	208.6	233.5	392.4	926.0	1284.7
22°	186.2	207.8	344.2	863.4	1227.7
23°	165.3	184.6	303.3	800.0	1170.8
24°	145.2	166.1	267.2	735.8	1111.4
25°	126.0	146.8	235.9	674.1	1048.8
26°	110.7	130.0	209.4	613.9	983.8
27°	95.5	115.6	186.2	556.1	918.0
28°	83.5	101.9	165.3	500.7	846.6
29°	72.2	89.9	146.0	446.2	773.6
30°	64.2	77.8	128.4	394.8	698.1
32.5°	44.1	52.2	89.9	277.6	509.5
35°	26.5	32.9	58.6	178.1	344.2
37.5°	14.4	17.7	33.7	106.7	216.7
40°	7.2	8.8	16.0	52.2	122.0
42.5°	3.2	4.0	7.2	20.1	52.2
45°	1.6	2.4	4.0	8.0	16.9
47.5°	0.8	1.6	1.6	3.2	4.8
50°	0.8	0.8	0.8	1.6	1.6
52.5°	0.8	0.8	0.8	1.6	1.6
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.0	0.8	0.8	0.8	0.8
60°	0.0	0.8	0.8	0.8	0.8
62.5°	0.0	0.8	0.8	0.8	0.8
65°	0.0	0.8	0.8	0.8	0.8



TEST NUMBER: P1179507

CATALOG NUMBER: LDA2B159040R2060D010 2LBDC1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.8	0.8	0.8	0.8
70°	0.0	0.8	0.8	0.8	0.8
72.5°	0.0	0.8	0.8	0.8	0.8
75°	0.0	0.8	0.8	0.8	0.8
77.5°	0.0	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.8	0.8	0.8
82.5°	0.0	0.0	0.8	0.8	0.8
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)