

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: P1178296

Luminaire Tested: LDA2B058050R2060D010 2LBD1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178296
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 2LBD1MB
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

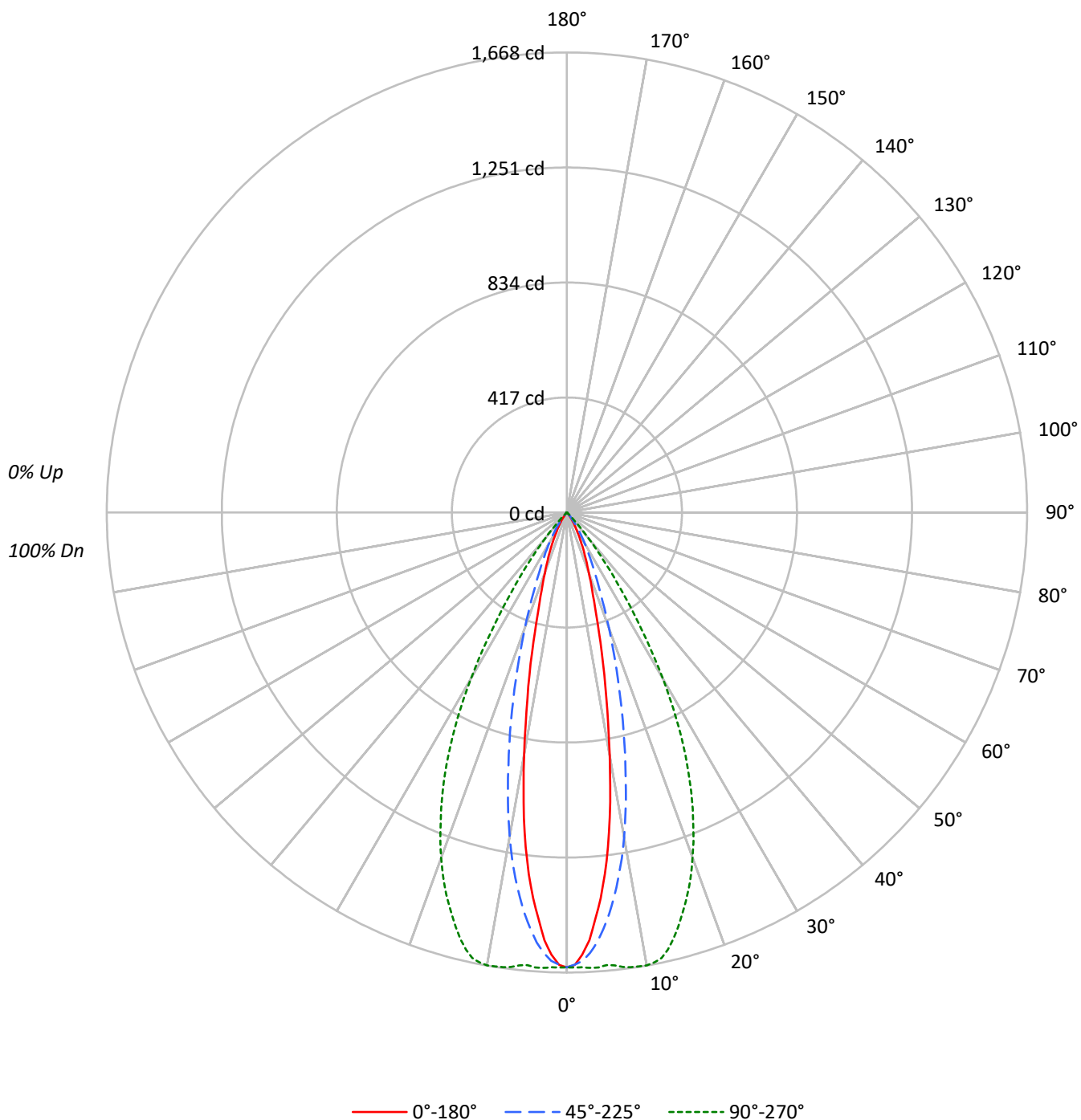
Lumens per Lamp: N/A
Luminaire Lumens: 657.0 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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°	813702	813702	813702
5°	694880	751091	816017
10°	447369	598763	835472
15°	229487	399368	795058
20°	122593	233373	699333
25°	68318	127980	568806
30°	36460	72863	396273
35°	15900	35173	206583
40°	4637	10305	78251
45°	1116	2791	11722
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: 11722 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.1	20.7
10°-20°	247.8	37.7
20°-30°	187.9	28.6
30°-40°	75.2	11.4
40°-50°	7.6	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°	571.8	87.0
0°-40°	647.0	98.5
0°-60°	655.4	99.8
0°-90°	657.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	657.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1649	1649	1649	1649	1649	
5°	1403	1434	1517	1605	1648	117
15°	449	521	782	1287	1557	129
25°	126	146	235	672	1045	59
35°	26	33	58	178	343	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°	1649.3	1649.3	1649.3	1649.3	1649.3
1°	1640.6	1641.4	1639.8	1642.2	1650.1
2°	1603.8	1615.8	1626.2	1636.6	1650.1
3°	1552.6	1567.0	1599.8	1632.6	1653.3
4°	1477.5	1507.0	1563.0	1623.0	1653.3
5°	1403.1	1434.3	1516.6	1604.6	1647.7
6°	1318.4	1363.1	1463.1	1587.0	1650.9
7°	1222.4	1277.6	1403.9	1575.8	1660.5
8°	1118.5	1180.8	1339.1	1551.8	1664.5
9°	1003.4	1079.3	1270.4	1523.0	1666.1
10°	893.0	973.0	1195.2	1490.3	1667.7
11°	782.7	865.8	1113.7	1458.3	1661.3
12°	689.2	768.3	1028.1	1424.7	1651.7
13°	602.8	679.6	943.4	1384.7	1627.0
14°	522.9	598.0	861.9	1338.3	1594.2
15°	449.3	521.3	781.9	1287.2	1556.6
16°	383.0	450.1	705.2	1230.4	1515.0
17°	335.0	388.6	633.2	1170.5	1474.3
18°	297.4	337.4	565.2	1111.3	1431.1
19°	263.8	295.8	502.1	1049.7	1383.1
20°	233.5	262.2	444.5	985.8	1332.0
21°	207.9	232.7	391.0	922.6	1280.0
22°	185.5	207.1	343.0	860.3	1223.2
23°	164.7	183.9	302.2	797.1	1166.5
24°	144.7	165.5	266.2	733.1	1107.3
25°	125.5	146.3	235.1	671.6	1044.9
26°	110.3	129.5	208.7	611.6	980.2
27°	95.1	115.1	185.5	554.0	914.6
28°	83.1	101.5	164.7	498.9	843.5
29°	72.0	89.5	145.5	444.5	770.7
30°	64.0	77.6	127.9	393.3	695.6
32.5°	44.0	52.0	89.5	276.6	507.7
35°	26.4	32.8	58.4	177.5	343.0
37.5°	14.4	17.6	33.6	106.3	215.9
40°	7.2	8.8	16.0	52.0	121.5
42.5°	3.2	4.0	7.2	20.0	52.0
45°	1.6	2.4	4.0	8.0	16.8
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)