

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: P1178259

Luminaire Tested: LDA2B058040R2060D010 2LBD1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178259
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: LDA2B058040R2060D010 2LBD1MW
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

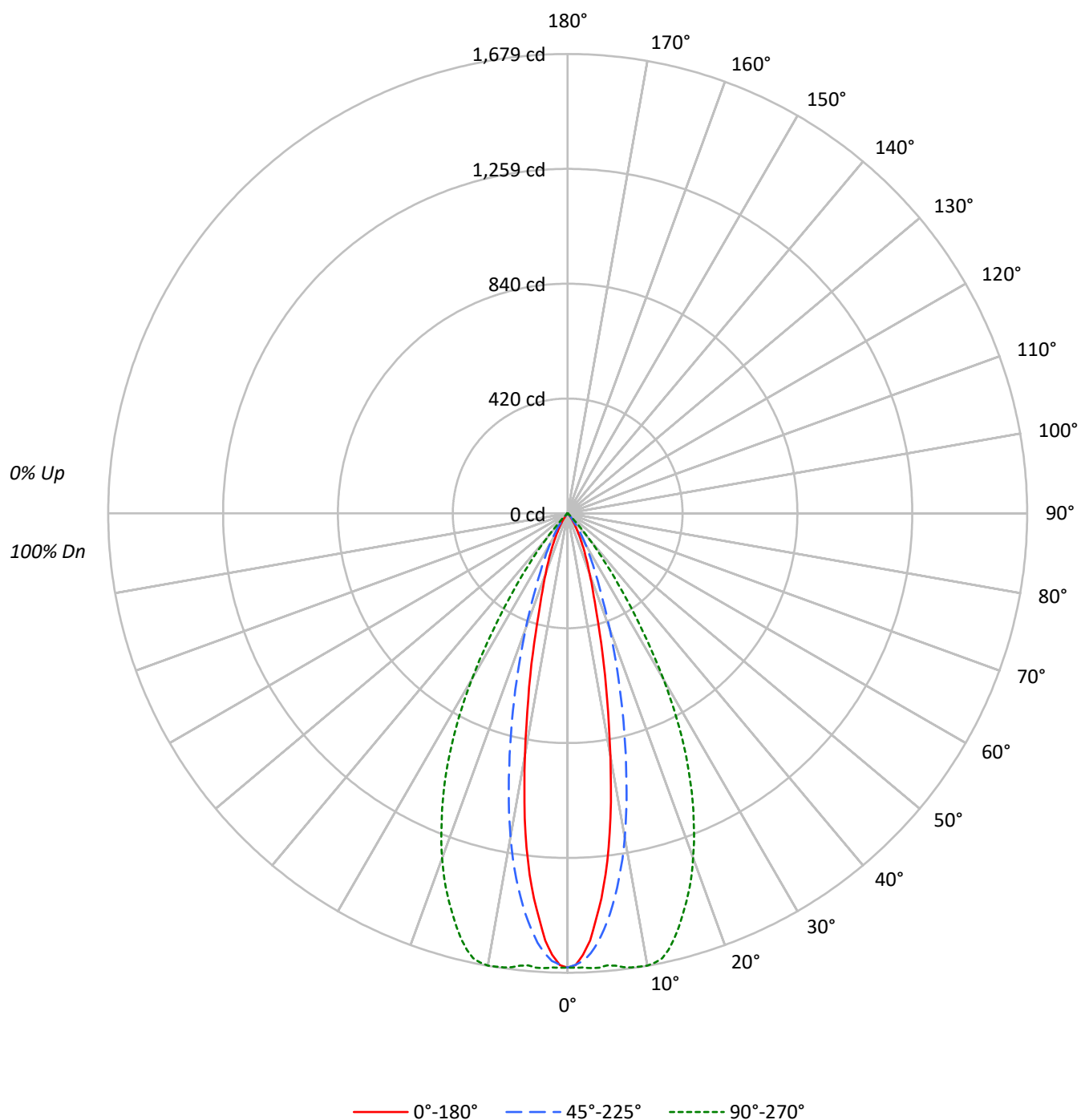
Lumens per Lamp: N/A
Luminaire Lumens: 661.3 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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°	819079	819079	819079
5°	699436	756043	821416
10°	450324	602720	840983
15°	231019	401973	800268
20°	123381	234896	703901
25°	68753	128797	572563
30°	36688	73375	398837
35°	16021	35354	207908
40°	4637	10369	78766
45°	1116	2791	11791
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: 11791 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.0	20.7
10°-20°	249.4	37.7
20°-30°	189.1	28.6
30°-40°	75.6	11.4
40°-50°	7.7	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°	575.5	87.0
0°-40°	651.2	98.5
0°-60°	659.6	99.8
0°-90°	661.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	661.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1660	1660	1660	1660	1660	
5°	1412	1444	1527	1615	1659	118
15°	452	525	787	1296	1567	129
25°	126	147	237	676	1052	60
35°	27	33	59	179	345	18
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°	1660.2	1660.2	1660.2	1660.2	1660.2
1°	1651.3	1652.1	1650.5	1652.9	1661.0
2°	1614.3	1626.4	1636.8	1647.3	1661.0
3°	1562.8	1577.3	1610.3	1643.3	1664.2
4°	1487.2	1516.9	1573.3	1633.6	1664.2
5°	1412.3	1443.7	1526.6	1615.1	1658.6
6°	1327.0	1372.1	1472.7	1597.4	1661.8
7°	1230.4	1286.0	1413.1	1586.1	1671.4
8°	1125.8	1188.6	1347.9	1562.0	1675.5
9°	1009.9	1086.4	1278.7	1533.0	1677.1
10°	898.9	979.4	1203.1	1500.0	1678.7
11°	787.8	871.5	1121.0	1467.8	1672.2
12°	693.7	773.4	1034.9	1434.0	1662.6
13°	606.8	684.0	949.6	1393.8	1637.6
14°	526.3	601.9	867.5	1347.1	1604.6
15°	452.3	524.7	787.0	1295.6	1566.8
16°	385.5	453.1	709.8	1238.5	1525.0
17°	337.2	391.1	637.4	1178.1	1483.9
18°	299.4	339.6	568.9	1118.6	1440.5
19°	265.6	297.8	505.4	1056.6	1392.2
20°	235.0	264.0	447.4	992.2	1340.7
21°	209.2	234.2	393.5	928.7	1288.4
22°	186.7	208.4	345.2	865.9	1231.2
23°	165.8	185.1	304.2	802.3	1174.1
24°	145.7	166.6	268.0	737.9	1114.6
25°	126.3	147.3	236.6	676.0	1051.8
26°	111.1	130.4	210.0	615.6	986.6
27°	95.8	115.9	186.7	557.7	920.6
28°	83.7	102.2	165.8	502.2	849.0
29°	72.4	90.1	146.5	447.4	775.8
30°	64.4	78.1	128.8	395.9	700.1
32.5°	44.3	52.3	90.1	278.4	511.0
35°	26.6	33.0	58.7	178.7	345.2
37.5°	14.5	17.7	33.8	107.0	217.3
40°	7.2	8.9	16.1	52.3	122.3
42.5°	3.2	4.0	7.2	20.1	52.3
45°	1.6	2.4	4.0	8.0	16.9
47.5°	0.8	1.6	1.6	3.2	4.8
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)