

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: P1178536

Luminaire Tested: LDA2B059050R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178536
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: LDA2B059050R2060D010 2LBDC1MB
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

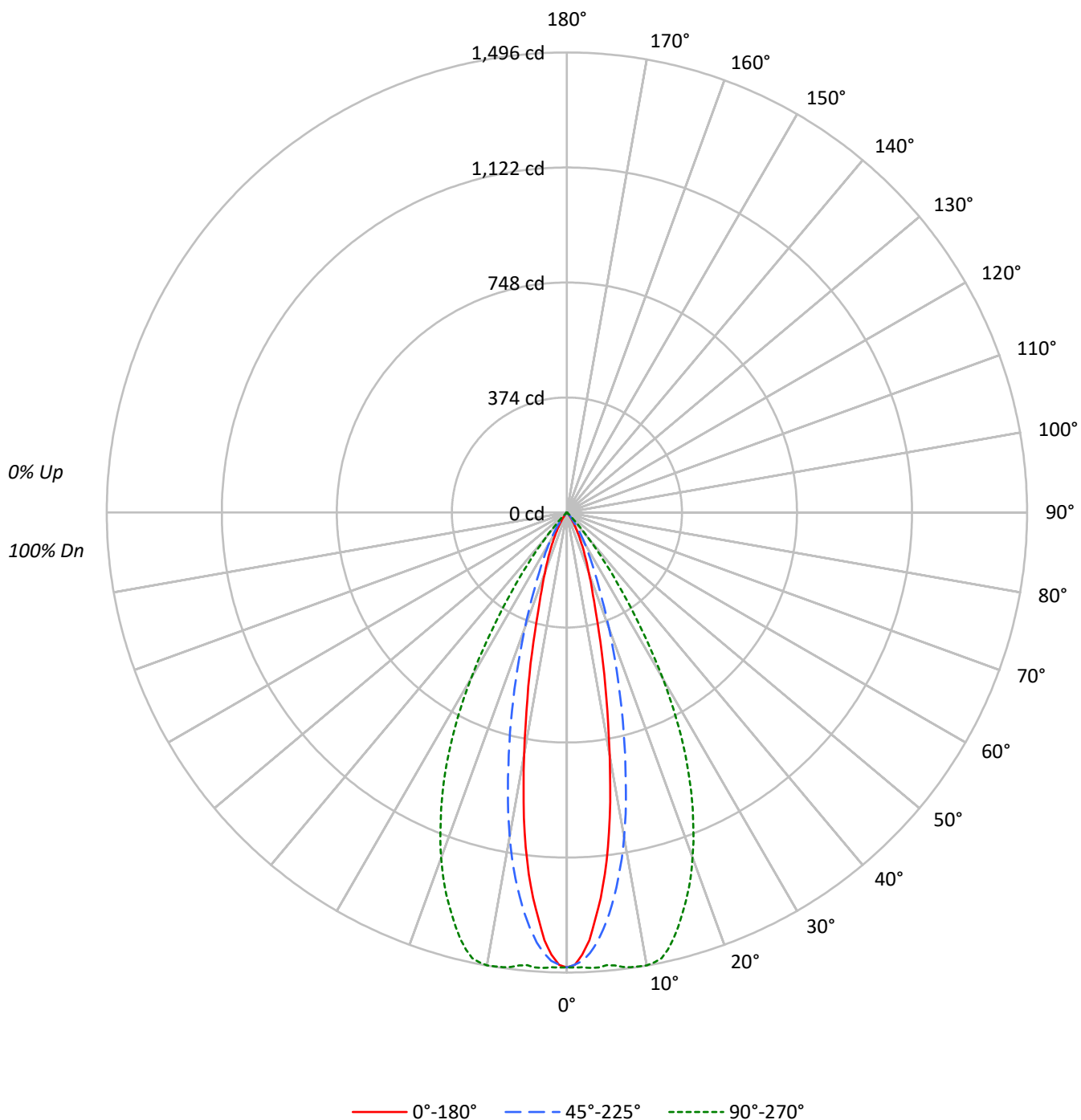
Lumens per Lamp: N/A
Luminaire Lumens: 589.2 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1178536

CATALOG NUMBER: LDA2B059050R2060D010 2LBDC1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1178536

CATALOG NUMBER: LDA2B059050R2060D010 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	83	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°	729830	729830	729830
5°	623218	673684	731925
10°	401279	537043	749355
15°	205839	358200	713080
20°	109940	209327	627194
25°	61295	114752	510178
30°	32700	65343	355370
35°	14274	31499	185262
40°	4186	9210	70200
45°	977	2512	10536
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: 10536 cd/sqm

TEST NUMBER: P1178536

CATALOG NUMBER: LDA2B059050R2060D010 2LBDC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.1	20.7
10°-20°	222.3	37.7
20°-30°	168.5	28.6
30°-40°	67.4	11.4
40°-50°	6.8	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°	512.8	87.0
0°-40°	580.2	98.5
0°-60°	587.8	99.8
0°-90°	589.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	589.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1479	1479	1479	1479	1479	
5°	1258	1286	1360	1439	1478	105
15°	403	468	701	1154	1396	115
25°	113	131	211	602	937	53
35°	24	29	52	159	308	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: P1178536

CATALOG NUMBER: LDA2B059050R2060D010 2LBDC1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1479.3	1479.3	1479.3	1479.3	1479.3
1°	1471.4	1472.1	1470.7	1472.8	1480.0
2°	1438.4	1449.2	1458.5	1467.8	1480.0
3°	1392.5	1405.4	1434.8	1464.2	1482.9
4°	1325.1	1351.7	1401.9	1455.6	1482.9
5°	1258.4	1286.4	1360.3	1439.1	1477.9
6°	1182.4	1222.6	1312.2	1423.4	1480.7
7°	1096.4	1145.9	1259.2	1413.3	1489.3
8°	1003.2	1059.1	1201.1	1391.8	1492.9
9°	899.9	968.0	1139.4	1366.0	1494.4
10°	801.0	872.7	1072.0	1336.6	1495.8
11°	702.0	776.6	998.9	1307.9	1490.1
12°	618.1	689.1	922.1	1277.8	1481.5
13°	540.7	609.5	846.1	1242.0	1459.2
14°	469.0	536.4	773.0	1200.4	1429.8
15°	403.0	467.5	701.3	1154.5	1396.1
16°	343.5	403.7	632.5	1103.6	1358.8
17°	300.4	348.5	567.9	1049.8	1322.3
18°	266.7	302.6	507.0	996.7	1283.5
19°	236.6	265.3	450.3	941.5	1240.5
20°	209.4	235.2	398.7	884.1	1194.6
21°	186.4	208.7	350.6	827.5	1148.0
22°	166.4	185.7	307.6	771.6	1097.1
23°	147.7	164.9	271.1	714.9	1046.2
24°	129.8	148.4	238.8	657.5	993.1
25°	112.6	131.2	210.8	602.3	937.2
26°	99.0	116.2	187.2	548.6	879.1
27°	85.3	103.3	166.4	496.9	820.3
28°	74.6	91.1	147.7	447.4	756.5
29°	64.5	80.3	130.5	398.7	691.2
30°	57.4	69.6	114.7	352.8	623.8
32.5°	39.4	46.6	80.3	248.1	455.3
35°	23.7	29.4	52.3	159.2	307.6
37.5°	12.9	15.8	30.1	95.4	193.6
40°	6.5	7.9	14.3	46.6	109.0
42.5°	2.9	3.6	6.5	17.9	46.6
45°	1.4	2.2	3.6	7.2	15.1
47.5°	0.7	1.4	1.4	2.9	4.3
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: P1178536

CATALOG NUMBER: LDA2B059050R2060D010 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)