

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: P1179109

Luminaire Tested: LDA2B109730R2060D010 2LBD1GPH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179109
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: LDA2B109730R2060D010 2LBD1GPH
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

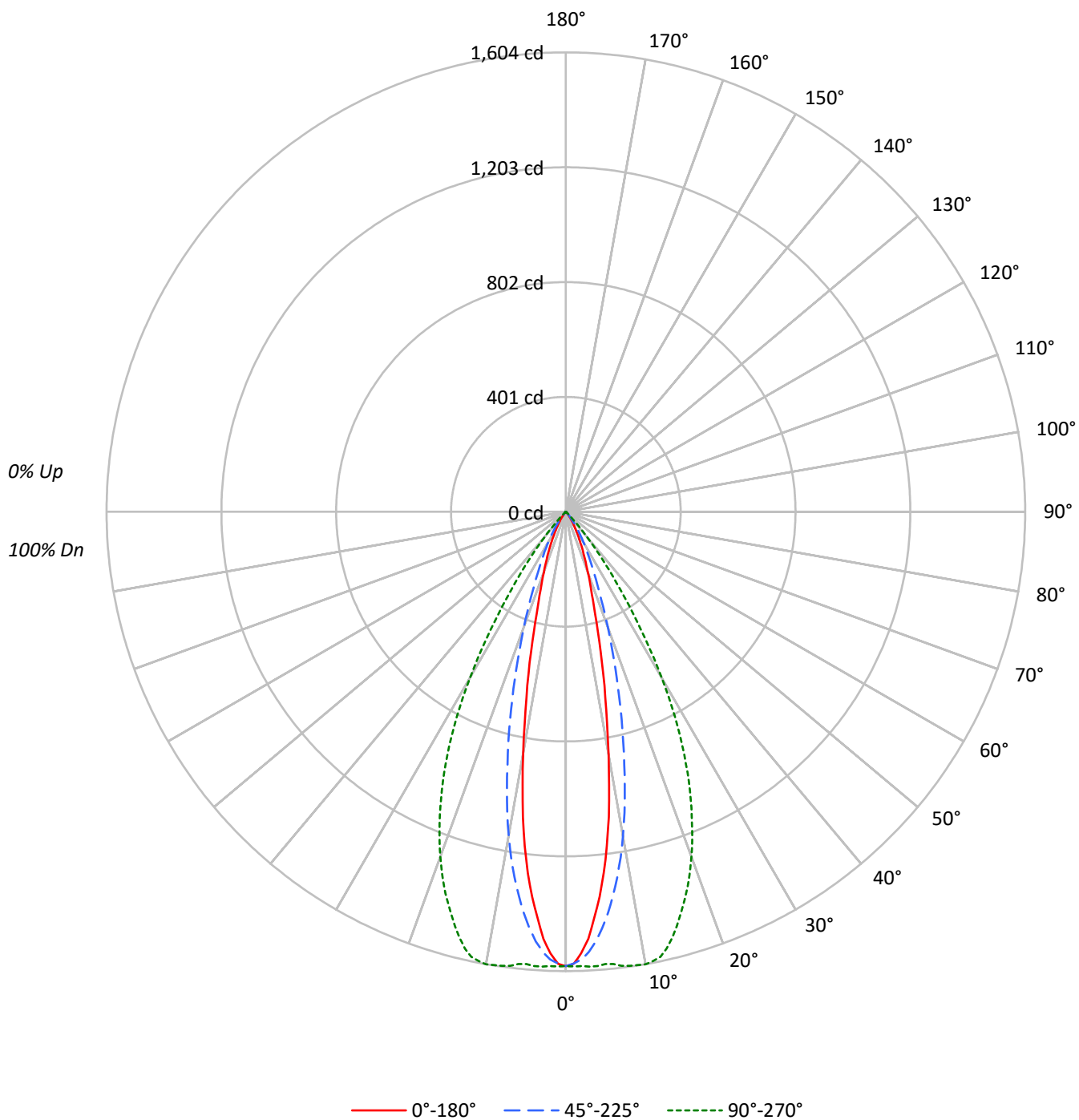
Lumens per Lamp: N/A
Luminaire Lumens: 632.1 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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					0
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°	782768	782768	782768
5°	668484	722564	785015
10°	430386	576018	803710
15°	220753	384198	764821
20°	117921	224501	672714
25°	65705	123081	547195
30°	35036	70128	381176
35°	15298	33788	198693
40°	4444	9918	75288
45°	1047	2651	11303
50°	614	614	1151
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: 11303 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.0	20.7
10°-20°	238.4	37.7
20°-30°	180.7	28.6
30°-40°	72.3	11.4
40°-50°	7.3	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°	550.0	87.0
0°-40°	622.3	98.5
0°-60°	630.4	99.7
0°-90°	632.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	632.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1587	1587	1587	1587	1587	
5°	1350	1380	1459	1544	1585	113
15°	432	502	752	1238	1497	124
25°	121	141	226	646	1005	57
35°	25	32	56	171	330	17
45°	2	2	4	8	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°	1586.6	1586.6	1586.6	1586.6	1586.6
1°	1578.2	1579.0	1577.4	1579.7	1587.4
2°	1542.8	1554.3	1564.3	1574.3	1587.4
3°	1493.6	1507.4	1539.0	1570.5	1590.5
4°	1421.3	1449.7	1503.6	1561.3	1590.5
5°	1349.8	1379.8	1459.0	1543.6	1585.1
6°	1268.2	1311.3	1407.4	1526.7	1588.2
7°	1175.9	1229.0	1350.5	1515.9	1597.4
8°	1076.0	1136.0	1288.2	1492.8	1601.3
9°	965.2	1038.3	1222.1	1465.1	1602.8
10°	859.1	936.0	1149.8	1433.6	1604.3
11°	752.9	832.9	1071.4	1402.8	1598.2
12°	663.0	739.1	989.1	1370.5	1589.0
13°	579.9	653.7	907.5	1332.1	1565.1
14°	503.0	575.3	829.1	1287.5	1533.6
15°	432.2	501.5	752.2	1238.2	1497.4
16°	368.4	433.0	678.3	1183.6	1457.4
17°	322.3	373.8	609.1	1126.0	1418.2
18°	286.1	324.6	543.8	1069.0	1376.7
19°	253.8	284.6	483.0	1009.8	1330.5
20°	224.6	252.3	427.6	948.3	1281.3
21°	200.0	223.8	376.1	887.5	1231.3
22°	178.4	199.2	329.9	827.5	1176.7
23°	158.4	176.9	290.7	766.8	1122.1
24°	139.2	159.2	256.1	705.3	1065.2
25°	120.7	140.7	226.1	646.0	1005.2
26°	106.1	124.6	200.7	588.4	942.9
27°	91.5	110.7	178.4	533.0	879.8
28°	80.0	97.7	158.4	479.9	811.4
29°	69.2	86.1	140.0	427.6	741.4
30°	61.5	74.6	123.1	378.4	669.1
32.5°	42.3	50.0	86.1	266.1	488.4
35°	25.4	31.5	56.1	170.7	329.9
37.5°	13.8	16.9	32.3	102.3	207.7
40°	6.9	8.5	15.4	50.0	116.9
42.5°	3.1	3.8	6.9	19.2	50.0
45°	1.5	2.3	3.8	7.7	16.2
47.5°	0.8	1.5	1.5	3.1	4.6
50°	0.8	0.8	0.8	1.5	1.5
52.5°	0.8	0.8	0.8	1.5	1.5
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)