

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: P1178225

Luminaire Tested: LDA2B058035R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178225
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: LDA2B058035R2060D010 2LBDC1MMS
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

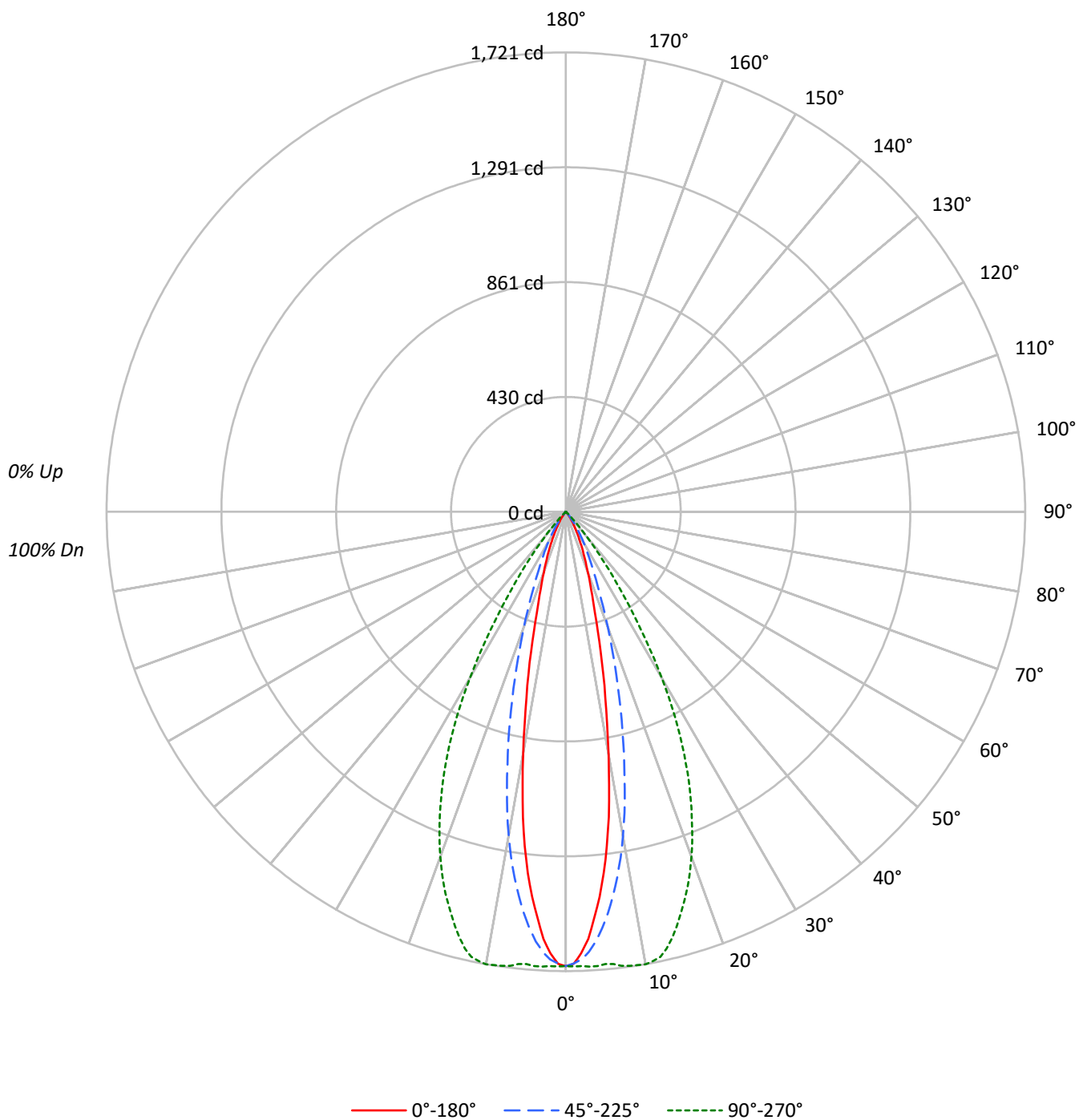
Lumens per Lamp: N/A
Luminaire Lumens: 678.0 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	839899	839899	839899
5°	717216	775259	842315
10°	461797	618050	862374
15°	236893	412239	820647
20°	126531	240881	721804
25°	70550	132063	587097
30°	37599	75198	408977
35°	16382	36257	213208
40°	4766	10627	80762
45°	1186	2861	12071
50°	614	614	1305
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°	140.5	20.7
10°-20°	255.8	37.7
20°-30°	193.9	28.6
30°-40°	77.6	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°	590.2	87.0
0°-40°	667.8	98.5
0°-60°	676.4	99.8
0°-90°	678.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	678.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1702	1702	1702	1702	1702	
5°	1448	1480	1565	1656	1701	121
15°	464	538	807	1329	1607	133
25°	130	151	243	693	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°	1702.4	1702.4	1702.4	1702.4	1702.4
1°	1693.3	1694.1	1692.5	1695.0	1703.2
2°	1655.4	1667.7	1678.5	1689.2	1703.2
3°	1602.6	1617.4	1651.2	1685.1	1706.5
4°	1525.0	1555.5	1613.3	1675.2	1706.5
5°	1448.2	1480.4	1565.4	1656.2	1700.8
6°	1360.8	1407.0	1510.1	1638.0	1704.1
7°	1261.7	1318.7	1449.1	1626.5	1714.0
8°	1154.5	1218.8	1382.2	1601.7	1718.1
9°	1035.6	1114.0	1311.3	1572.0	1719.7
10°	921.8	1004.3	1233.7	1538.2	1721.4
11°	807.9	893.7	1149.5	1505.2	1714.8
12°	711.3	793.0	1061.2	1470.5	1704.9
13°	622.2	701.4	973.7	1429.3	1679.3
14°	539.7	617.3	889.6	1381.4	1645.5
15°	463.8	538.0	807.1	1328.6	1606.7
16°	395.3	464.6	727.8	1270.0	1563.8
17°	345.8	401.1	653.6	1208.1	1521.7
18°	307.0	348.2	583.4	1147.0	1477.1
19°	272.3	305.3	518.2	1083.5	1427.6
20°	241.0	270.7	458.8	1017.5	1374.8
21°	214.6	240.1	403.5	952.3	1321.2
22°	191.4	213.7	354.0	887.9	1262.6
23°	170.0	189.8	311.9	822.7	1204.0
24°	149.4	170.8	274.8	756.7	1142.9
25°	129.6	151.0	242.6	693.2	1078.5
26°	113.9	133.7	215.4	631.3	1011.7
27°	98.2	118.8	191.4	571.9	944.0
28°	85.8	104.8	170.0	514.9	870.6
29°	74.3	92.4	150.2	458.8	795.5
30°	66.0	80.0	132.0	406.0	717.9
32.5°	45.4	53.6	92.4	285.5	524.0
35°	27.2	33.8	60.2	183.2	354.0
37.5°	14.9	18.2	34.7	109.8	222.8
40°	7.4	9.1	16.5	53.6	125.4
42.5°	3.3	4.1	7.4	20.6	53.6
45°	1.7	2.5	4.1	8.3	17.3
47.5°	0.8	1.7	1.7	3.3	5.0
50°	0.8	0.8	0.8	1.7	1.7
52.5°	0.8	0.8	0.8	1.7	1.7
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)