

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: P1178334

Luminaire Tested: LDA2B059024R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178334
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: LDA2B059024R2060D010 2LBD1LI
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

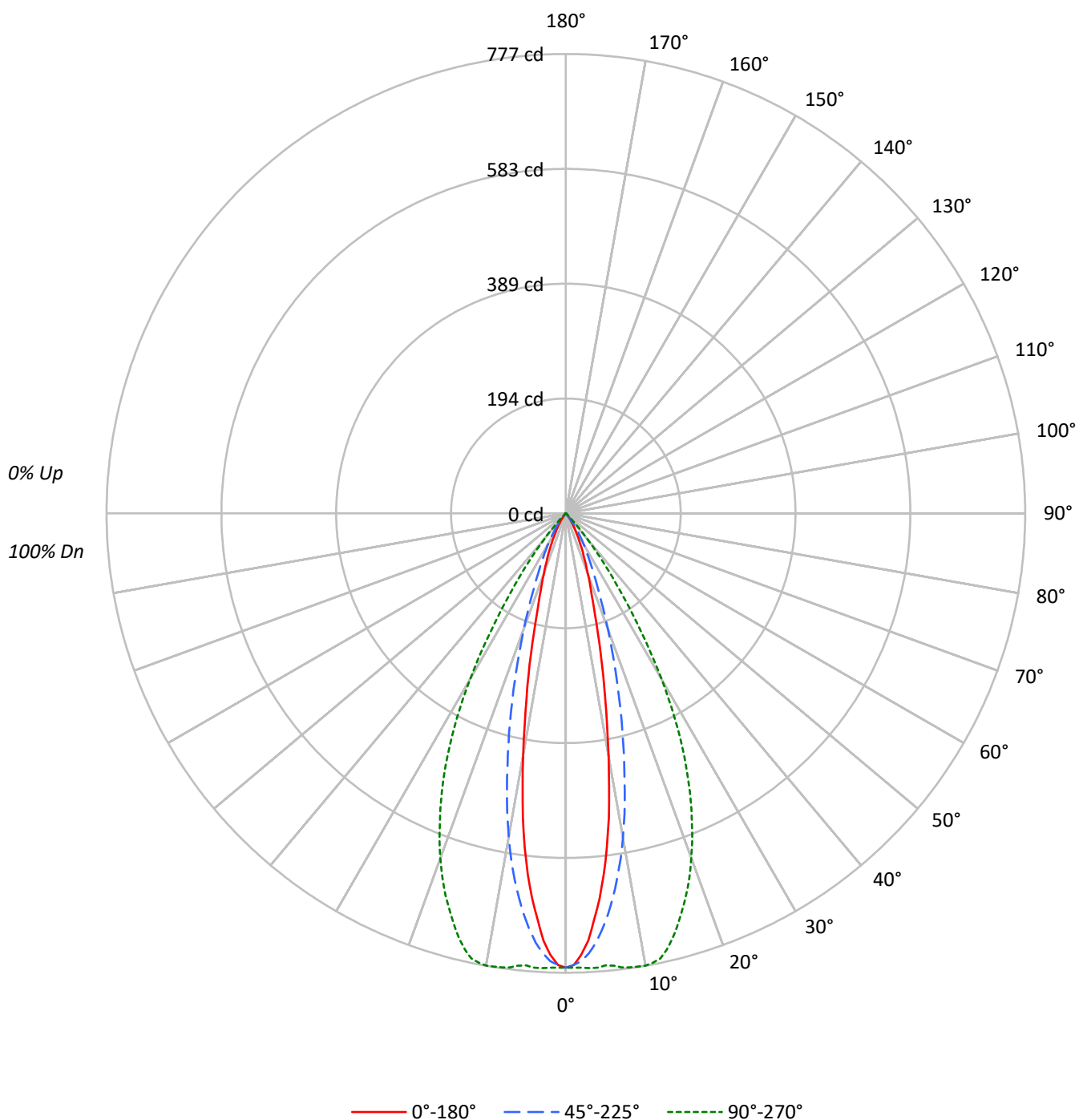
Lumens per Lamp: N/A
Luminaire Lumens: 306.1 lumens
Efficiency: N/A
Efficacy: 43.7 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1178334

CATALOG NUMBER: LDA2B059024R2060D010 2LBD1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1178334

CATALOG NUMBER: LDA2B059024R2060D010 2LBD1LI

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	81	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°	379099	379099	379099
5°	323693	349892	380151
10°	208405	278942	389206
15°	106903	186072	370407
20°	57123	108733	325778
25°	31845	59608	264997
30°	16977	33953	184578
35°	7408	16382	96245
40°	2190	4766	36453
45°	488	1326	5442
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: 5442 cd/sqm

TEST NUMBER: P1178334

CATALOG NUMBER: LDA2B059024R2060D010 2LBD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	20.7
10°-20°	115.4	37.7
20°-30°	87.5	28.6
30°-40°	35.0	11.4
40°-50°	3.6	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°	266.4	87.0
0°-40°	301.4	98.5
0°-60°	305.3	99.7
0°-90°	306.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	306.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	768	768	768	768	768	
5°	654	668	706	748	768	55
15°	209	243	364	600	725	60
25°	58	68	110	313	487	28
35°	12	15	27	83	160	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	

TEST NUMBER: P1178334

CATALOG NUMBER: LDA2B059024R2060D010 2LBD1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	768.4	768.4	768.4	768.4	768.4
1°	764.3	764.6	763.9	765.0	768.7
2°	747.1	752.7	757.6	762.4	768.7
3°	723.3	730.0	745.3	760.5	770.2
4°	688.3	702.1	728.1	756.1	770.2
5°	653.6	668.2	706.5	747.5	767.6
6°	614.2	635.0	681.6	739.3	769.1
7°	569.5	595.2	654.0	734.1	773.6
8°	521.1	550.1	623.8	722.9	775.4
9°	467.4	502.8	591.8	709.5	776.2
10°	416.0	453.3	556.8	694.2	776.9
11°	364.6	403.4	518.8	679.3	773.9
12°	321.0	357.9	479.0	663.7	769.5
13°	280.8	316.6	439.5	645.1	757.9
14°	243.6	278.6	401.5	623.5	742.7
15°	209.3	242.8	364.3	599.6	725.2
16°	178.4	209.7	328.5	573.2	705.8
17°	156.1	181.0	295.0	545.3	686.8
18°	138.5	157.2	263.3	517.7	666.7
19°	122.9	137.8	233.9	489.0	644.3
20°	108.8	122.2	207.1	459.2	620.5
21°	96.8	108.4	182.1	429.8	596.3
22°	86.4	96.5	159.8	400.8	569.8
23°	76.7	85.7	140.8	371.3	543.4
24°	67.4	77.1	124.0	341.5	515.8
25°	58.5	68.2	109.5	312.9	486.8
26°	51.4	60.3	97.2	284.9	456.6
27°	44.3	53.6	86.4	258.1	426.1
28°	38.7	47.3	76.7	232.4	392.9
29°	33.5	41.7	67.8	207.1	359.0
30°	29.8	36.1	59.6	183.2	324.0
32.5°	20.5	24.2	41.7	128.9	236.5
35°	12.3	15.3	27.2	82.7	159.8
37.5°	6.7	8.2	15.6	49.5	100.6
40°	3.4	4.1	7.4	24.2	56.6
42.5°	1.5	1.9	3.4	9.3	24.2
45°	0.7	1.1	1.9	3.7	7.8
47.5°	0.4	0.7	0.7	1.5	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



TEST NUMBER: P1178334

CATALOG NUMBER: LDA2B059024R2060D010 2LBD1LI

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)