

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: P1179118

Luminaire Tested: LDA2B109730R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179118
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 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

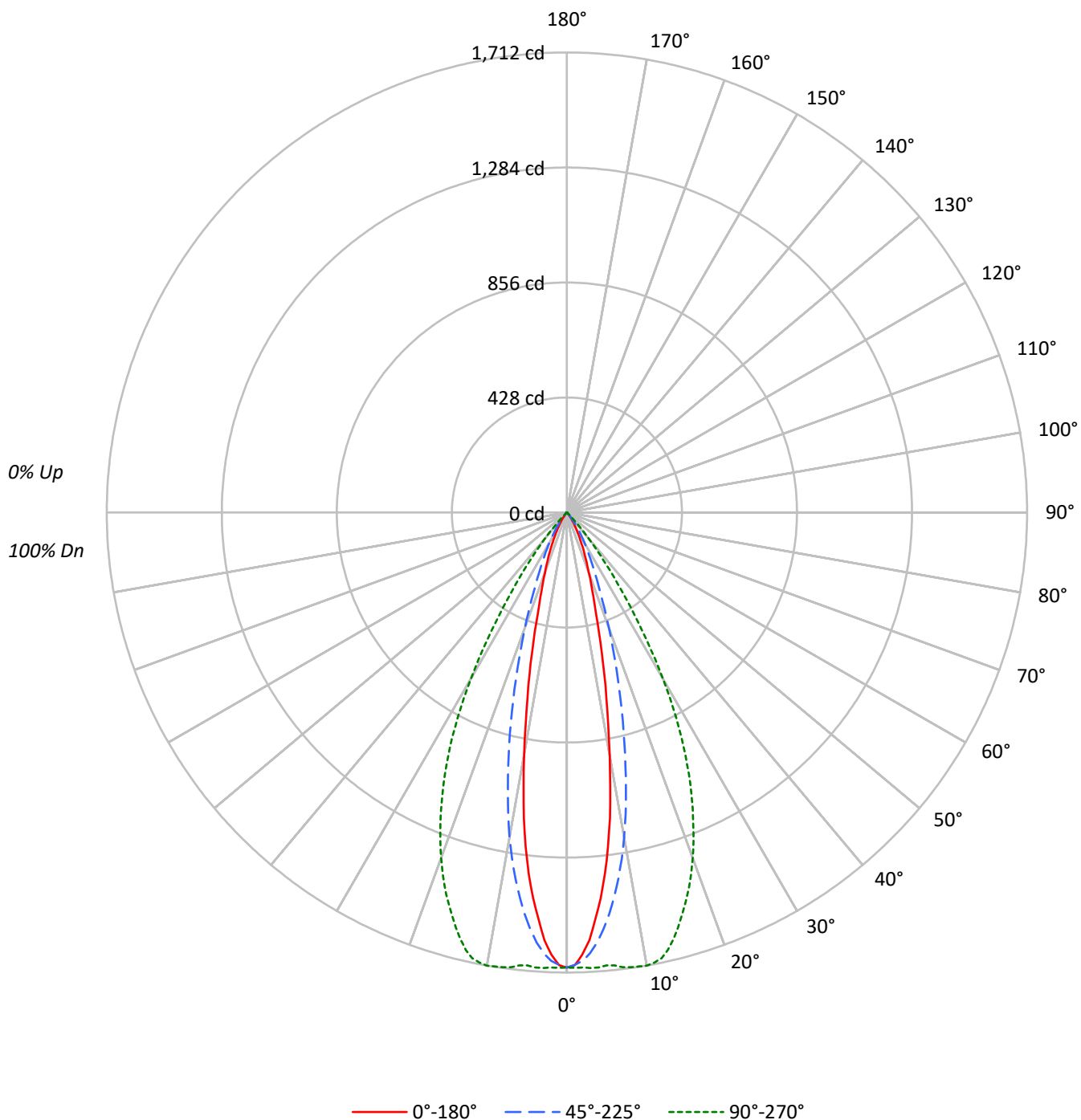
Lumens per Lamp: N/A
Luminaire Lumens: 674.5 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	66	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	835558	835558	835558
5°	713501	771247	837907
10°	459392	614844	857866
15°	235667	410094	816357
20°	125848	239621	718024
25°	70169	131355	584049
30°	37428	74800	406869
35°	16322	36077	212124
40°	4766	10562	80376
45°	1116	2861	12001
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: 12001 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.8	20.7
10°-20°	254.4	37.7
20°-30°	192.9	28.6
30°-40°	77.2	11.4
40°-50°	7.8	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°	587.1	87.0
0°-40°	664.3	98.5
0°-60°	672.9	99.8
0°-90°	674.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	674.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1694	1694	1694	1694	1694	
5°	1441	1473	1557	1648	1692	121
15°	461	535	803	1322	1598	132
25°	129	150	241	690	1073	61
35°	27	34	60	182	352	19
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°	1693.6	1693.6	1693.6	1693.6	1693.6
1°	1684.5	1685.3	1683.7	1686.2	1694.4
2°	1646.8	1659.1	1669.7	1680.4	1694.4
3°	1594.2	1609.0	1642.7	1676.3	1697.7
4°	1517.1	1547.4	1604.9	1666.5	1697.7
5°	1440.7	1472.7	1557.3	1647.6	1691.9
6°	1353.7	1399.7	1502.3	1629.5	1695.2
7°	1255.2	1311.8	1441.5	1618.0	1705.0
8°	1148.5	1212.5	1375.0	1593.4	1709.1
9°	1030.3	1108.2	1304.4	1563.8	1710.8
10°	917.0	999.1	1227.3	1530.2	1712.4
11°	803.7	889.1	1143.5	1497.4	1705.9
12°	707.6	788.9	1055.7	1462.9	1696.0
13°	619.0	697.8	968.7	1421.8	1670.6
14°	536.9	614.0	884.9	1374.2	1636.9
15°	461.4	535.2	802.9	1321.7	1598.3
16°	393.2	462.2	724.0	1263.4	1555.6
17°	344.0	399.0	650.2	1201.8	1513.8
18°	305.4	346.4	580.4	1141.1	1469.4
19°	270.9	303.7	515.5	1077.9	1420.2
20°	239.7	269.3	456.4	1012.2	1367.6
21°	213.4	238.9	401.4	947.3	1314.3
22°	190.5	212.6	352.2	883.3	1256.0
23°	169.1	188.8	310.3	818.5	1197.7
24°	148.6	169.9	273.4	752.8	1137.0
25°	128.9	150.2	241.3	689.6	1072.9
26°	113.3	133.0	214.3	628.0	1006.4
27°	97.7	118.2	190.5	568.9	939.1
28°	85.4	104.3	169.1	512.3	866.1
29°	73.9	91.9	149.4	456.4	791.4
30°	65.7	79.6	131.3	403.9	714.2
32.5°	45.2	53.4	91.9	284.0	521.3
35°	27.1	33.7	59.9	182.2	352.2
37.5°	14.8	18.1	34.5	109.2	221.6
40°	7.4	9.0	16.4	53.4	124.8
42.5°	3.3	4.1	7.4	20.5	53.4
45°	1.6	2.5	4.1	8.2	17.2
47.5°	0.8	1.6	1.6	3.3	4.9
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)