

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: P1179072

Luminaire Tested: LDA2B109727R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179072
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 2LBD1LI
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

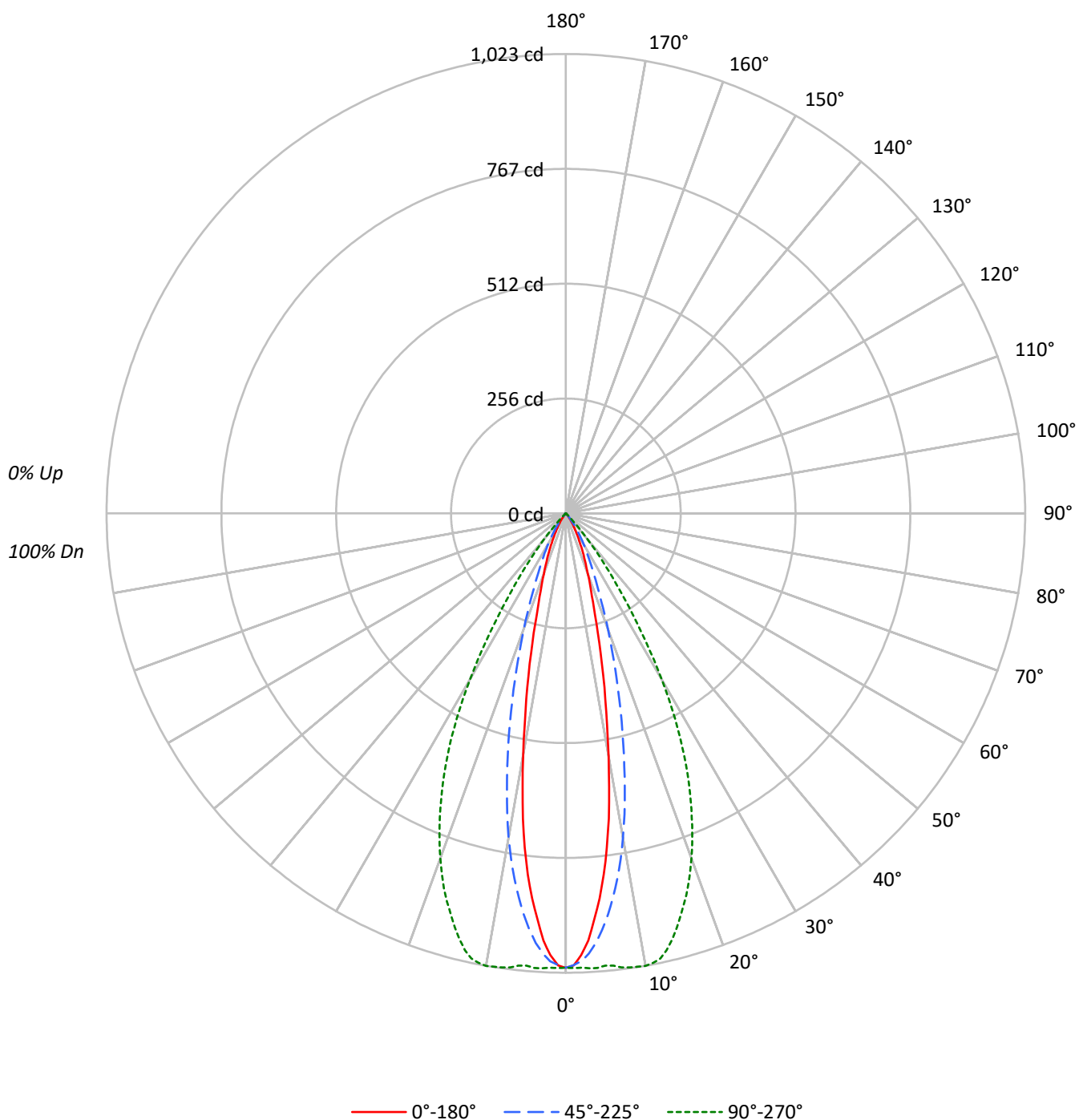
Lumens per Lamp: N/A
Luminaire Lumens: 403.1 lumens
Efficiency: N/A
Efficacy: 40.3 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	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°	499282	499282	499282
5°	426358	460876	500694
10°	274533	367413	512645
15°	140818	245065	487832
20°	75184	143227	429103
25°	41916	78497	349047
30°	22332	44720	243142
35°	9757	21562	126720
40°	2834	6312	48045
45°	698	1744	7187
50°	384	384	768
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: 7187 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	20.7
10°-20°	152.1	37.7
20°-30°	115.3	28.6
30°-40°	46.1	11.4
40°-50°	4.7	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°	350.8	87.0
0°-40°	397.0	98.5
0°-60°	402.1	99.8
0°-90°	403.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	403.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1012	1012	1012	1012	1012	
5°	861	880	931	985	1011	72
15°	276	320	480	790	955	79
25°	77	90	144	412	641	36
35°	16	20	36	109	210	11
45°	1	2	2	5	10	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1012.0	1012.0	1012.0	1012.0	1012.0
1°	1006.6	1007.1	1006.1	1007.6	1012.5
2°	984.1	991.4	997.8	1004.2	1012.5
3°	952.7	961.5	981.6	1001.7	1014.5
4°	906.6	924.7	959.0	995.8	1014.5
5°	860.9	880.1	930.6	984.6	1011.0
6°	808.9	836.4	897.7	973.8	1013.0
7°	750.1	783.9	861.4	966.9	1018.9
8°	686.3	724.6	821.7	952.2	1021.3
9°	615.7	662.3	779.5	934.5	1022.3
10°	548.0	597.0	733.4	914.4	1023.3
11°	480.3	531.3	683.3	894.8	1019.4
12°	422.9	471.4	630.9	874.2	1013.5
13°	369.9	417.0	578.9	849.6	998.3
14°	320.8	366.9	528.8	821.2	978.2
15°	275.7	319.8	479.8	789.8	955.1
16°	235.0	276.2	432.7	755.0	929.6
17°	205.5	238.4	388.5	718.2	904.6
18°	182.5	207.0	346.8	681.9	878.1
19°	161.9	181.5	308.1	644.1	848.7
20°	143.2	160.9	272.8	604.9	817.3
21°	127.5	142.8	239.9	566.1	785.4
22°	113.8	127.1	210.4	527.8	750.6
23°	101.1	112.8	185.4	489.1	715.7
24°	88.8	101.5	163.4	449.8	679.4
25°	77.0	89.8	144.2	412.1	641.2
26°	67.7	79.5	128.0	375.3	601.4
27°	58.4	70.6	113.8	340.0	561.2
28°	51.0	62.3	101.1	306.1	517.5
29°	44.2	54.9	89.3	272.8	472.9
30°	39.2	47.6	78.5	241.4	426.8
32.5°	27.0	31.9	54.9	169.7	311.5
35°	16.2	20.1	35.8	108.9	210.4
37.5°	8.8	10.8	20.6	65.2	132.5
40°	4.4	5.4	9.8	31.9	74.6
42.5°	2.0	2.5	4.4	12.3	31.9
45°	1.0	1.5	2.5	4.9	10.3
47.5°	0.5	1.0	1.0	2.0	2.9
50°	0.5	0.5	0.5	1.0	1.0
52.5°	0.5	0.5	0.5	1.0	1.0
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



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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)