

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: P1178451

Luminaire Tested: LDA2B059035R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178451
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: LDA2B059035R2060D010 2LBD1LI
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

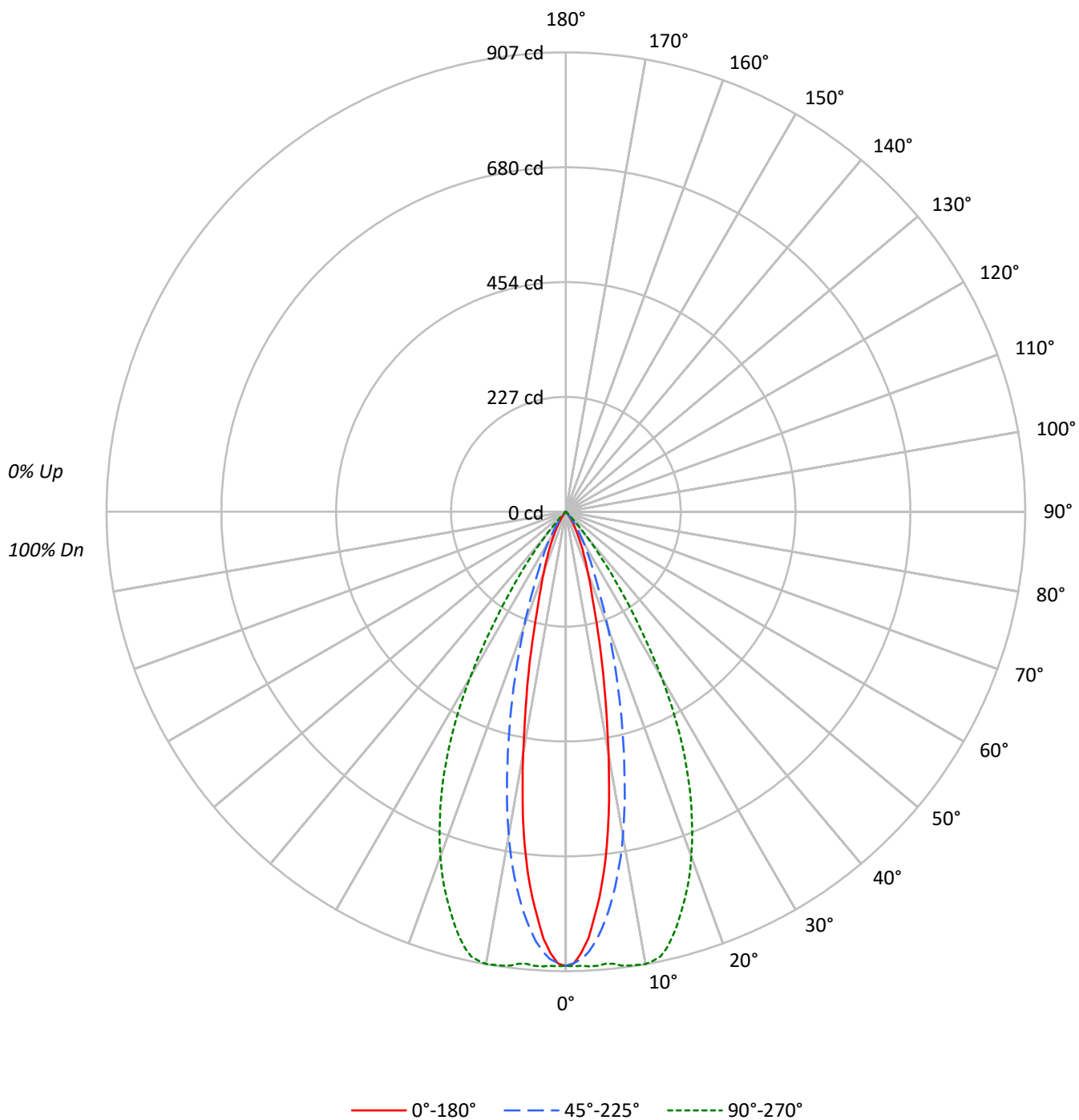
Lumens per Lamp: N/A
Luminaire Lumens: 357.1 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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°	442398	442398	442398
5°	377774	408380	443642
10°	243222	325532	454232
15°	124780	217127	432261
20°	66626	126898	380170
25°	37126	69570	309253
30°	19825	39593	215455
35°	8613	19092	112326
40°	2512	5603	42571
45°	628	1535	6349
50°	307	307	691
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: 6349 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.0	20.7
10°-20°	134.7	37.7
20°-30°	102.1	28.6
30°-40°	40.9	11.4
40°-50°	4.1	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°	310.9	87.1
0°-40°	351.7	98.5
0°-60°	356.3	99.8
0°-90°	357.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	357.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	897	897	897	897	897	
5°	763	780	825	872	896	64
15°	244	283	425	700	846	70
25°	68	80	128	365	568	32
35°	14	18	32	96	186	10
45°	1	1	2	4	9	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°	896.7	896.7	896.7	896.7	896.7
1°	891.9	892.4	891.5	892.8	897.1
2°	871.9	878.5	884.1	889.8	897.1
3°	844.1	851.9	869.8	887.6	898.9
4°	803.3	819.3	849.8	882.4	898.9
5°	762.8	779.8	824.6	872.4	895.8
6°	716.8	741.1	795.4	862.8	897.6
7°	664.6	694.6	763.3	856.7	902.8
8°	608.1	642.0	728.1	843.7	905.0
9°	545.5	586.8	690.7	828.0	905.8
10°	485.5	529.0	649.8	810.2	906.7
11°	425.5	470.7	605.5	792.8	903.2
12°	374.7	417.7	559.0	774.6	898.0
13°	327.7	369.5	512.9	752.8	884.5
14°	284.3	325.1	468.6	727.6	866.7
15°	244.3	283.4	425.1	699.8	846.3
16°	208.2	244.7	383.4	668.9	823.7
17°	182.1	211.2	344.3	636.3	801.5
18°	161.7	183.4	307.3	604.2	778.0
19°	143.4	160.8	273.0	570.7	752.0
20°	126.9	142.6	241.7	535.9	724.1
21°	113.0	126.5	212.5	501.6	695.9
22°	100.8	112.6	186.5	467.7	665.0
23°	89.5	100.0	164.3	433.4	634.2
24°	78.7	90.0	144.7	398.6	602.0
25°	68.2	79.5	127.8	365.1	568.1
26°	60.0	70.4	113.4	332.5	532.9
27°	51.7	62.6	100.8	301.2	497.3
28°	45.2	55.2	89.5	271.2	458.6
29°	39.1	48.7	79.1	241.7	419.0
30°	34.8	42.2	69.5	213.9	378.2
32.5°	23.9	28.3	48.7	150.4	276.0
35°	14.3	17.8	31.7	96.5	186.5
37.5°	7.8	9.6	18.3	57.8	117.4
40°	3.9	4.8	8.7	28.3	66.1
42.5°	1.7	2.2	3.9	10.9	28.3
45°	0.9	1.3	2.2	4.3	9.1
47.5°	0.4	0.9	0.9	1.7	2.6
50°	0.4	0.4	0.4	0.9	0.9
52.5°	0.4	0.4	0.4	0.9	0.9
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)