

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: P1179545

Luminaire Tested: LDA2B159050R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179545
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: LDA2B159050R2060D010 2LBDC1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

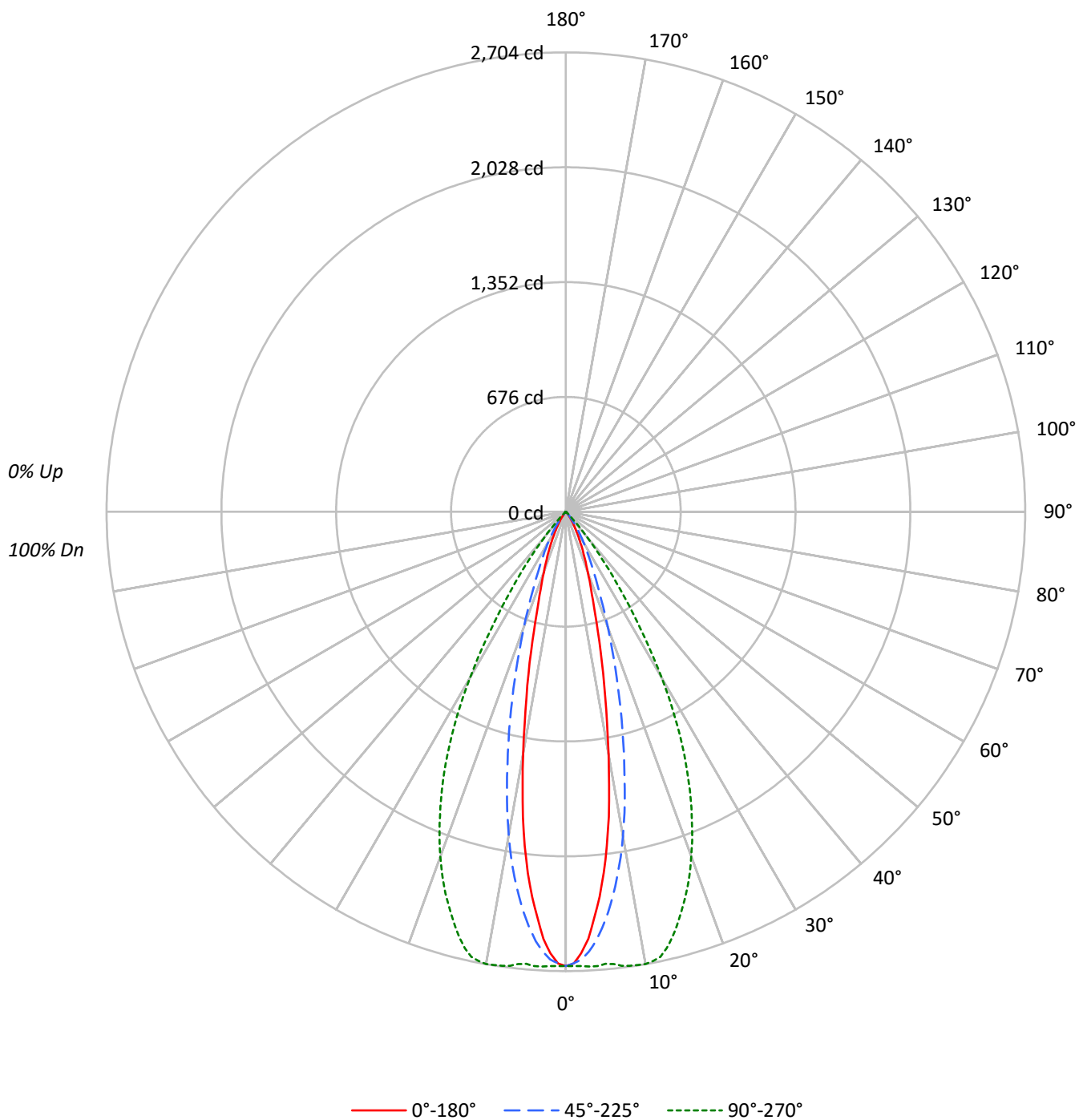
Lumens per Lamp: N/A
Luminaire Lumens: 1065.2 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1319299	1319299	1319299
5°	1126636	1217811	1323051
10°	725358	970835	1354580
15°	372093	647498	1289070
20°	198722	378385	1133791
25°	110778	207457	922262
30°	59076	118153	642434
35°	25778	56976	334930
40°	7535	16681	126876
45°	1814	4535	18978
50°	998	998	1996
55°	1118	1118	1118
60°	0	1283	1283
65°	0	1518	1518
70°	0	1875	1875
75°	0	2478	2478
80°	0	3694	3694
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 18978 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.7	20.7
10°-20°	401.8	37.7
20°-30°	304.6	28.6
30°-40°	121.9	11.4
40°-50°	12.4	1.2
50°-60°	1.3	0.1
60°-70°	1.1	0.1
70°-80°	1.2	0.1
80°-90°	0.3	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°	927.1	87.0
0°-40°	1048.9	98.5
0°-60°	1062.6	99.8
0°-90°	1065.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1065.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2674	2674	2674	2674	2674	
5°	2275	2325	2459	2602	2672	191
15°	728	845	1268	2087	2524	208
25°	204	237	381	1089	1694	96
35°	43	53	95	288	556	29
45°	3	4	6	13	27	3
55°	1	1	1	1	1	1
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2674.1	2674.1	2674.1	2674.1	2674.1
1°	2659.9	2661.2	2658.6	2662.5	2675.4
2°	2600.2	2619.7	2636.5	2653.4	2675.4
3°	2517.3	2540.6	2593.8	2646.9	2680.6
4°	2395.4	2443.4	2534.1	2631.3	2680.6
5°	2274.9	2325.4	2459.0	2601.5	2671.5
6°	2137.5	2210.1	2372.1	2573.0	2676.7
7°	1981.9	2071.4	2276.2	2554.9	2692.3
8°	1813.4	1914.5	2171.2	2516.0	2698.8
9°	1626.8	1749.9	2059.7	2469.3	2701.3
10°	1447.9	1577.5	1937.9	2416.2	2703.9
11°	1269.0	1403.8	1805.7	2364.3	2693.6
12°	1117.4	1245.7	1667.0	2309.9	2678.0
13°	977.4	1101.8	1529.6	2245.1	2637.8
14°	847.7	969.6	1397.3	2169.9	2584.7
15°	728.5	845.1	1267.7	2086.9	2523.8
16°	620.9	729.8	1143.3	1994.9	2456.4
17°	543.1	630.0	1026.6	1897.7	2390.3
18°	482.2	547.0	916.4	1801.8	2320.3
19°	427.8	479.6	814.0	1702.0	2242.5
20°	378.5	425.2	720.7	1598.3	2159.5
21°	337.0	377.2	633.9	1495.9	2075.3
22°	300.7	335.7	556.1	1394.7	1983.2
23°	267.0	298.1	490.0	1292.3	1891.2
24°	234.6	268.3	431.6	1188.6	1795.3
25°	203.5	237.2	381.1	1088.8	1694.2
26°	178.9	210.0	338.3	991.6	1589.2
27°	154.3	186.7	300.7	898.3	1482.9
28°	134.8	164.6	267.0	808.8	1367.5
29°	116.7	145.2	235.9	720.7	1249.6
30°	103.7	125.7	207.4	637.7	1127.7
32.5°	71.3	84.3	145.2	448.5	823.1
35°	42.8	53.1	94.6	287.8	556.1
37.5°	23.3	28.5	54.4	172.4	350.0
40°	11.7	14.3	25.9	84.3	197.0
42.5°	5.2	6.5	11.7	32.4	84.3
45°	2.6	3.9	6.5	13.0	27.2
47.5°	1.3	2.6	2.6	5.2	7.8
50°	1.3	1.3	1.3	2.6	2.6
52.5°	1.3	1.3	1.3	2.6	2.6
55°	1.3	1.3	1.3	1.3	1.3
57.5°	0.0	1.3	1.3	1.3	1.3
60°	0.0	1.3	1.3	1.3	1.3
62.5°	0.0	1.3	1.3	1.3	1.3
65°	0.0	1.3	1.3	1.3	1.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.3	1.3	1.3	1.3
70°	0.0	1.3	1.3	1.3	1.3
72.5°	0.0	1.3	1.3	1.3	1.3
75°	0.0	1.3	1.3	1.3	1.3
77.5°	0.0	1.3	1.3	1.3	1.3
80°	0.0	0.0	1.3	1.3	1.3
82.5°	0.0	0.0	1.3	1.3	1.3
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)