

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: P1178694

Luminaire Tested: LDA2B108030R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178694
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: LDA2B108030R2060D010 2LBDC1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

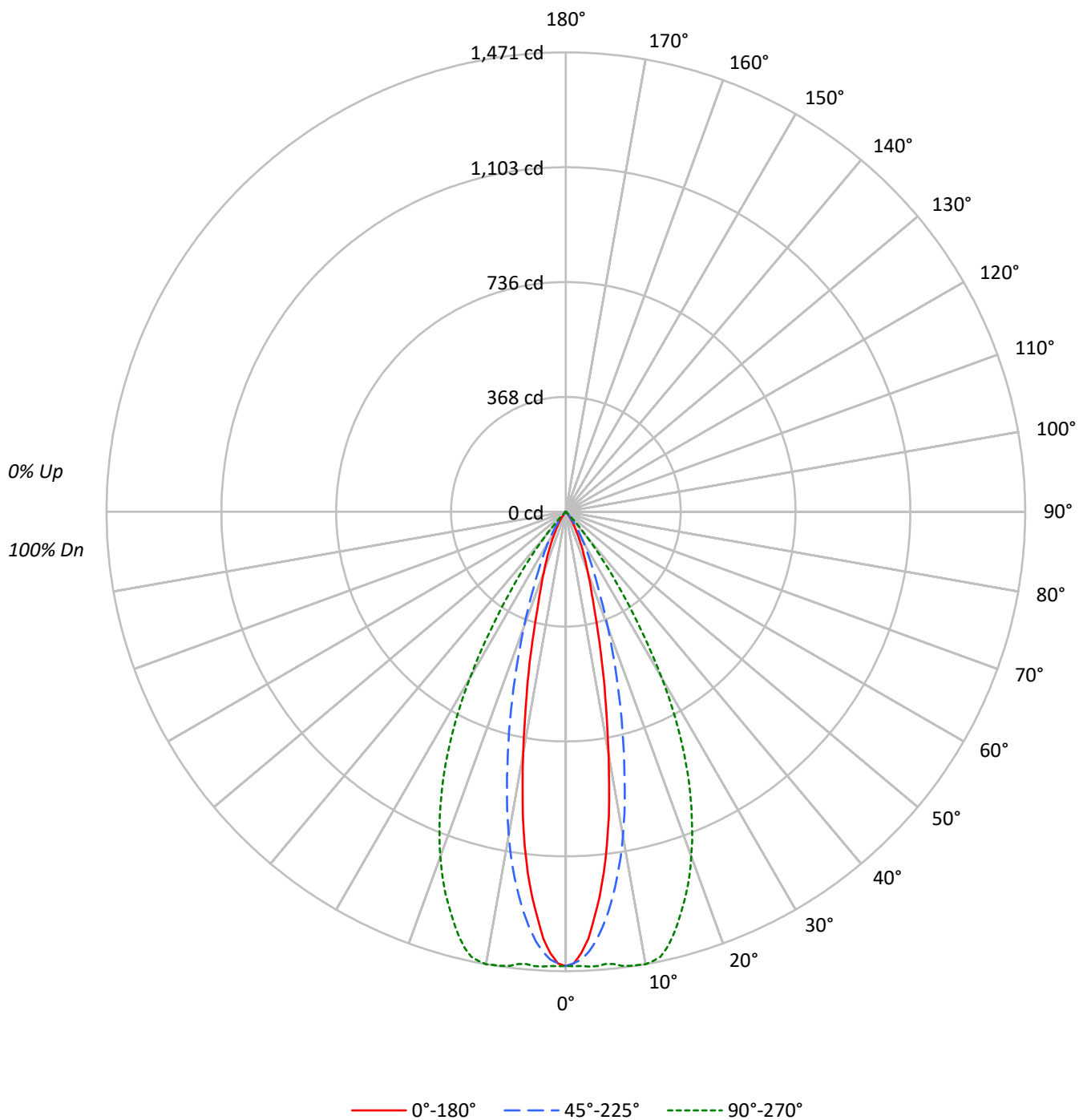
Lumens per Lamp: N/A
Luminaire Lumens: 579.5 lumens
Efficiency: N/A
Efficacy: 57.9 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	717743	717743	717743
5°	612917	662491	719791
10°	394616	528125	736931
15°	202416	352275	701281
20°	108103	205862	616799
25°	60261	112847	501741
30°	32130	64260	349502
35°	14033	31018	182191
40°	4057	9081	69041
45°	977	2442	10326
50°	537	537	1075
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: 10326 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.1	20.7
10°-20°	218.6	37.7
20°-30°	165.7	28.6
30°-40°	66.3	11.4
40°-50°	6.7	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°	504.3	87.0
0°-40°	570.6	98.5
0°-60°	578.0	99.8
0°-90°	579.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	579.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1455	1455	1455	1455	1455	
5°	1238	1265	1338	1415	1453	104
15°	396	460	690	1135	1373	113
25°	111	129	207	592	922	52
35°	23	29	52	157	302	16
45°	1	2	4	7	15	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°	1454.8	1454.8	1454.8	1454.8	1454.8
1°	1447.0	1447.7	1446.3	1448.4	1455.5
2°	1414.6	1425.2	1434.3	1443.5	1455.5
3°	1369.5	1382.2	1411.1	1440.0	1458.3
4°	1303.2	1329.3	1378.6	1431.5	1458.3
5°	1237.6	1265.1	1337.7	1415.3	1453.4
6°	1162.8	1202.3	1290.5	1399.8	1456.2
7°	1078.2	1126.9	1238.3	1389.9	1464.7
8°	986.6	1041.6	1181.2	1368.8	1468.2
9°	885.0	952.0	1120.5	1343.4	1469.6
10°	787.7	858.2	1054.2	1314.5	1471.0
11°	690.4	763.7	982.3	1286.3	1465.4
12°	607.9	677.7	906.9	1256.6	1456.9
13°	531.7	599.4	832.1	1221.4	1435.0
14°	461.2	527.5	760.2	1180.5	1406.1
15°	396.3	459.8	689.7	1135.3	1373.0
16°	337.8	397.0	622.0	1085.3	1336.3
17°	295.5	342.7	558.5	1032.4	1300.4
18°	262.3	297.6	498.6	980.2	1262.3
19°	232.7	260.9	442.9	925.9	1220.0
20°	205.9	231.3	392.1	869.5	1174.8
21°	183.3	205.2	344.8	813.8	1129.0
22°	163.6	182.6	302.5	758.8	1078.9
23°	145.3	162.2	266.6	703.1	1028.9
24°	127.6	146.0	234.8	646.7	976.7
25°	110.7	129.0	207.3	592.4	921.7
26°	97.3	114.2	184.1	539.5	864.6
27°	83.9	101.5	163.6	488.7	806.7
28°	73.3	89.6	145.3	440.0	744.0
29°	63.5	79.0	128.3	392.1	679.8
30°	56.4	68.4	112.8	347.0	613.5
32.5°	38.8	45.8	79.0	244.0	447.8
35°	23.3	28.9	51.5	156.6	302.5
37.5°	12.7	15.5	29.6	93.8	190.4
40°	6.3	7.8	14.1	45.8	107.2
42.5°	2.8	3.5	6.3	17.6	45.8
45°	1.4	2.1	3.5	7.1	14.8
47.5°	0.7	1.4	1.4	2.8	4.2
50°	0.7	0.7	0.7	1.4	1.4
52.5°	0.7	0.7	0.7	1.4	1.4
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)