

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: P1178188

Luminaire Tested: LDA2B058030R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178188
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: LDA2B058030R2060D010 2LBDC1MB
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

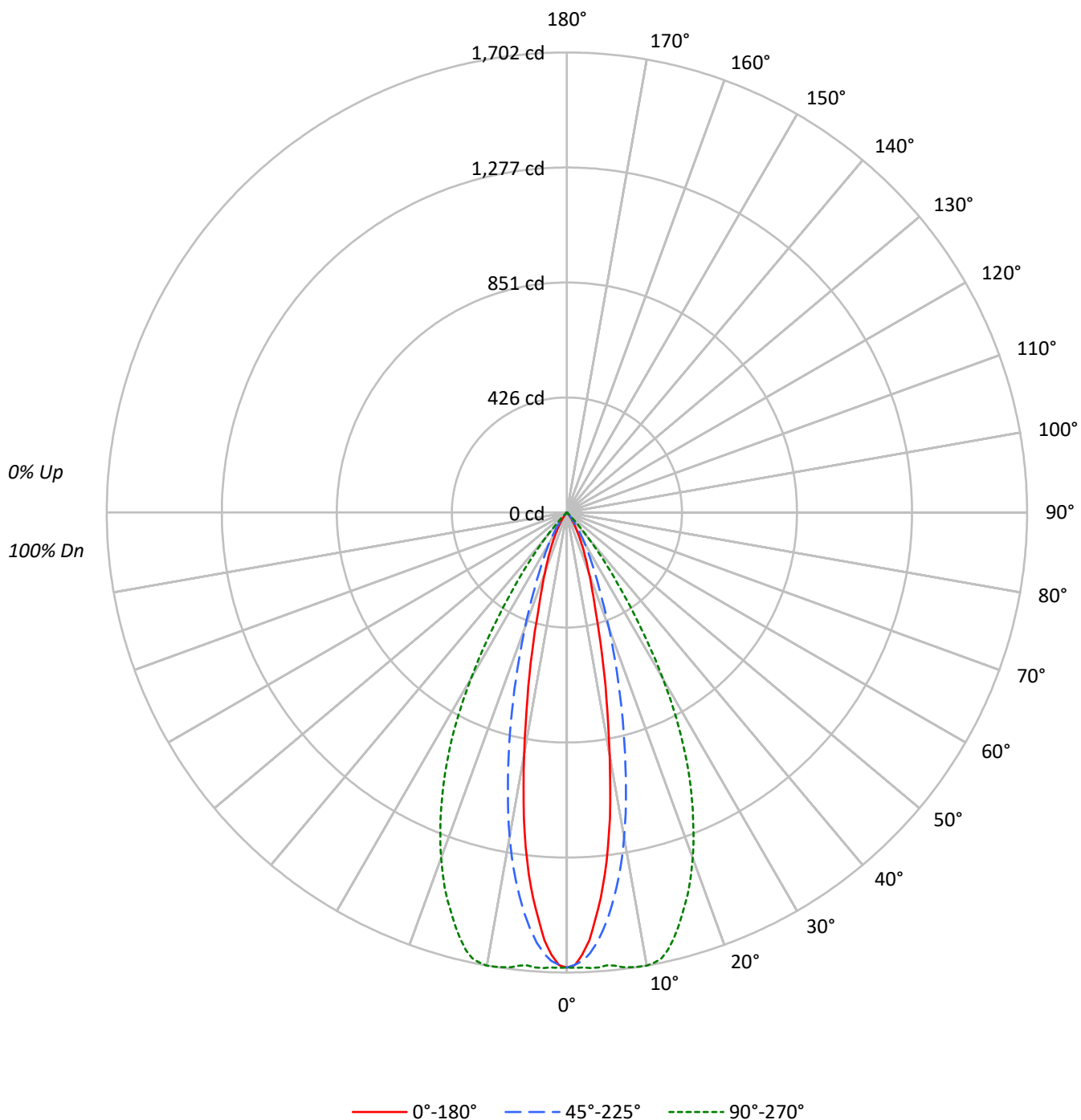
Lumens per Lamp: N/A
Luminaire Lumens: 670.6 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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°	830673	830673	830673
5°	709341	766740	833054
10°	456687	611237	852906
15°	234288	407693	811607
20°	125113	238256	713876
25°	69733	130593	580674
30°	37200	74401	404533
35°	16201	35896	210859
40°	4701	10498	79925
45°	1116	2861	11931
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: 11931 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.0	20.7
10°-20°	253.0	37.7
20°-30°	191.8	28.6
30°-40°	76.7	11.4
40°-50°	7.8	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°	583.7	87.0
0°-40°	660.4	98.5
0°-60°	669.0	99.8
0°-90°	670.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	670.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1684	1684	1684	1684	1684	
5°	1432	1464	1548	1638	1682	120
15°	459	532	798	1314	1589	131
25°	128	149	240	686	1067	61
35°	27	34	60	181	350	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°	1683.7	1683.7	1683.7	1683.7	1683.7
1°	1674.7	1675.6	1673.9	1676.4	1684.5
2°	1637.2	1649.4	1660.0	1670.7	1684.5
3°	1585.0	1599.7	1633.1	1666.6	1687.8
4°	1508.2	1538.4	1595.6	1656.8	1687.8
5°	1432.3	1464.2	1548.2	1638.0	1682.1
6°	1345.8	1391.5	1493.6	1620.1	1685.4
7°	1247.9	1304.2	1433.2	1608.6	1695.1
8°	1141.8	1205.5	1367.1	1584.1	1699.2
9°	1024.3	1101.8	1296.9	1554.8	1700.9
10°	911.6	993.3	1220.1	1521.3	1702.5
11°	799.0	883.9	1136.9	1488.7	1696.0
12°	703.5	784.3	1049.6	1454.4	1686.2
13°	615.4	693.7	963.1	1413.6	1660.9
14°	533.8	610.5	879.8	1366.2	1627.4
15°	458.7	532.1	798.2	1314.0	1589.0
16°	390.9	459.5	719.8	1256.1	1546.6
17°	342.0	396.6	646.4	1194.8	1505.0
18°	303.6	344.4	577.0	1134.4	1460.9
19°	269.3	302.0	512.5	1071.6	1411.9
20°	238.3	267.7	453.8	1006.3	1359.7
21°	212.2	237.5	399.1	941.8	1306.7
22°	189.3	211.4	350.1	878.2	1248.7
23°	168.1	187.7	308.5	813.7	1190.8
24°	147.7	168.9	271.8	748.4	1130.4
25°	128.1	149.4	239.9	685.6	1066.7
26°	112.6	132.2	213.0	624.4	1000.6
27°	97.1	117.5	189.3	565.6	933.7
28°	84.9	103.7	168.1	509.3	861.0
29°	73.5	91.4	148.5	453.8	786.8
30°	65.3	79.2	130.6	401.5	710.1
32.5°	44.9	53.0	91.4	282.4	518.3
35°	26.9	33.5	59.6	181.2	350.1
37.5°	14.7	18.0	34.3	108.5	220.4
40°	7.3	9.0	16.3	53.0	124.1
42.5°	3.3	4.1	7.3	20.4	53.0
45°	1.6	2.4	4.1	8.2	17.1
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)