

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: P1178808

Luminaire Tested: LDA2B108050R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178808
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: LDA2B108050R2060D010 2LBDC1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

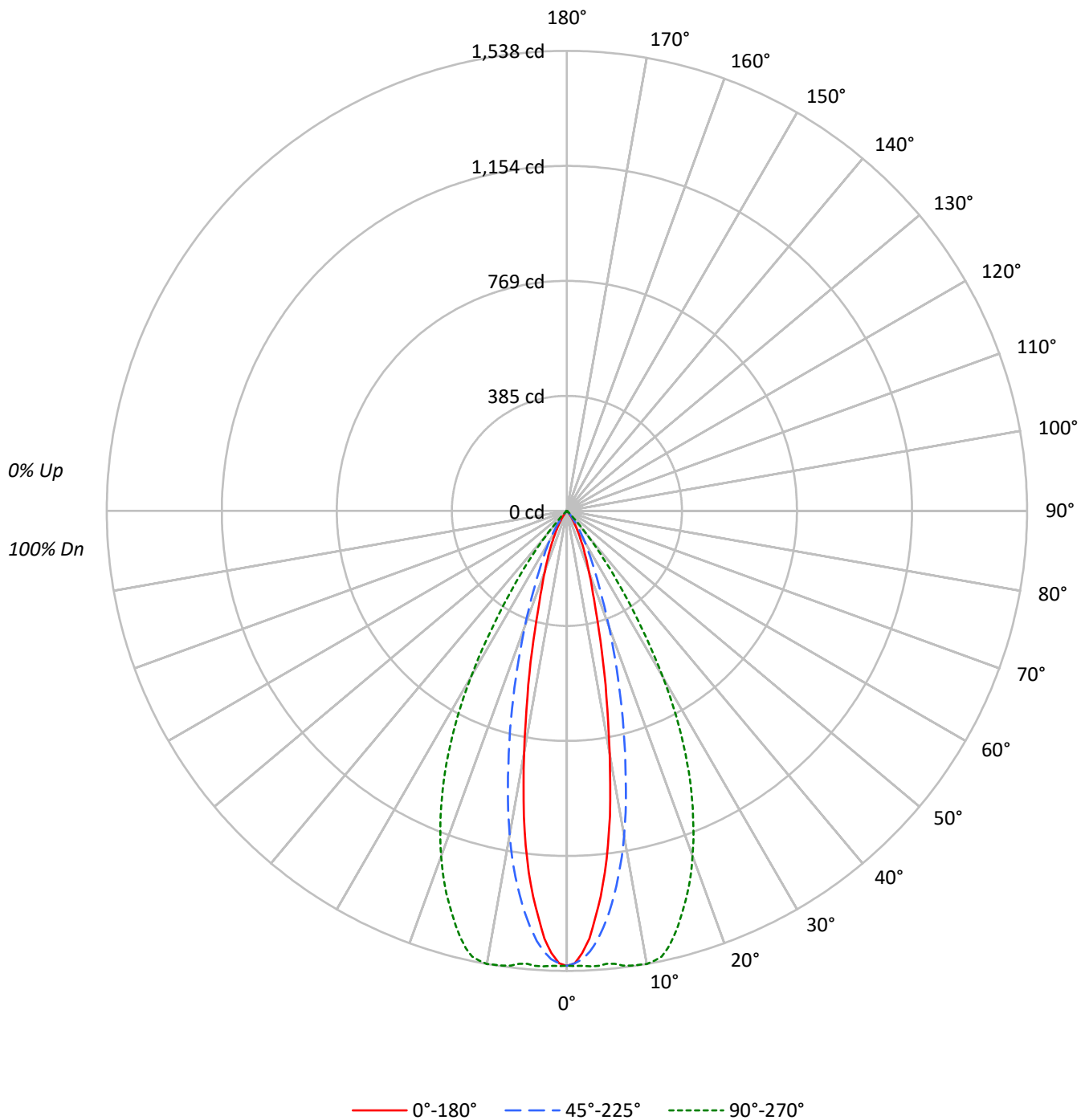
Lumens per Lamp: N/A
Luminaire Lumens: 605.8 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1178808

CATALOG NUMBER: LDA2B108050R2060D010 2LBDC1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1178808

CATALOG NUMBER: LDA2B108050R2060D010 2LBDC1MW

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	114	112	110	108	112	110	108	106		106	104	103			102	101	100			99
2	110	106	102	99	108	104	101	98		101	98	96			98	96	94			95
3	105	100	96	92	103	99	95	92		96	93	90			94	91	89			91
4	101	95	90	87	99	94	89	86		92	88	85			90	87	84			88
5	97	90	85	82	96	89	85	81		88	84	81			86	83	80			85
6	93	86	81	77	92	85	81	77		84	80	77			83	79	76			81
7	90	82	77	74	89	81	77	73		80	76	73			79	75	73			78
8	86	79	74	70	85	78	73	70		77	73	70			76	72	69			75
9	83	75	70	67	82	75	70	67		74	70	67			73	69	66			72
10	80	72	67	64	79	72	67	64		71	67	64			70	67	64			70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	750453	750453	750453
5°	640849	692701	752576
10°	412601	552222	770546
15°	211661	368313	733255
20°	113038	215260	644940
25°	63037	118018	524604
30°	33611	67223	365453
35°	14635	32403	190502
40°	4251	9467	72197
45°	1047	2582	10815
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: 10815 cd/sqm

TEST NUMBER: P1178808

CATALOG NUMBER: LDA2B108050R2060D010 2LBDC1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.5	20.7
10°-20°	228.5	37.7
20°-30°	173.3	28.6
30°-40°	69.3	11.4
40°-50°	7.0	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°	527.3	87.1
0°-40°	596.7	98.5
0°-60°	604.4	99.8
0°-90°	605.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	605.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1521	1521	1521	1521	1521	
5°	1294	1323	1399	1480	1520	108
15°	414	481	721	1187	1436	119
25°	116	135	217	619	964	55
35°	24	30	54	164	316	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

TEST NUMBER: P1178808

CATALOG NUMBER: LDA2B108050R2060D010 2LBDC1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1521.1	1521.1	1521.1	1521.1	1521.1
1°	1513.0	1513.7	1512.3	1514.5	1521.9
2°	1479.1	1490.1	1499.7	1509.3	1521.9
3°	1431.9	1445.2	1475.4	1505.6	1524.8
4°	1362.6	1389.9	1441.5	1496.8	1524.8
5°	1294.0	1322.8	1398.7	1479.8	1519.6
6°	1215.9	1257.2	1349.3	1463.6	1522.6
7°	1127.4	1178.3	1294.8	1453.3	1531.4
8°	1031.5	1089.0	1235.0	1431.2	1535.1
9°	925.4	995.4	1171.6	1404.6	1536.6
10°	823.6	897.3	1102.3	1374.4	1538.1
11°	721.8	798.5	1027.1	1344.9	1532.2
12°	635.6	708.6	948.2	1313.9	1523.3
13°	555.9	626.7	870.1	1277.1	1500.5
14°	482.2	551.5	794.8	1234.3	1470.2
15°	414.4	480.7	721.1	1187.1	1435.6
16°	353.2	415.1	650.3	1134.8	1397.2
17°	308.9	358.3	584.0	1079.5	1359.6
18°	274.3	311.2	521.3	1024.9	1319.8
19°	243.3	272.8	463.0	968.1	1275.6
20°	215.3	241.8	410.0	909.1	1228.4
21°	191.7	214.6	360.6	850.9	1180.5
22°	171.1	191.0	316.3	793.4	1128.1
23°	151.9	169.6	278.7	735.1	1075.8
24°	133.5	152.6	245.5	676.1	1021.2
25°	115.8	134.9	216.8	619.4	963.7
26°	101.8	119.4	192.4	564.1	904.0
27°	87.7	106.2	171.1	511.0	843.5
28°	76.7	93.6	151.9	460.1	777.9
29°	66.4	82.6	134.2	410.0	710.8
30°	59.0	71.5	118.0	362.8	641.5
32.5°	40.6	47.9	82.6	255.1	468.2
35°	24.3	30.2	53.8	163.7	316.3
37.5°	13.3	16.2	31.0	98.1	199.1
40°	6.6	8.1	14.7	47.9	112.1
42.5°	2.9	3.7	6.6	18.4	47.9
45°	1.5	2.2	3.7	7.4	15.5
47.5°	0.7	1.5	1.5	2.9	4.4
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



TEST NUMBER: P1178808

CATALOG NUMBER: LDA2B108050R2060D010 2LBDC1MW

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)