

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: P1179001

Luminaire Tested: LDA2B109040R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179001
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: LDA2B109040R2060D010 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

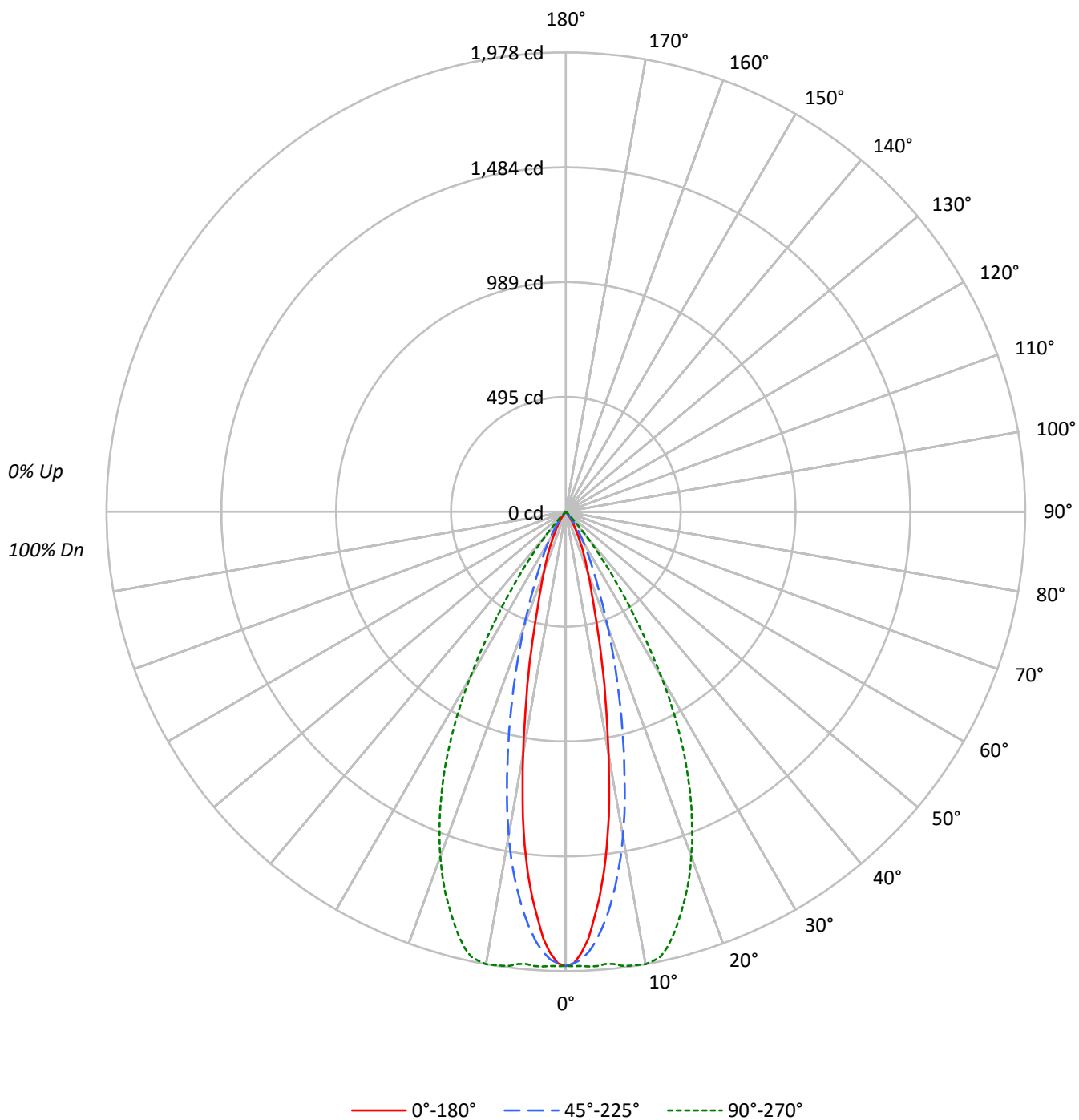
Lumens per Lamp: N/A
Luminaire Lumens: 779.0 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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°	965114	965114	965114
5°	824139	890849	967860
10°	530630	710179	990924
15°	272187	473684	942976
20°	145379	276793	829434
25°	81056	151769	674631
30°	43239	86421	469990
35°	18851	41678	245009
40°	5474	12237	92806
45°	1326	3279	13885
50°	691	691	1458
55°	774	774	774
60°	0	888	888
65°	0	1051	1051
70°	0	1298	1298
75°	0	1716	1716
80°	0	2557	2557
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 13885 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.5	20.7
10°-20°	293.9	37.7
20°-30°	222.8	28.6
30°-40°	89.1	11.4
40°-50°	9.0	1.2
50°-60°	0.9	0.1
60°-70°	0.8	0.1
70°-80°	0.8	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°	678.2	87.1
0°-40°	767.3	98.5
0°-60°	777.2	99.8
0°-90°	779.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	779.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1956	1956	1956	1956	1956	
5°	1664	1701	1799	1903	1954	139
15°	533	618	927	1527	1846	153
25°	149	174	279	796	1239	71
35°	31	39	69	210	407	22
45°	2	3	5	10	20	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°	1956.2	1956.2	1956.2	1956.2	1956.2
1°	1945.8	1946.7	1944.8	1947.7	1957.2
2°	1902.2	1916.4	1928.7	1941.0	1957.2
3°	1841.5	1858.5	1897.4	1936.3	1960.9
4°	1752.3	1787.4	1853.8	1924.9	1960.9
5°	1664.1	1701.1	1798.8	1903.1	1954.3
6°	1563.6	1616.7	1735.3	1882.2	1958.1
7°	1449.8	1515.3	1665.1	1869.0	1969.5
8°	1326.6	1400.5	1588.3	1840.5	1974.2
9°	1190.0	1280.1	1506.7	1806.4	1976.1
10°	1059.2	1154.0	1417.6	1767.5	1978.0
11°	928.3	1026.9	1320.9	1729.6	1970.4
12°	817.4	911.3	1219.4	1689.7	1959.0
13°	715.0	806.0	1118.9	1642.3	1929.7
14°	620.1	709.3	1022.2	1587.3	1890.8
15°	532.9	618.2	927.4	1526.7	1846.2
16°	454.2	533.9	836.3	1459.3	1796.9
17°	397.3	460.8	751.0	1388.2	1748.5
18°	352.7	400.2	670.4	1318.0	1697.3
19°	312.9	350.8	595.5	1245.0	1640.4
20°	276.9	311.0	527.2	1169.2	1579.8
21°	246.5	275.9	463.7	1094.3	1518.1
22°	220.0	245.6	406.8	1020.3	1450.8
23°	195.3	218.1	358.4	945.4	1383.5
24°	171.6	196.3	315.8	869.5	1313.3
25°	148.9	173.5	278.8	796.5	1239.3
26°	130.9	153.6	247.5	725.4	1162.5
27°	112.8	136.5	220.0	657.1	1084.8
28°	98.6	120.4	195.3	591.7	1000.4
29°	85.3	106.2	172.6	527.2	914.1
30°	75.9	92.0	151.7	466.5	825.0
32.5°	52.2	61.6	106.2	328.1	602.1
35°	31.3	38.9	69.2	210.5	406.8
37.5°	17.1	20.9	39.8	126.1	256.0
40°	8.5	10.4	19.0	61.6	144.1
42.5°	3.8	4.7	8.5	23.7	61.6
45°	1.9	2.8	4.7	9.5	19.9
47.5°	0.9	1.9	1.9	3.8	5.7
50°	0.9	0.9	0.9	1.9	1.9
52.5°	0.9	0.9	0.9	1.9	1.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.0	0.9	0.9	0.9	0.9
60°	0.0	0.9	0.9	0.9	0.9
62.5°	0.0	0.9	0.9	0.9	0.9
65°	0.0	0.9	0.9	0.9	0.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.9	0.9	0.9	0.9
70°	0.0	0.9	0.9	0.9	0.9
72.5°	0.0	0.9	0.9	0.9	0.9
75°	0.0	0.9	0.9	0.9	0.9
77.5°	0.0	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.9	0.9	0.9
82.5°	0.0	0.0	0.9	0.9	0.9
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)