

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: P1179537

Luminaire Tested: LDA2B159050R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179537
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: LDA2B159050R2060D010 2LBD1LI
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

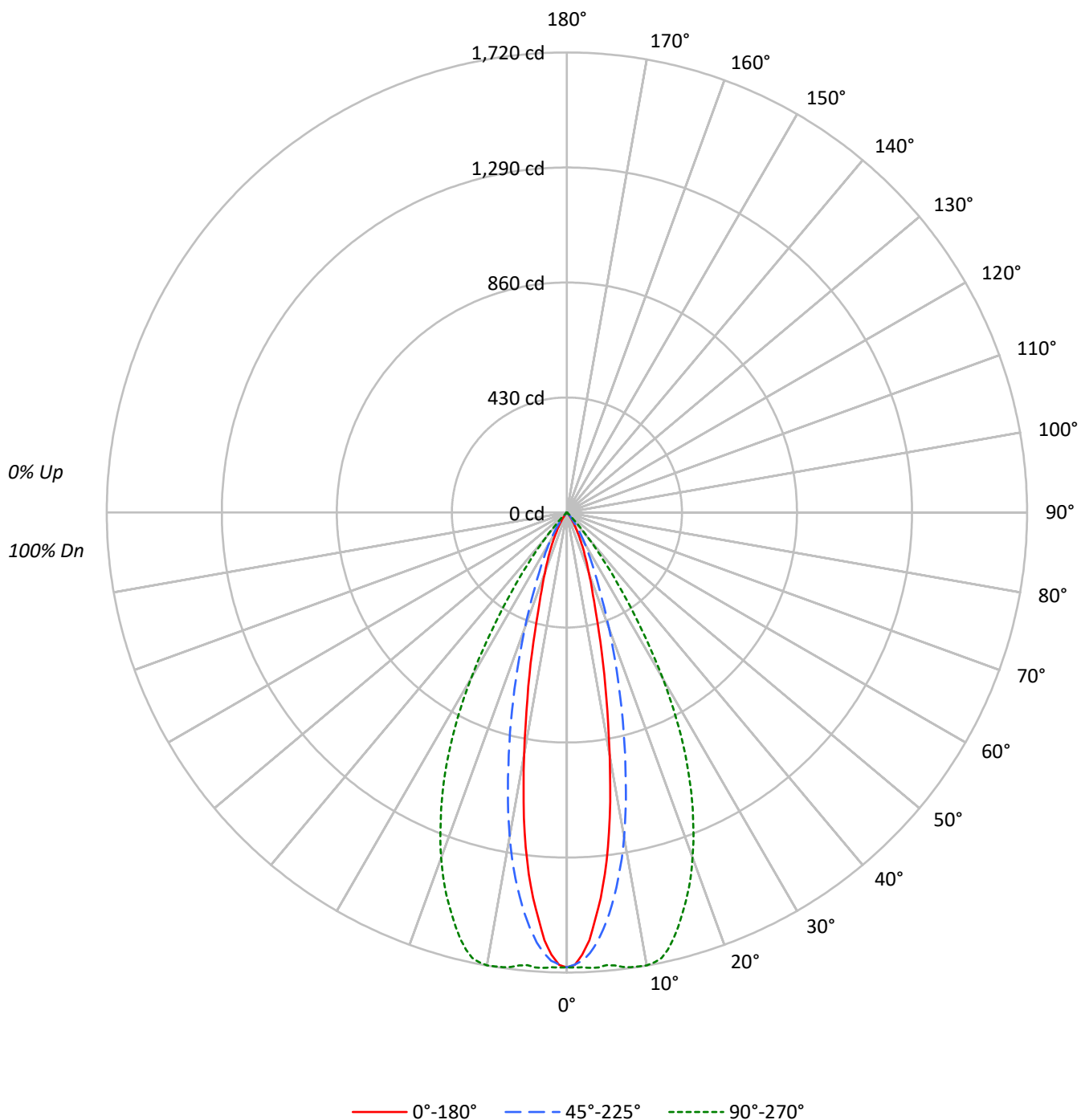
Lumens per Lamp: N/A
Luminaire Lumens: 677.3 lumens
Efficiency: N/A
Efficacy: 48.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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	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	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°	839060	839060	839060
5°	716522	774516	841473
10°	461296	617449	861523
15°	236638	411830	819830
20°	126373	240671	721069
25°	70441	131954	586553
30°	37599	75141	408578
35°	16382	36257	213028
40°	4766	10627	80698
45°	1116	2861	12071
50°	614	614	1228
55°	688	688	688
60°	0	789	789
65°	0	934	934
70°	0	1154	1154
75°	0	1525	1525
80°	0	2273	2273
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 12071 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.4	20.7
10°-20°	255.5	37.7
20°-30°	193.7	28.6
30°-40°	77.5	11.4
40°-50°	7.9	1.2
50°-60°	0.8	0.1
60°-70°	0.7	0.1
70°-80°	0.7	0.1
80°-90°	0.2	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°	589.6	87.0
0°-40°	667.1	98.5
0°-60°	675.7	99.8
0°-90°	677.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	677.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1701	1701	1701	1701	1701	
5°	1447	1479	1564	1655	1699	121
15°	463	538	806	1327	1605	133
25°	129	151	242	692	1078	61
35°	27	34	60	183	354	19
45°	2	2	4	8	17	2
55°	1	1	1	1	1	0
65°	0	1	1	1	1	0
75°	0	1	1	1	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1700.7	1700.7	1700.7	1700.7	1700.7
1°	1691.7	1692.5	1690.8	1693.3	1701.6
2°	1653.7	1666.1	1676.8	1687.5	1701.6
3°	1601.0	1615.8	1649.6	1683.4	1704.8
4°	1523.5	1554.0	1611.7	1673.5	1704.8
5°	1446.8	1479.0	1563.9	1654.6	1699.1
6°	1359.4	1405.6	1508.6	1636.4	1702.4
7°	1260.5	1317.4	1447.6	1624.9	1712.3
8°	1153.3	1217.6	1380.9	1600.1	1716.4
9°	1034.6	1112.9	1310.0	1570.5	1718.0
10°	920.8	1003.3	1232.5	1536.7	1719.7
11°	807.1	892.8	1148.4	1503.7	1713.1
12°	710.6	792.2	1060.2	1469.1	1703.2
13°	621.6	700.7	972.8	1427.9	1677.6
14°	539.2	616.6	888.7	1380.0	1643.8
15°	463.3	537.5	806.3	1327.3	1605.1
16°	394.9	464.1	727.1	1268.7	1562.2
17°	345.4	400.7	652.9	1206.9	1520.2
18°	306.7	347.9	582.8	1145.9	1475.7
19°	272.1	305.0	517.7	1082.4	1426.2
20°	240.7	270.4	458.4	1016.5	1373.4
21°	214.3	239.9	403.1	951.4	1319.9
22°	191.3	213.5	353.7	887.0	1261.3
23°	169.8	189.6	311.6	821.9	1202.8
24°	149.2	170.6	274.5	756.0	1141.8
25°	129.4	150.9	242.4	692.5	1077.5
26°	113.8	133.6	215.2	630.7	1010.7
27°	98.1	118.7	191.3	571.3	943.1
28°	85.7	104.7	169.8	514.4	869.7
29°	74.2	92.3	150.0	458.4	794.7
30°	66.0	80.0	131.9	405.6	717.2
32.5°	45.3	53.6	92.3	285.2	523.5
35°	27.2	33.8	60.2	183.0	353.7
37.5°	14.8	18.1	34.6	109.6	222.6
40°	7.4	9.1	16.5	53.6	125.3
42.5°	3.3	4.1	7.4	20.6	53.6
45°	1.6	2.5	4.1	8.2	17.3
47.5°	0.8	1.6	1.6	3.3	4.9
50°	0.8	0.8	0.8	1.6	1.6
52.5°	0.8	0.8	0.8	1.6	1.6
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.0	0.8	0.8	0.8	0.8
60°	0.0	0.8	0.8	0.8	0.8
62.5°	0.0	0.8	0.8	0.8	0.8
65°	0.0	0.8	0.8	0.8	0.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.8	0.8	0.8	0.8
70°	0.0	0.8	0.8	0.8	0.8
72.5°	0.0	0.8	0.8	0.8	0.8
75°	0.0	0.8	0.8	0.8	0.8
77.5°	0.0	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.8	0.8	0.8
82.5°	0.0	0.0	0.8	0.8	0.8
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)