

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: P1178303

Luminaire Tested: LDA2B058050R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178303
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: LDA2B058050R2060D010 2LBDC1MMS
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

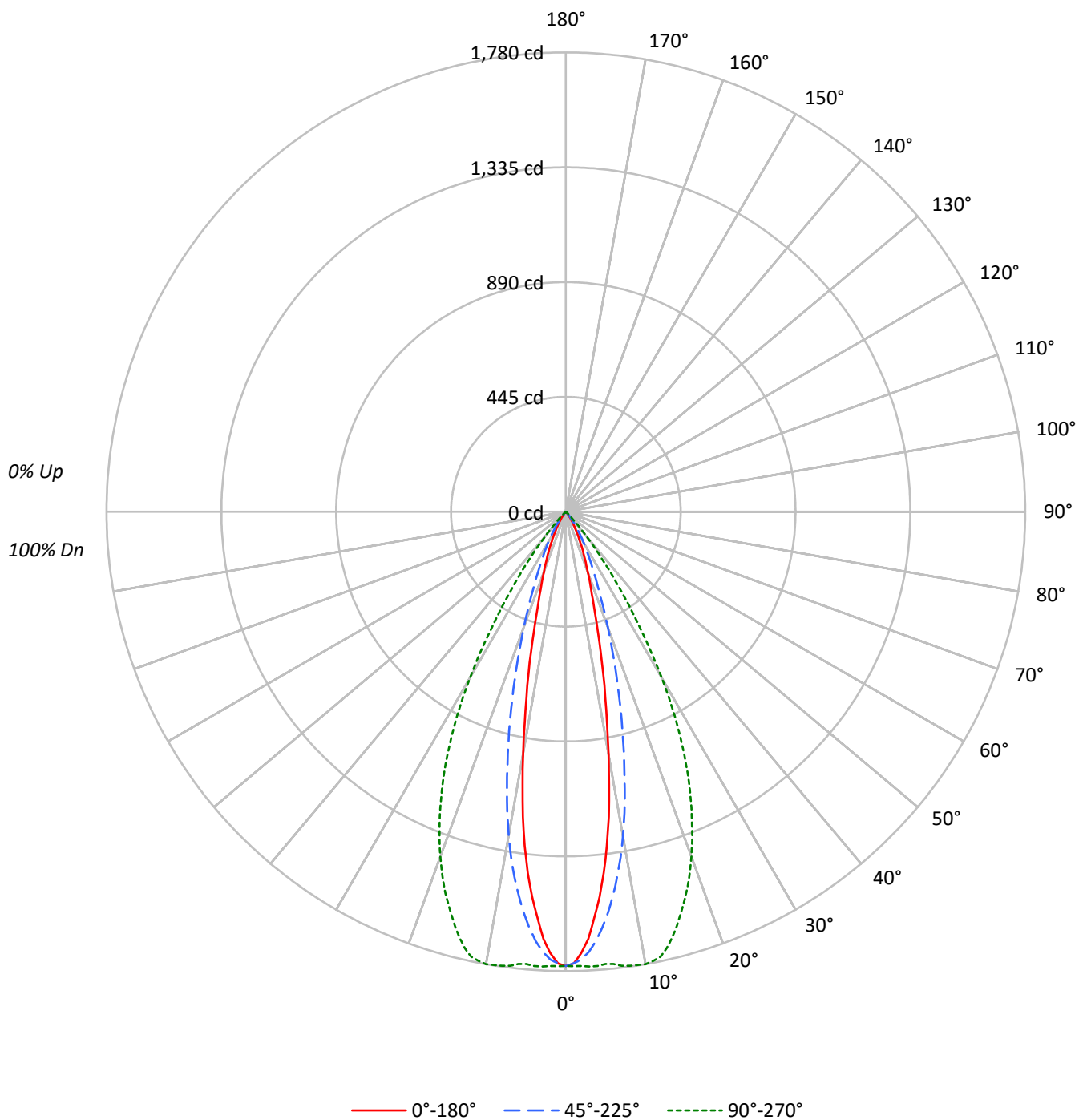
Lumens per Lamp: N/A
Luminaire Lumens: 701.4 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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					0
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°	868563	868563	868563
5°	741681	801705	871039
10°	477527	639141	891781
15°	244963	426285	848637
20°	130836	249124	746428
25°	72945	136581	607130
30°	38909	77762	422934
35°	16984	37522	220496
40°	4959	11013	83532
45°	1186	3000	12489
50°	691	691	1305
55°	774	774	774
60°	0	888	888
65°	0	1051	1051
70°	0	1298	1298
75°	0	1716	1716
80°	0	2557	2557
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 12489 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.3	20.7
10°-20°	264.5	37.7
20°-30°	200.5	28.6
30°-40°	80.2	11.4
40°-50°	8.1	1.2
50°-60°	0.9	0.1
60°-70°	0.8	0.1
70°-80°	0.8	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°	610.3	87.0
0°-40°	690.5	98.5
0°-60°	699.6	99.7
0°-90°	701.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	701.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1760	1760	1760	1760	1760	
5°	1498	1531	1619	1713	1759	125
15°	480	556	835	1374	1662	137
25°	134	156	251	717	1115	63
35°	28	35	62	189	366	19
45°	2	3	4	8	18	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°	1760.5	1760.5	1760.5	1760.5	1760.5
1°	1751.1	1751.9	1750.2	1752.8	1761.3
2°	1711.8	1724.6	1735.7	1746.8	1761.3
3°	1657.2	1672.6	1707.6	1742.6	1764.7
4°	1577.0	1608.6	1668.3	1732.3	1764.7
5°	1497.6	1530.9	1618.8	1712.7	1758.8
6°	1407.2	1455.0	1561.6	1693.9	1762.2
7°	1304.8	1363.7	1498.5	1682.0	1772.4
8°	1193.8	1260.4	1429.4	1656.4	1776.7
9°	1071.0	1152.0	1356.0	1625.6	1778.4
10°	953.2	1038.5	1275.8	1590.7	1780.1
11°	835.4	924.2	1188.7	1556.5	1773.3
12°	735.6	820.1	1097.4	1520.7	1763.0
13°	643.4	725.4	1007.0	1478.0	1736.6
14°	558.1	638.3	919.9	1428.5	1701.6
15°	479.6	556.4	834.6	1373.9	1661.5
16°	408.8	480.4	752.7	1313.3	1617.1
17°	357.6	414.7	675.9	1249.3	1573.6
18°	317.4	360.1	603.3	1186.2	1527.5
19°	281.6	315.7	535.9	1120.5	1476.3
20°	249.2	279.9	474.5	1052.2	1421.7
21°	221.9	248.3	417.3	984.8	1366.2
22°	198.0	221.0	366.1	918.2	1305.6
23°	175.8	196.3	322.6	850.8	1245.0
24°	154.5	176.6	284.2	782.5	1181.9
25°	134.0	156.2	250.9	716.8	1115.3
26°	117.8	138.2	222.7	652.8	1046.2
27°	101.5	122.9	198.0	591.4	976.2
28°	88.7	108.4	175.8	532.5	900.3
29°	76.8	95.6	155.3	474.5	822.6
30°	68.3	82.8	136.5	419.9	742.4
32.5°	46.9	55.5	95.6	295.3	541.9
35°	28.2	35.0	62.3	189.4	366.1
37.5°	15.4	18.8	35.8	113.5	230.4
40°	7.7	9.4	17.1	55.5	129.7
42.5°	3.4	4.3	7.7	21.3	55.5
45°	1.7	2.6	4.3	8.5	17.9
47.5°	0.9	1.7	1.7	3.4	5.1
50°	0.9	0.9	0.9	1.7	1.7
52.5°	0.9	0.9	0.9	1.7	1.7
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.0	0.9	0.9	0.9	0.9
60°	0.0	0.9	0.9	0.9	0.9
62.5°	0.0	0.9	0.9	0.9	0.9
65°	0.0	0.9	0.9	0.9	0.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.9	0.9	0.9	0.9
70°	0.0	0.9	0.9	0.9	0.9
72.5°	0.0	0.9	0.9	0.9	0.9
75°	0.0	0.9	0.9	0.9	0.9
77.5°	0.0	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.9	0.9	0.9
82.5°	0.0	0.0	0.9	0.9	0.9
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)