

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: P1178497

Luminaire Tested: LDA2B059040R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178497
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: LDA2B059040R2060D010 2LBDC1MB
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

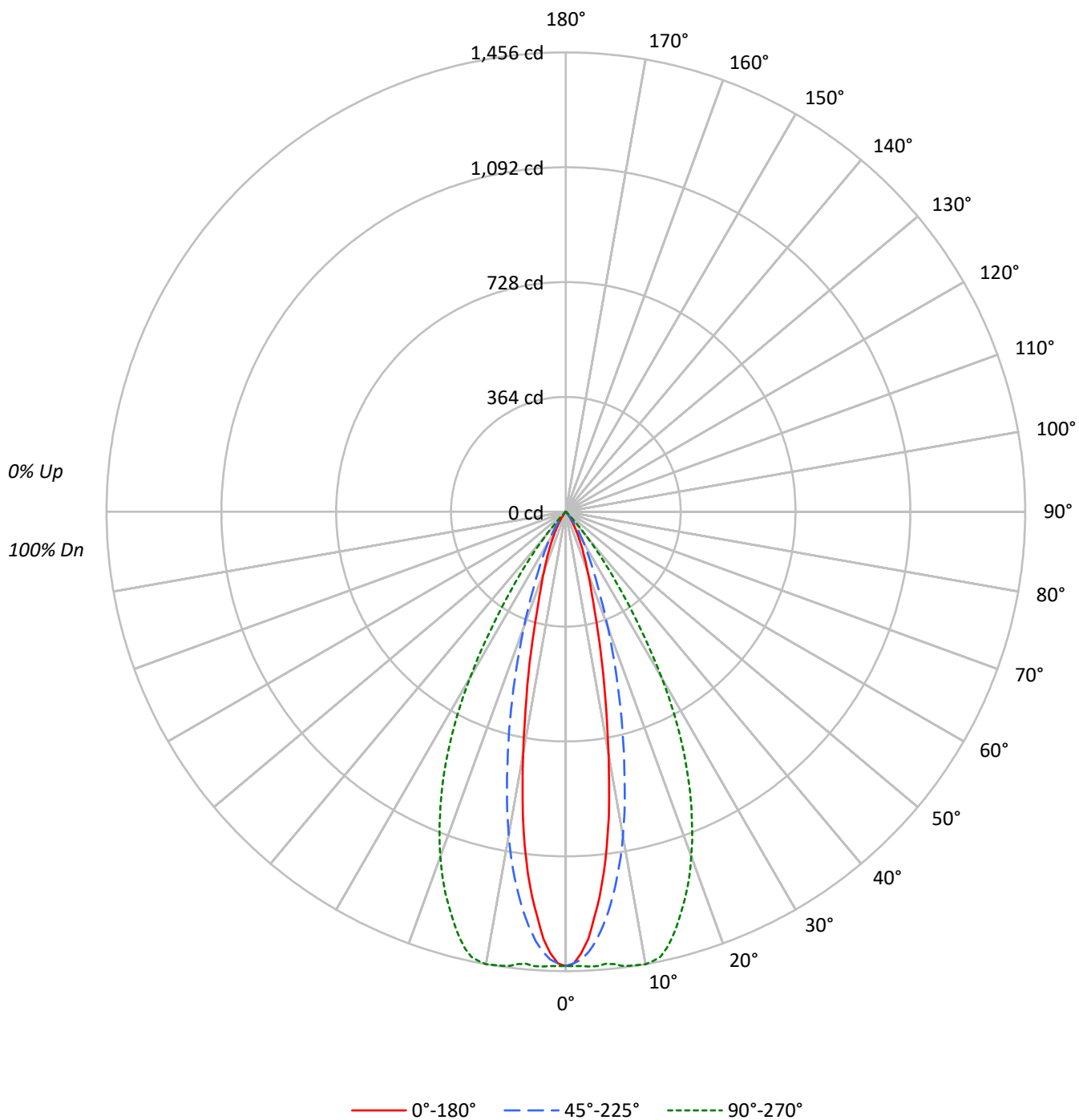
Lumens per Lamp: N/A
Luminaire Lumens: 573.6 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
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: P1178497

CATALOG NUMBER: LDA2B059040R2060D010 2LBDC1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1178497

CATALOG NUMBER: LDA2B059040R2060D010 2LBDC1MB

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°	710392	710392	710392
5°	606627	655706	712412
10°	390558	522765	729416
15°	200373	348649	694080
20°	107000	203762	610499
25°	59662	111704	496569
30°	31788	63634	345913
35°	13853	30716	180324
40°	4057	9017	68332
45°	977	2442	10256
50°	537	537	1075
55°	602	602	602
60°	0	691	691
65°	0	817	817
70°	0	1010	1010
75°	0	1334	1334
80°	0	1989	1989
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 10256 cd/sqm

TEST NUMBER: P1178497

CATALOG NUMBER: LDA2B059040R2060D010 2LBDC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	20.7
10°-20°	216.3	37.7
20°-30°	164.0	28.6
30°-40°	65.6	11.4
40°-50°	6.7	1.2
50°-60°	0.7	0.1
60°-70°	0.6	0.1
70°-80°	0.6	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°	499.2	87.0
0°-40°	564.8	98.5
0°-60°	572.1	99.8
0°-90°	573.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	573.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1440	1440	1440	1440	1440	
5°	1225	1252	1324	1401	1438	103
15°	392	455	683	1124	1359	112
25°	110	128	205	586	912	52
35°	23	29	51	155	299	16
45°	1	2	4	7	15	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: P1178497

CATALOG NUMBER: LDA2B059040R2060D010 2LBDC1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1439.9	1439.9	1439.9	1439.9	1439.9
1°	1432.2	1432.9	1431.5	1433.6	1440.6
2°	1400.1	1410.6	1419.7	1428.7	1440.6
3°	1355.5	1368.0	1396.6	1425.3	1443.4
4°	1289.8	1315.7	1364.5	1416.9	1443.4
5°	1224.9	1252.2	1324.0	1400.8	1438.5
6°	1150.9	1190.0	1277.3	1385.5	1441.3
7°	1067.2	1115.4	1225.6	1375.7	1449.7
8°	976.5	1030.9	1169.1	1354.8	1453.2
9°	876.0	942.3	1109.1	1329.6	1454.6
10°	779.6	849.4	1043.5	1301.0	1456.0
11°	683.3	755.9	972.3	1273.1	1450.4
12°	601.6	670.7	897.6	1243.8	1442.0
13°	526.3	593.3	823.6	1208.9	1420.4
14°	456.5	522.1	752.4	1168.4	1391.7
15°	392.3	455.1	682.6	1123.7	1358.9
16°	334.3	393.0	615.6	1074.2	1322.6
17°	292.4	339.2	552.8	1021.8	1287.1
18°	259.6	294.5	493.5	970.2	1249.4
19°	230.3	258.2	438.3	916.4	1207.5
20°	203.8	228.9	388.1	860.6	1162.8
21°	181.5	203.1	341.3	805.5	1117.4
22°	161.9	180.8	299.4	751.0	1067.9
23°	143.8	160.5	263.8	695.9	1018.3
24°	126.3	144.5	232.4	640.0	966.7
25°	109.6	127.7	205.2	586.3	912.2
26°	96.3	113.1	182.2	533.9	855.7
27°	83.1	100.5	161.9	483.7	798.5
28°	72.6	88.6	143.8	435.5	736.4
29°	62.8	78.2	127.0	388.1	672.8
30°	55.8	67.7	111.7	343.4	607.2
32.5°	38.4	45.4	78.2	241.5	443.2
35°	23.0	28.6	51.0	154.9	299.4
37.5°	12.6	15.4	29.3	92.8	188.5
40°	6.3	7.7	14.0	45.4	106.1
42.5°	2.8	3.5	6.3	17.4	45.4
45°	1.4	2.1	3.5	7.0	14.7
47.5°	0.7	1.4	1.4	2.8	4.2
50°	0.7	0.7	0.7	1.4	1.4
52.5°	0.7	0.7	0.7	1.4	1.4
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.0	0.7	0.7	0.7	0.7
60°	0.0	0.7	0.7	0.7	0.7
62.5°	0.0	0.7	0.7	0.7	0.7
65°	0.0	0.7	0.7	0.7	0.7



TEST NUMBER: P1178497

CATALOG NUMBER: LDA2B059040R2060D010 2LBDC1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.7	0.7	0.7	0.7
70°	0.0	0.7	0.7	0.7	0.7
72.5°	0.0	0.7	0.7	0.7	0.7
75°	0.0	0.7	0.7	0.7	0.7
77.5°	0.0	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.7	0.7	0.7
82.5°	0.0	0.0	0.7	0.7	0.7
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)