

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: P1178568

Luminaire Tested: LDA2B059727R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178568
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: LDA2B059727R2060D010 2LBD1LI
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

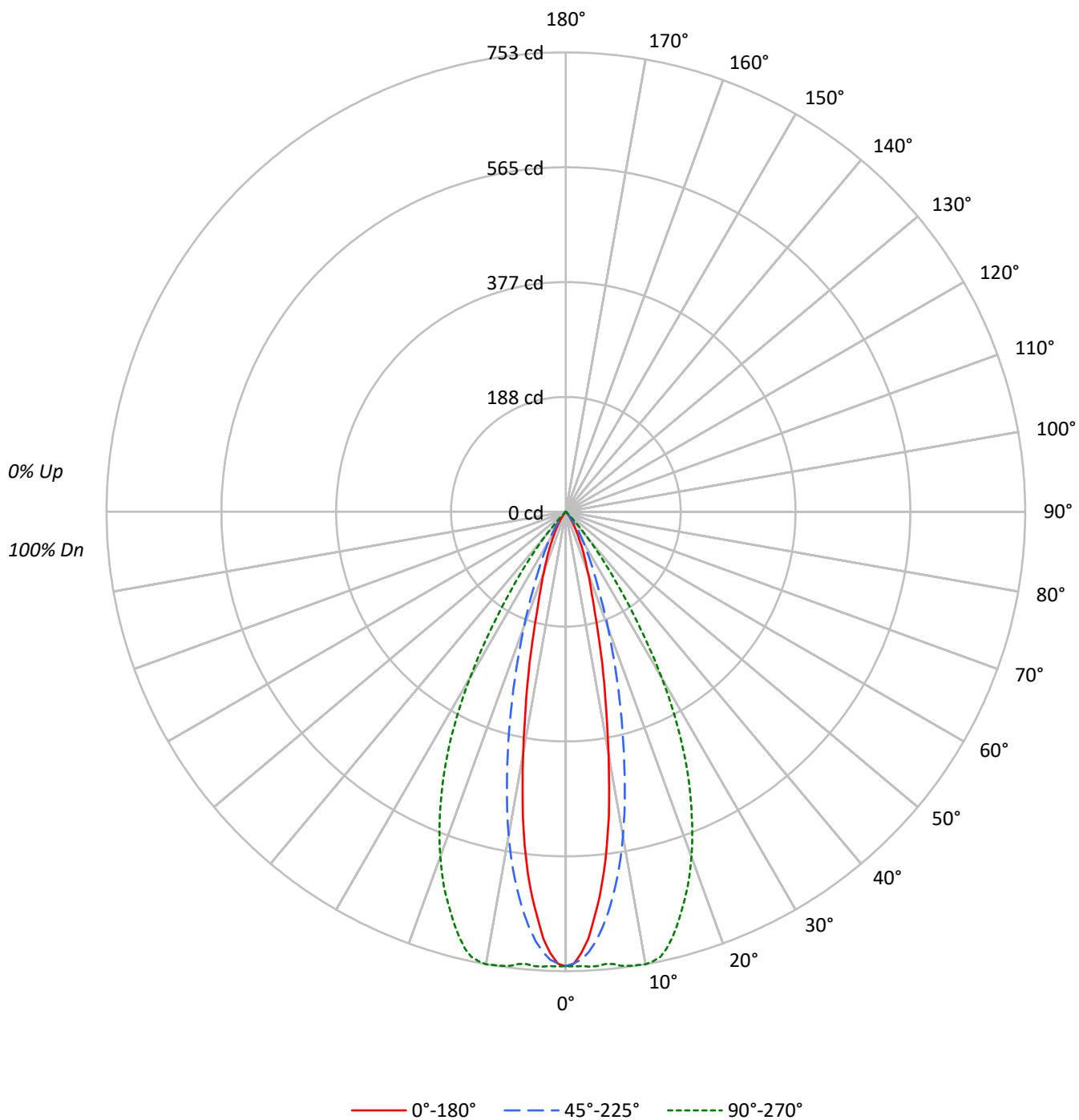
Lumens per Lamp: N/A
Luminaire Lumens: 296.8 lumens
Efficiency: N/A
Efficacy: 42.4 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	93	92	90
3	105	100	96	92	103	99	95	92	96	93	90		94	91	89		91	89	87	86
4	101	95	90	87	99	94	89	86	92	88	85		90	87	84		88	85	83	82
5	97	90	85	82	96	89	85	81	88	84	81		86	83	80		85	82	79	78
6	93	86	81	77	92	85	80	77	84	80	77		82	79	76		81	78	76	74
7	90	82	77	74	89	81	77	73	80	76	73		79	75	73		78	75	72	71
8	86	79	74	70	85	78	73	70	77	73	70		76	72	69		75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67		73	69	66		72	69	66	65
10	80	72	67	64	79	72	67	64	71	67	64		70	66	64		70	66	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	367505	367505	367505
5°	313838	339244	368562
10°	202042	270425	377333
15°	103634	180351	359068
20°	55338	105425	315855
25°	30865	57812	256886
30°	16464	32928	178938
35°	7167	15900	93294
40°	2061	4637	35358
45°	488	1256	5303
50°	307	307	537
55°	344	344	344
60°	0	395	395
65°	0	467	467
70°	0	577	577
75°	0	762	762
80°	0	1136	1136
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5303 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	20.7
10°-20°	111.9	37.7
20°-30°	84.8	28.6
30°-40°	33.9	11.4
40°-50°	3.4	1.2
50°-60°	0.4	0.1
60°-70°	0.3	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°	258.2	87.0
0°-40°	292.2	98.4
0°-60°	296.0	99.7
0°-90°	296.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	296.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	745	745	745	745	745	
5°	634	648	685	725	744	53
15°	203	235	353	581	703	58
25°	57	66	106	303	472	27
35°	12	15	26	80	155	8
45°	1	1	2	4	8	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°	744.9	744.9	744.9	744.9	744.9
1°	741.0	741.3	740.6	741.7	745.3
2°	724.3	729.8	734.5	739.1	745.3
3°	701.2	707.7	722.5	737.3	746.7
4°	667.3	680.6	705.9	733.0	746.7
5°	633.7	647.8	685.0	724.7	744.2
6°	595.4	615.7	660.8	716.8	745.6
7°	552.1	577.0	634.1	711.7	750.0
8°	505.2	533.3	604.8	700.9	751.8
9°	453.2	487.5	573.8	687.9	752.5
10°	403.3	439.4	539.8	673.1	753.2
11°	353.5	391.1	503.0	658.6	750.3
12°	311.3	347.0	464.4	643.5	746.0
13°	272.3	306.9	426.1	625.4	734.8
14°	236.2	270.1	389.3	604.5	720.0
15°	202.9	235.4	353.1	581.4	703.0
16°	173.0	203.3	318.5	555.7	684.3
17°	151.3	175.5	286.0	528.6	665.8
18°	134.3	152.4	255.3	501.9	646.3
19°	119.2	133.6	226.8	474.1	624.7
20°	105.4	118.4	200.8	445.2	601.6
21°	93.9	105.1	176.6	416.7	578.1
22°	83.8	93.5	154.9	388.5	552.5
23°	74.4	83.1	136.5	360.0	526.8
24°	65.4	74.7	120.2	331.1	500.1
25°	56.7	66.1	106.2	303.3	471.9
26°	49.8	58.5	94.2	276.2	442.7
27°	43.0	52.0	83.8	250.2	413.1
28°	37.6	45.9	74.4	225.3	380.9
29°	32.5	40.4	65.7	200.8	348.1
30°	28.9	35.0	57.8	177.7	314.1
32.5°	19.9	23.5	40.4	124.9	229.3
35°	11.9	14.8	26.4	80.2	154.9
37.5°	6.5	7.9	15.2	48.0	97.5
40°	3.2	4.0	7.2	23.5	54.9
42.5°	1.4	1.8	3.2	9.0	23.5
45°	0.7	1.1	1.8	3.6	7.6
47.5°	0.4	0.7	0.7	1.4	2.2
50°	0.4	0.4	0.4	0.7	0.7
52.5°	0.4	0.4	0.4	0.7	0.7
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.0	0.4	0.4	0.4	0.4
60°	0.0	0.4	0.4	0.4	0.4
62.5°	0.0	0.4	0.4	0.4	0.4
65°	0.0	0.4	0.4	0.4	0.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.4	0.4	0.4	0.4
70°	0.0	0.4	0.4	0.4	0.4
72.5°	0.0	0.4	0.4	0.4	0.4
75°	0.0	0.4	0.4	0.4	0.4
77.5°	0.0	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.4	0.4	0.4
82.5°	0.0	0.0	0.4	0.4	0.4
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)