

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: P1178877

Luminaire Tested: LDA2B109027R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178877
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: LDA2B109027R2060D010 2LBD1LI
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

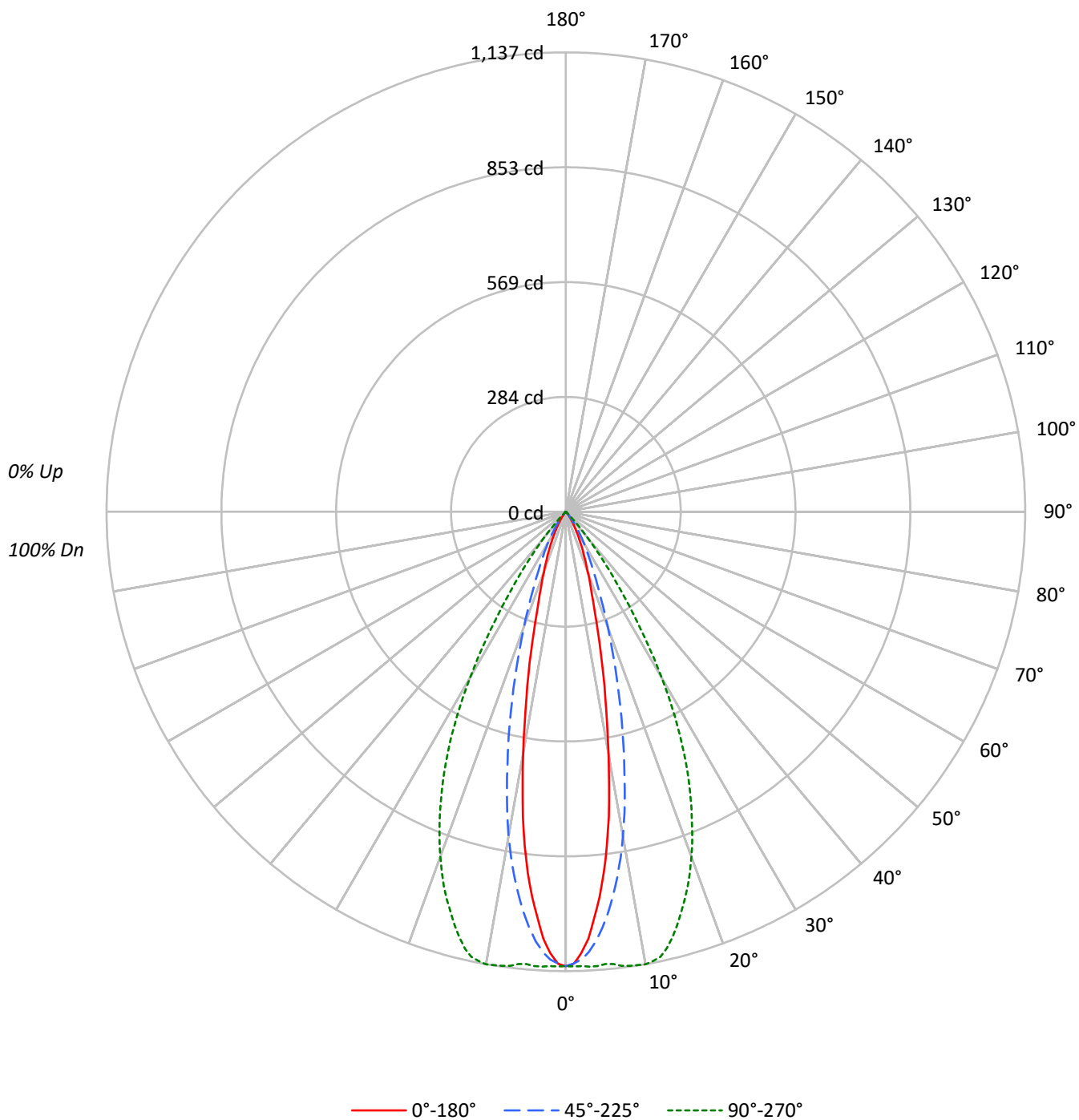
Lumens per Lamp: N/A
Luminaire Lumens: 447.9 lumens
Efficiency: N/A
Efficacy: 44.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1178877

CATALOG NUMBER: LDA2B109027R2060D010 2LBD1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1178877

CATALOG NUMBER: LDA2B109027R2060D010 2LBD1LI

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	92	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	87	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	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	554933	554933	554933
5°	473852	512184	556508
10°	305092	408343	569756
15°	156499	272340	542178
20°	83584	159135	476880
25°	46598	87262	387914
30°	24838	49677	270202
35°	10841	23971	140874
40°	3156	7020	53391
45°	767	1884	7954
50°	384	384	844
55°	430	430	430
60°	0	493	493
65°	0	584	584
70°	0	721	721
75°	0	953	953
80°	0	1421	1421
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7954 cd/sqm

TEST NUMBER: P1178877

CATALOG NUMBER: LDA2B109027R2060D010 2LBD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.8	20.7
10°-20°	169.0	37.7
20°-30°	128.1	28.6
30°-40°	51.2	11.4
40°-50°	5.2	1.2
50°-60°	0.5	0.1
60°-70°	0.4	0.1
70°-80°	0.4	0.1
80°-90°	0.1	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°	389.9	87.1
0°-40°	441.2	98.5
0°-60°	446.9	99.8
0°-90°	447.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	447.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1125	1125	1125	1125	1125	
5°	957	978	1034	1094	1124	80
15°	306	356	533	878	1062	88
25°	86	100	160	458	713	41
35°	18	22	40	121	234	12
45°	1	2	3	6	11	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1178877

CATALOG NUMBER: LDA2B109027R2060D010 2LBD1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1124.8	1124.8	1124.8	1124.8	1124.8
1°	1118.8	1119.3	1118.2	1119.8	1125.3
2°	1093.7	1101.9	1108.9	1116.0	1125.3
3°	1058.8	1068.6	1090.9	1113.3	1127.5
4°	1007.5	1027.7	1065.9	1106.8	1127.5
5°	956.8	978.1	1034.2	1094.2	1123.7
6°	899.0	929.6	997.7	1082.2	1125.8
7°	833.6	871.2	957.4	1074.6	1132.4
8°	762.7	805.3	913.2	1058.2	1135.1
9°	684.2	736.0	866.3	1038.6	1136.2
10°	609.0	663.5	815.1	1016.3	1137.3
11°	533.8	590.5	759.5	994.4	1132.9
12°	470.0	523.9	701.1	971.5	1126.4
13°	411.1	463.4	643.3	944.3	1109.5
14°	356.6	407.8	587.7	912.7	1087.1
15°	306.4	355.5	533.2	877.8	1061.5
16°	261.2	306.9	480.9	839.1	1033.2
17°	228.4	265.0	431.8	798.2	1005.4
18°	202.8	230.1	385.5	757.8	975.9
19°	179.9	201.7	342.4	715.8	943.2
20°	159.2	178.8	303.1	672.2	908.3
21°	141.8	158.7	266.6	629.2	872.9
22°	126.5	141.2	233.9	586.6	834.2
23°	112.3	125.4	206.1	543.6	795.4
24°	98.7	112.9	181.6	499.9	755.1
25°	85.6	99.8	160.3	458.0	712.6
26°	75.2	88.3	142.3	417.1	668.4
27°	64.9	78.5	126.5	377.8	623.7
28°	56.7	69.2	112.3	340.2	575.2
29°	49.1	61.1	99.2	303.1	525.6
30°	43.6	52.9	87.2	268.2	474.3
32.5°	30.0	35.4	61.1	188.6	346.2
35°	18.0	22.4	39.8	121.0	233.9
37.5°	9.8	12.0	22.9	72.5	147.2
40°	4.9	6.0	10.9	35.4	82.9
42.5°	2.2	2.7	4.9	13.6	35.4
45°	1.1	1.6	2.7	5.5	11.4
47.5°	0.5	1.1	1.1	2.2	3.3
50°	0.5	0.5	0.5	1.1	1.1
52.5°	0.5	0.5	0.5	1.1	1.1
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.0	0.5	0.5	0.5	0.5
60°	0.0	0.5	0.5	0.5	0.5
62.5°	0.0	0.5	0.5	0.5	0.5
65°	0.0	0.5	0.5	0.5	0.5



TEST NUMBER: P1178877

CATALOG NUMBER: LDA2B109027R2060D010 2LBD1LI

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.5	0.5	0.5	0.5
70°	0.0	0.5	0.5	0.5	0.5
72.5°	0.0	0.5	0.5	0.5	0.5
75°	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.5	0.5	0.5
82.5°	0.0	0.0	0.5	0.5	0.5
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)