

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: P1178454

Luminaire Tested: LDA2B059035R2060D010 2LBD1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178454
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: LDA2B059035R2060D010 2LBD1MW
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

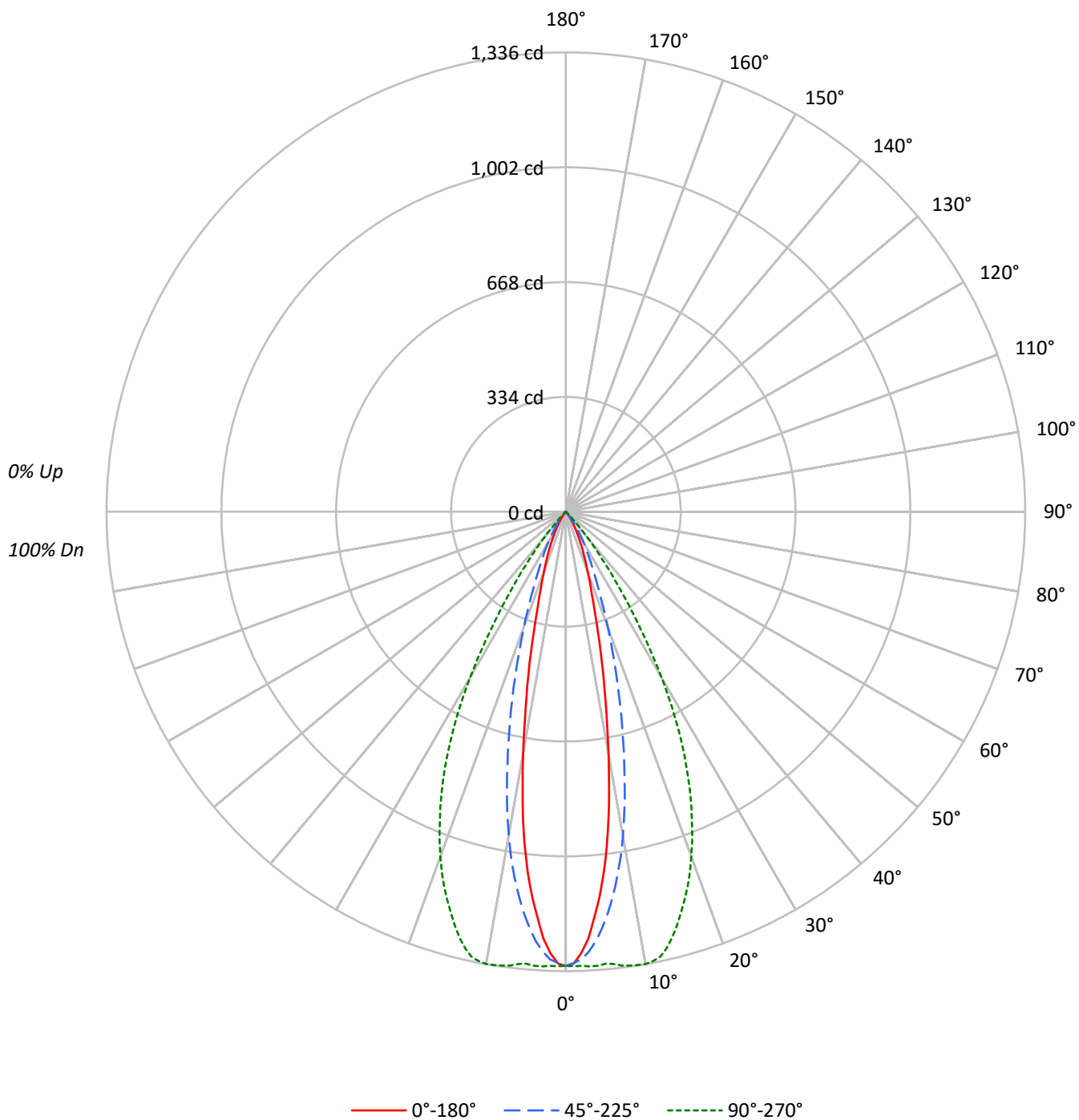
Lumens per Lamp: N/A
Luminaire Lumens: 526.0 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1178454

CATALOG NUMBER: LDA2B059035R2060D010 2LBD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1178454

CATALOG NUMBER: LDA2B059035R2060D010 2LBD1MW

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	67	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	651682	651682	651682
5°	556508	601526	653577
10°	358296	479531	669149
15°	183774	319841	636772
20°	98180	186909	560044
25°	54709	102449	455579
30°	29168	58336	317372
35°	12708	28127	165447
40°	3735	8244	62665
45°	907	2233	9349
50°	461	461	998
55°	516	516	516
60°	0	592	592
65°	0	700	700
70°	0	865	865
75°	0	1144	1144
80°	0	1705	1705
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 9349 cd/sqm

TEST NUMBER: P1178454

CATALOG NUMBER: LDA2B059035R2060D010 2LBD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.0	20.7
10°-20°	198.5	37.7
20°-30°	150.4	28.6
30°-40°	60.2	11.4
40°-50°	6.1	1.2
50°-60°	0.6	0.1
60°-70°	0.5	0.1
70°-80°	0.5	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°	457.9	87.1
0°-40°	518.1	98.5
0°-60°	524.8	99.8
0°-90°	526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	526.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1321	1321	1321	1321	1321	
5°	1124	1149	1215	1285	1320	94
15°	360	418	626	1031	1247	103
25°	100	117	188	538	837	48
35°	21	26	47	142	275	15
45°	1	2	3	6	13	1
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: P1178454

CATALOG NUMBER: LDA2B059035R2060D010 2LBD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1320.9	1320.9	1320.9	1320.9	1320.9
1°	1313.9	1314.5	1313.2	1315.2	1321.6
2°	1284.4	1294.0	1302.4	1310.7	1321.6
3°	1243.5	1255.0	1281.2	1307.5	1324.1
4°	1183.3	1207.0	1251.8	1299.8	1324.1
5°	1123.7	1148.7	1214.6	1285.1	1319.7
6°	1055.8	1091.7	1171.7	1271.0	1322.2
7°	979.0	1023.2	1124.4	1262.0	1329.9
8°	895.8	945.7	1072.5	1242.8	1333.1
9°	803.6	864.4	1017.4	1219.8	1334.4
10°	715.2	779.2	957.2	1193.5	1335.7
11°	626.9	693.4	891.9	1167.9	1330.5
12°	551.9	615.3	823.4	1141.0	1322.9
13°	482.8	544.3	755.6	1109.0	1303.0
14°	418.8	478.9	690.2	1071.9	1276.8
15°	359.8	417.5	626.2	1030.9	1246.7
16°	306.7	360.5	564.7	985.4	1213.4
17°	268.3	311.2	507.1	937.4	1180.7
18°	238.2	270.2	452.7	890.0	1146.1
19°	211.3	236.9	402.1	840.7	1107.7
20°	187.0	210.0	356.0	789.5	1066.7
21°	166.5	186.3	313.1	738.9	1025.1
22°	148.5	165.8	274.7	689.0	979.7
23°	131.9	147.3	242.0	638.4	934.2
24°	115.9	132.5	213.2	587.2	886.8
25°	100.5	117.2	188.2	537.8	836.9
26°	88.4	103.7	167.1	489.8	785.0
27°	76.2	92.2	148.5	443.7	732.5
28°	66.6	81.3	131.9	399.5	675.5
29°	57.6	71.7	116.5	356.0	617.2
30°	51.2	62.1	102.4	315.0	557.1
32.5°	35.2	41.6	71.7	221.5	406.6
35°	21.1	26.3	46.7	142.1	274.7
37.5°	11.5	14.1	26.9	85.2	172.9
40°	5.8	7.0	12.8	41.6	97.3
42.5°	2.6	3.2	5.8	16.0	41.6
45°	1.3	1.9	3.2	6.4	13.4
47.5°	0.6	1.3	1.3	2.6	3.8
50°	0.6	0.6	0.6	1.3	1.3
52.5°	0.6	0.6	0.6	1.3	1.3
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.0	0.6	0.6	0.6	0.6
60°	0.0	0.6	0.6	0.6	0.6
62.5°	0.0	0.6	0.6	0.6	0.6
65°	0.0	0.6	0.6	0.6	0.6



TEST NUMBER: P1178454

CATALOG NUMBER: LDA2B059035R2060D010 2LBD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.6	0.6	0.6	0.6
70°	0.0	0.6	0.6	0.6	0.6
72.5°	0.0	0.6	0.6	0.6	0.6
75°	0.0	0.6	0.6	0.6	0.6
77.5°	0.0	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.6	0.6	0.6
82.5°	0.0	0.0	0.6	0.6	0.6
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)