

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: P1179078

Luminaire Tested: LDA2B109727R2060D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179078
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: LDA2B109727R2060D010 2LBD1WMH
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

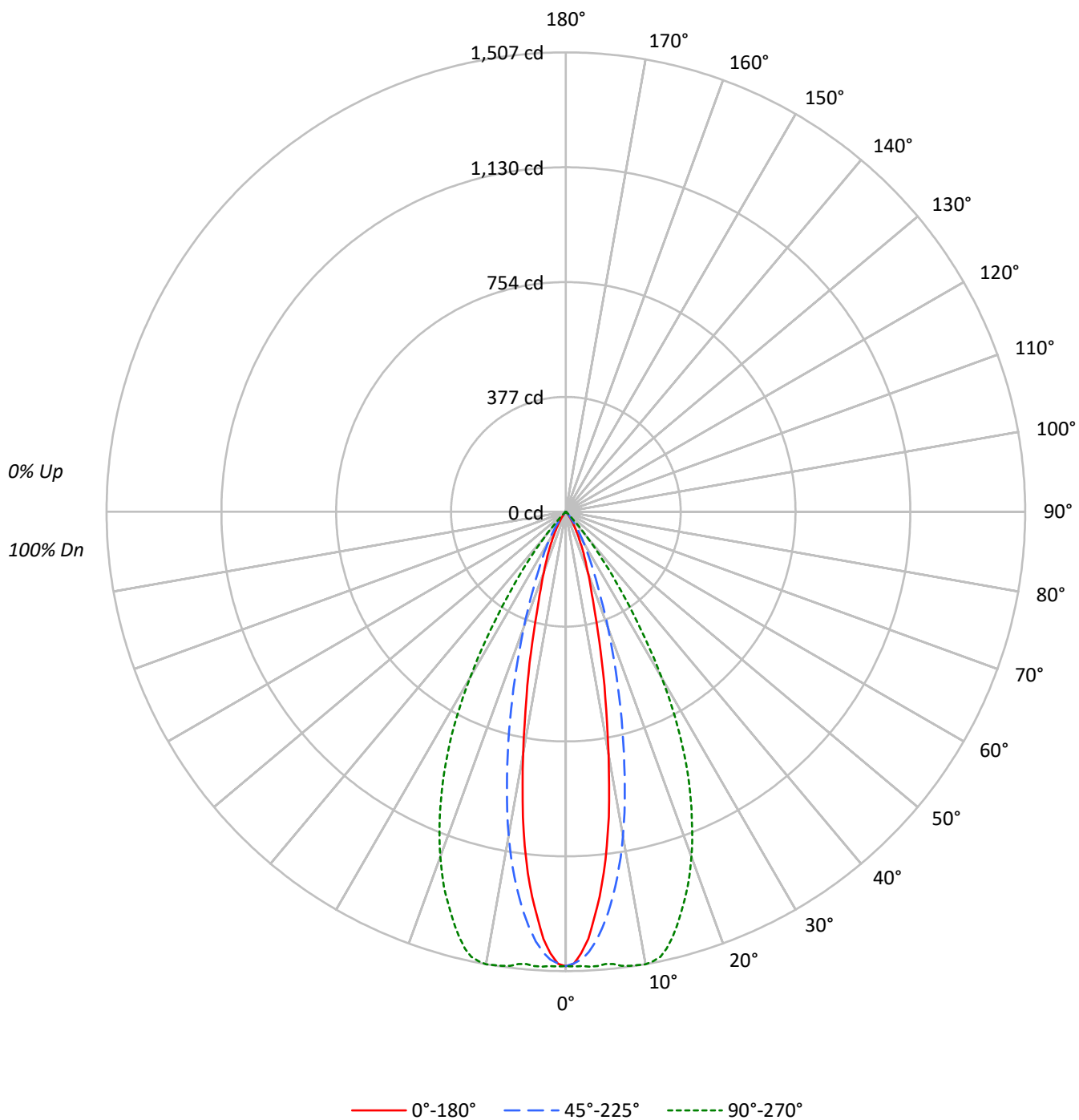
Lumens per Lamp: N/A
Luminaire Lumens: 593.7 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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: P1179078

CATALOG NUMBER: LDA2B109727R2060D010 2LBD1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1179078

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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°	735504	735504	735504
5°	628071	678884	737620
10°	404385	541201	755166
15°	207422	360958	718647
20°	110780	210955	632077
25°	61785	115677	514152
30°	32928	65856	358161
35°	14334	31801	186708
40°	4186	9339	70715
45°	977	2512	10605
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: 10605 cd/sqm

TEST NUMBER: P1179078

CATALOG NUMBER: LDA2B109727R2060D010 2LBD1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.0	20.7
10°-20°	224.0	37.7
20°-30°	169.8	28.6
30°-40°	67.9	11.4
40°-50°	6.9	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°	516.8	87.0
0°-40°	584.8	98.5
0°-60°	592.3	99.8
0°-90°	593.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	593.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1491	1491	1491	1491	1491	
5°	1268	1296	1371	1450	1489	106
15°	406	471	707	1163	1407	116
25°	114	132	212	607	944	54
35°	24	30	53	160	310	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: P1179078

CATALOG NUMBER: LDA2B109727R2060D010 2LBD1WMH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1490.8	1490.8	1490.8	1490.8	1490.8
1°	1482.9	1483.6	1482.1	1484.3	1491.5
2°	1449.6	1460.5	1469.8	1479.2	1491.5
3°	1403.4	1416.4	1446.0	1475.6	1494.4
4°	1335.4	1362.2	1412.8	1467.0	1494.4
5°	1268.2	1296.4	1370.8	1450.3	1489.4
6°	1191.6	1232.1	1322.4	1434.4	1492.2
7°	1104.9	1154.8	1269.0	1424.3	1500.9
8°	1011.0	1067.3	1210.4	1402.6	1504.5
9°	906.9	975.6	1148.3	1376.6	1506.0
10°	807.2	879.5	1080.3	1347.0	1507.4
11°	707.5	782.6	1006.6	1318.1	1501.6
12°	622.9	694.5	929.3	1287.7	1493.0
13°	544.9	614.2	852.7	1251.6	1470.6
14°	472.6	540.5	779.0	1209.7	1440.9
15°	406.1	471.2	706.7	1163.4	1407.0
16°	346.1	406.8	637.4	1112.1	1369.4
17°	302.8	351.2	572.3	1057.9	1332.5
18°	268.8	305.0	510.9	1004.5	1293.5
19°	238.5	267.4	453.8	948.8	1250.2
20°	211.0	237.0	401.8	891.0	1203.9
21°	187.9	210.3	353.4	833.9	1156.9
22°	167.7	187.2	310.0	777.6	1105.6
23°	148.9	166.2	273.2	720.5	1054.3
24°	130.8	149.6	240.6	662.7	1000.9
25°	113.5	132.2	212.5	607.0	944.5
26°	99.7	117.1	188.6	552.8	886.0
27°	86.0	104.1	167.7	500.8	826.7
28°	75.2	91.8	148.9	450.9	762.4
29°	65.0	80.9	131.5	401.8	696.6
30°	57.8	70.1	115.6	355.5	628.7
32.5°	39.7	47.0	80.9	250.0	458.9
35°	23.8	29.6	52.8	160.4	310.0
37.5°	13.0	15.9	30.4	96.1	195.1
40°	6.5	7.9	14.5	47.0	109.8
42.5°	2.9	3.6	6.5	18.1	47.0
45°	1.4	2.2	3.6	7.2	15.2
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: P1179078

CATALOG NUMBER: LDA2B109727R2060D010 2LBD1WMH

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)