

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: P1178607

Luminaire Tested: LDA2B059730R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178607
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: LDA2B059730R2060D010 2LBD1LI
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

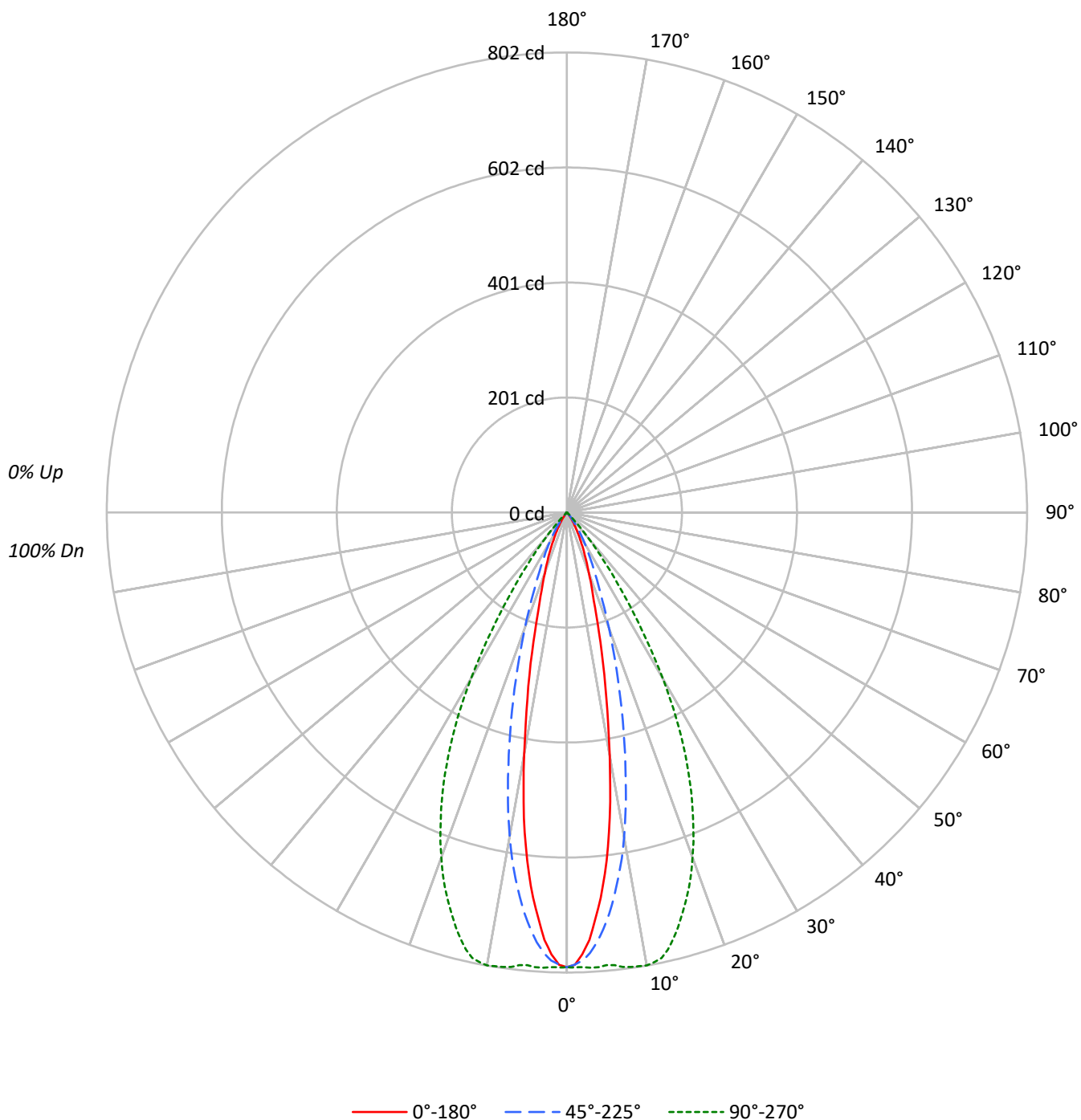
Lumens per Lamp: N/A
Luminaire Lumens: 315.9 lumens
Efficiency: N/A
Efficacy: 45.1 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
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°	391137	391137	391137
5°	334044	361035	392235
10°	215068	287809	401630
15°	110325	191946	382155
20°	58908	112198	336121
25°	32825	61513	273434
30°	17489	35036	190446
35°	7649	16924	99317
40°	2254	4959	37612
45°	558	1326	5652
50°	307	307	614
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: 5652 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	20.7
10°-20°	119.1	37.7
20°-30°	90.3	28.6
30°-40°	36.1	11.4
40°-50°	3.7	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°	274.9	87.0
0°-40°	311.0	98.5
0°-60°	315.0	99.7
0°-90°	315.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	315.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	793	793	793	793	793	
5°	674	689	729	771	792	56
15°	216	251	376	619	748	62
25°	60	70	113	323	502	29
35°	13	16	28	85	165	9
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°	792.8	792.8	792.8	792.8	792.8
1°	788.6	789.0	788.2	789.4	793.2
2°	770.9	776.7	781.7	786.7	793.2
3°	746.3	753.2	769.0	784.7	794.7
4°	710.2	724.4	751.3	780.1	794.7
5°	674.5	689.4	729.0	771.3	792.0
6°	633.7	655.2	703.3	762.8	793.6
7°	587.6	614.1	674.8	757.5	798.2
8°	537.6	567.6	643.7	745.9	800.1
9°	482.3	518.8	610.7	732.1	800.9
10°	429.3	467.7	574.5	716.3	801.7
11°	376.2	416.2	535.3	701.0	798.6
12°	331.3	369.3	494.2	684.8	794.0
13°	289.8	326.7	453.5	665.6	782.1
14°	251.3	287.5	414.3	643.3	766.3
15°	216.0	250.6	375.8	618.7	748.2
16°	184.1	216.4	339.0	591.4	728.3
17°	161.0	186.8	304.4	562.6	708.7
18°	143.0	162.2	271.7	534.2	687.9
19°	126.8	142.2	241.3	504.6	664.8
20°	112.2	126.1	213.7	473.8	640.2
21°	99.9	111.8	187.9	443.5	615.3
22°	89.2	99.5	164.9	413.5	588.0
23°	79.2	88.4	145.3	383.1	560.7
24°	69.6	79.6	128.0	352.4	532.3
25°	60.3	70.3	113.0	322.8	502.3
26°	53.0	62.3	100.3	294.0	471.2
27°	45.7	55.3	89.2	266.3	439.6
28°	40.0	48.8	79.2	239.8	405.4
29°	34.6	43.0	69.9	213.7	370.5
30°	30.7	37.3	61.5	189.1	334.3
32.5°	21.1	25.0	43.0	133.0	244.0
35°	12.7	15.8	28.1	85.3	164.9
37.5°	6.9	8.5	16.1	51.1	103.8
40°	3.5	4.2	7.7	25.0	58.4
42.5°	1.5	1.9	3.5	9.6	25.0
45°	0.8	1.2	1.9	3.8	8.1
47.5°	0.4	0.8	0.8	1.5	2.3
50°	0.4	0.4	0.4	0.8	0.8
52.5°	0.4	0.4	0.4	0.8	0.8
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)