

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: P1179468

Luminaire Tested: LDA2B159035R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179468
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: LDA2B159035R2060D010 2LBDC1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

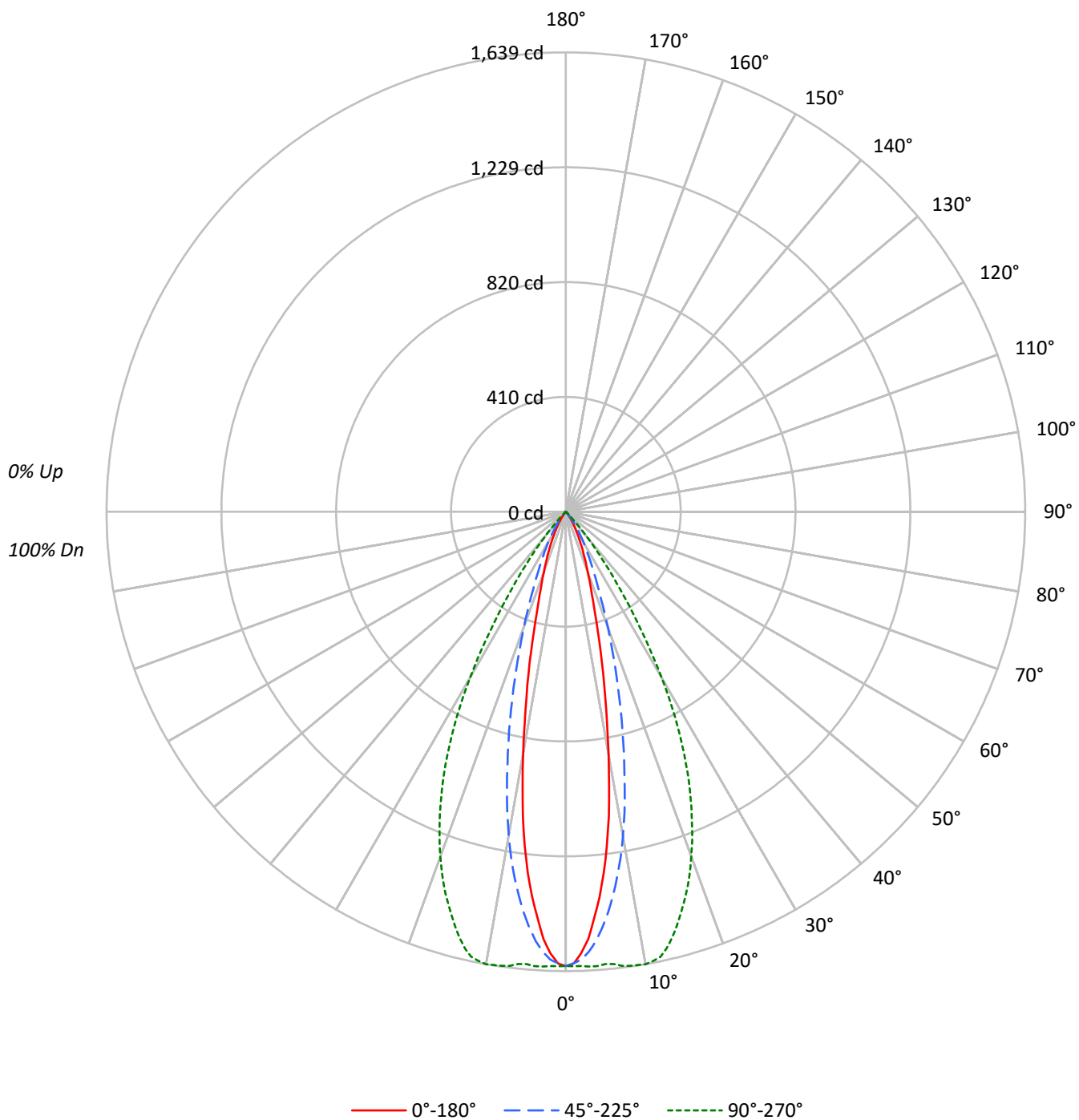
Lumens per Lamp: N/A
Luminaire Lumens: 645.7 lumens
Efficiency: N/A
Efficacy: 45.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90	90	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	91	89	87	86	86	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	82	82	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78	78	78
6	93	86	81	77	92	85	81	77	84	80	77	82	79	76	81	78	76	74	74	74
7	90	82	77	74	89	81	77	73	80	76	73	79	75	73	78	75	72	71	71	71
8	86	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68	68	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65	65	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	62	62	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	799739	799739	799739
5°	682945	738165	802002
10°	439704	588493	821094
15°	225554	392472	781369
20°	120441	229383	687257
25°	67175	125748	559062
30°	35833	71609	389437
35°	15599	34571	203030
40°	4573	10111	76898
45°	1116	2721	11512
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: 11512 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.8	20.7
10°-20°	243.5	37.7
20°-30°	184.6	28.6
30°-40°	73.9	11.4
40°-50°	7.5	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°	562.0	87.0
0°-40°	635.8	98.5
0°-60°	644.1	99.8
0°-90°	645.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	645.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1621	1621	1621	1621	1621	
5°	1379	1410	1490	1577	1619	115
15°	442	512	768	1265	1530	126
25°	123	144	231	660	1027	58
35°	26	32	57	174	337	18
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°	1621.0	1621.0	1621.0	1621.0	1621.0
1°	1612.3	1613.1	1611.5	1613.9	1621.8
2°	1576.2	1588.0	1598.2	1608.4	1621.8
3°	1525.9	1540.0	1572.3	1604.5	1624.9
4°	1452.0	1481.1	1536.1	1595.0	1624.9
5°	1379.0	1409.6	1490.5	1577.0	1619.4
6°	1295.7	1339.7	1437.9	1559.7	1622.5
7°	1201.4	1255.6	1379.8	1548.7	1632.0
8°	1099.2	1160.5	1316.1	1525.1	1635.9
9°	986.1	1060.7	1248.5	1496.8	1637.5
10°	877.7	956.2	1174.7	1464.6	1639.0
11°	769.2	851.0	1094.5	1433.2	1632.8
12°	677.3	755.1	1010.5	1400.2	1623.3
13°	592.4	667.9	927.2	1360.9	1599.0
14°	513.9	587.7	847.0	1315.3	1566.8
15°	441.6	512.3	768.4	1265.0	1529.8
16°	376.4	442.4	693.0	1209.2	1489.0
17°	329.2	381.9	622.3	1150.3	1448.9
18°	292.3	331.6	555.5	1092.2	1406.5
19°	259.3	290.7	493.4	1031.7	1359.3
20°	229.4	257.7	436.9	968.8	1309.0
21°	204.3	228.6	384.2	906.7	1258.0
22°	182.3	203.5	337.1	845.5	1202.2
23°	161.9	180.7	297.0	783.4	1146.4
24°	142.2	162.6	261.6	720.5	1088.2
25°	123.4	143.8	231.0	660.0	1027.0
26°	108.4	127.3	205.1	601.1	963.3
27°	93.5	113.1	182.3	544.5	898.9
28°	81.7	99.8	161.9	490.3	829.0
29°	70.7	88.0	143.0	436.9	757.4
30°	62.9	76.2	125.7	386.6	683.6
32.5°	43.2	51.1	88.0	271.9	498.9
35°	25.9	32.2	57.4	174.4	337.1
37.5°	14.1	17.3	33.0	104.5	212.1
40°	7.1	8.6	15.7	51.1	119.4
42.5°	3.1	3.9	7.1	19.6	51.1
45°	1.6	2.4	3.9	7.9	16.5
47.5°	0.8	1.6	1.6	3.1	4.7
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)