

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: P1178769

Luminaire Tested: LDA2B108040R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178769
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: LDA2B108040R2060D010 2LBDC1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

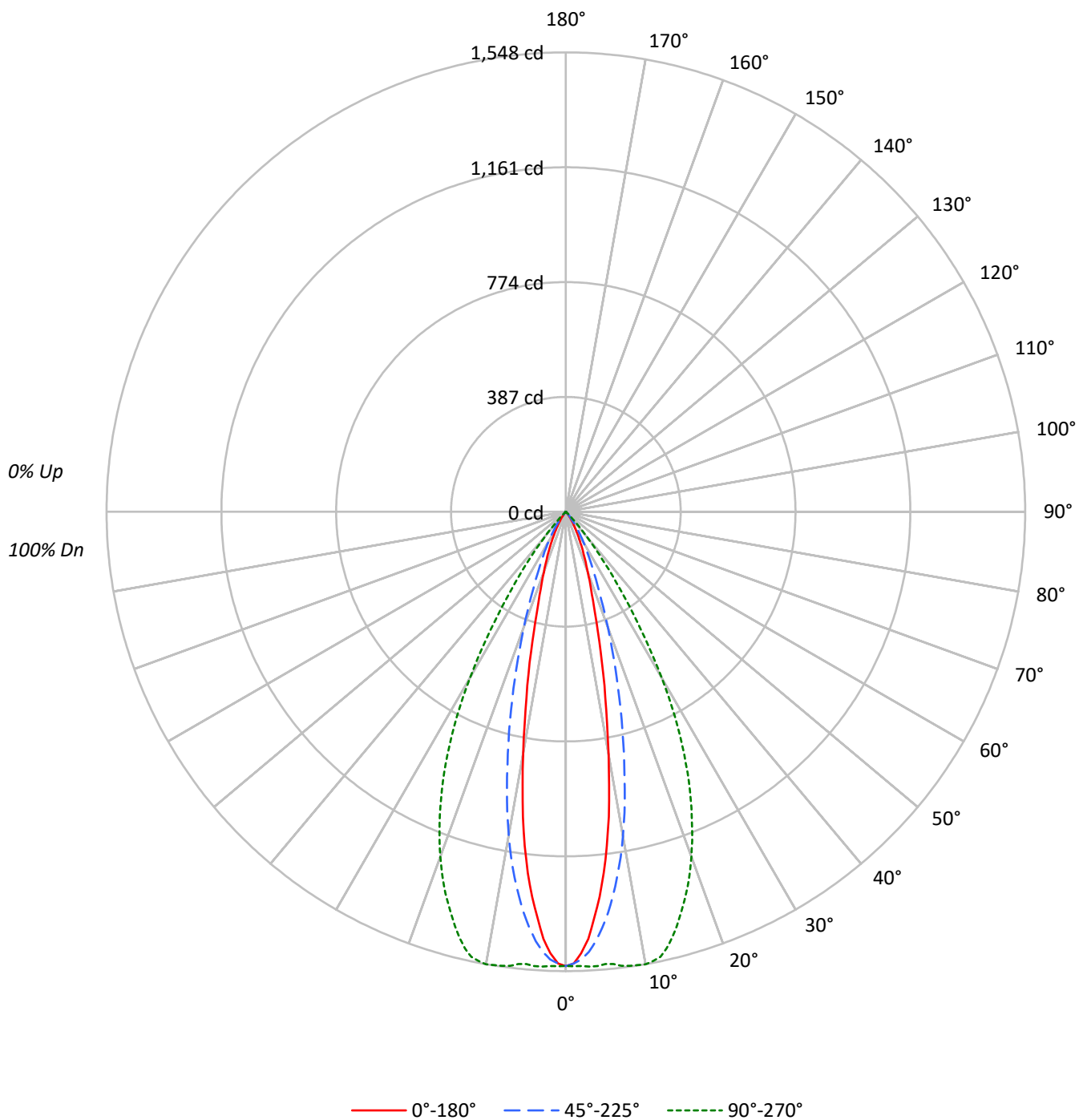
Lumens per Lamp: N/A
Luminaire Lumens: 609.7 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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	67	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	755386	755386	755386
5°	645058	697257	757529
10°	415306	555829	775606
15°	213040	370714	738056
20°	113773	216625	649193
25°	63418	118780	528034
30°	33839	67622	367846
35°	14756	32644	191767
40°	4315	9532	72647
45°	1047	2582	10884
50°	537	537	1151
55°	602	602	602
60°	0	691	691
65°	0	817	817
70°	0	1010	1010
75°	0	1334	1334
80°	0	1989	1989
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 10884 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	20.7
10°-20°	230.0	37.7
20°-30°	174.4	28.6
30°-40°	69.8	11.4
40°-50°	7.1	1.2
50°-60°	0.7	0.1
60°-70°	0.6	0.1
70°-80°	0.6	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°	530.8	87.1
0°-40°	600.6	98.5
0°-60°	608.3	99.8
0°-90°	609.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	609.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1531	1531	1531	1531	1531	
5°	1302	1332	1408	1490	1530	109
15°	417	484	726	1195	1445	119
25°	116	136	218	623	970	55
35°	24	30	54	165	318	17
45°	2	2	4	7	16	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°	1531.1	1531.1	1531.1	1531.1	1531.1
1°	1522.9	1523.7	1522.2	1524.4	1531.8
2°	1488.8	1499.9	1509.6	1519.2	1531.8
3°	1441.3	1454.7	1485.1	1515.5	1534.8
4°	1371.5	1399.0	1450.9	1506.6	1534.8
5°	1302.5	1331.5	1407.9	1489.5	1529.6
6°	1223.8	1265.4	1358.2	1473.2	1532.6
7°	1134.8	1186.0	1303.3	1462.8	1541.5
8°	1038.3	1096.2	1243.1	1440.6	1545.2
9°	931.4	1001.9	1179.3	1413.8	1546.7
10°	829.0	903.2	1109.5	1383.4	1548.2
11°	726.6	803.8	1033.8	1353.7	1542.2
12°	639.8	713.2	954.4	1322.5	1533.3
13°	559.6	630.8	875.8	1285.4	1510.3
14°	485.4	555.1	800.1	1242.4	1479.9
15°	417.1	483.9	725.8	1194.9	1445.0
16°	355.5	417.8	654.6	1142.2	1406.4
17°	311.0	360.7	587.8	1086.5	1368.6
18°	276.1	313.2	524.7	1031.6	1328.5
19°	244.9	274.6	466.1	974.5	1284.0
20°	216.7	243.4	412.6	915.1	1236.5
21°	193.0	216.0	362.9	856.5	1188.2
22°	172.2	192.2	318.4	798.6	1135.5
23°	152.9	170.7	280.5	739.9	1082.8
24°	134.3	153.6	247.1	680.6	1027.9
25°	116.5	135.8	218.2	623.4	970.0
26°	102.4	120.2	193.7	567.8	909.9
27°	88.3	106.9	172.2	514.3	849.0
28°	77.2	94.3	152.9	463.1	783.0
29°	66.8	83.1	135.1	412.6	715.5
30°	59.4	72.0	118.7	365.1	645.7
32.5°	40.8	48.2	83.1	256.8	471.3
35°	24.5	30.4	54.2	164.8	318.4
37.5°	13.4	16.3	31.2	98.7	200.4
40°	6.7	8.2	14.8	48.2	112.8
42.5°	3.0	3.7	6.7	18.6	48.2
45°	1.5	2.2	3.7	7.4	15.6
47.5°	0.7	1.5	1.5	3.0	4.5
50°	0.7	0.7	0.7	1.5	1.5
52.5°	0.7	0.7	0.7	1.5	1.5
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.0	0.7	0.7	0.7	0.7
60°	0.0	0.7	0.7	0.7	0.7
62.5°	0.0	0.7	0.7	0.7	0.7
65°	0.0	0.7	0.7	0.7	0.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.7	0.7	0.7	0.7
70°	0.0	0.7	0.7	0.7	0.7
72.5°	0.0	0.7	0.7	0.7	0.7
75°	0.0	0.7	0.7	0.7	0.7
77.5°	0.0	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.7	0.7	0.7
82.5°	0.0	0.0	0.7	0.7	0.7
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)