

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: P1179420

Luminaire Tested: LDA2B159030R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179420
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: LDA2B159030R2060D010 2LBD1LI
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

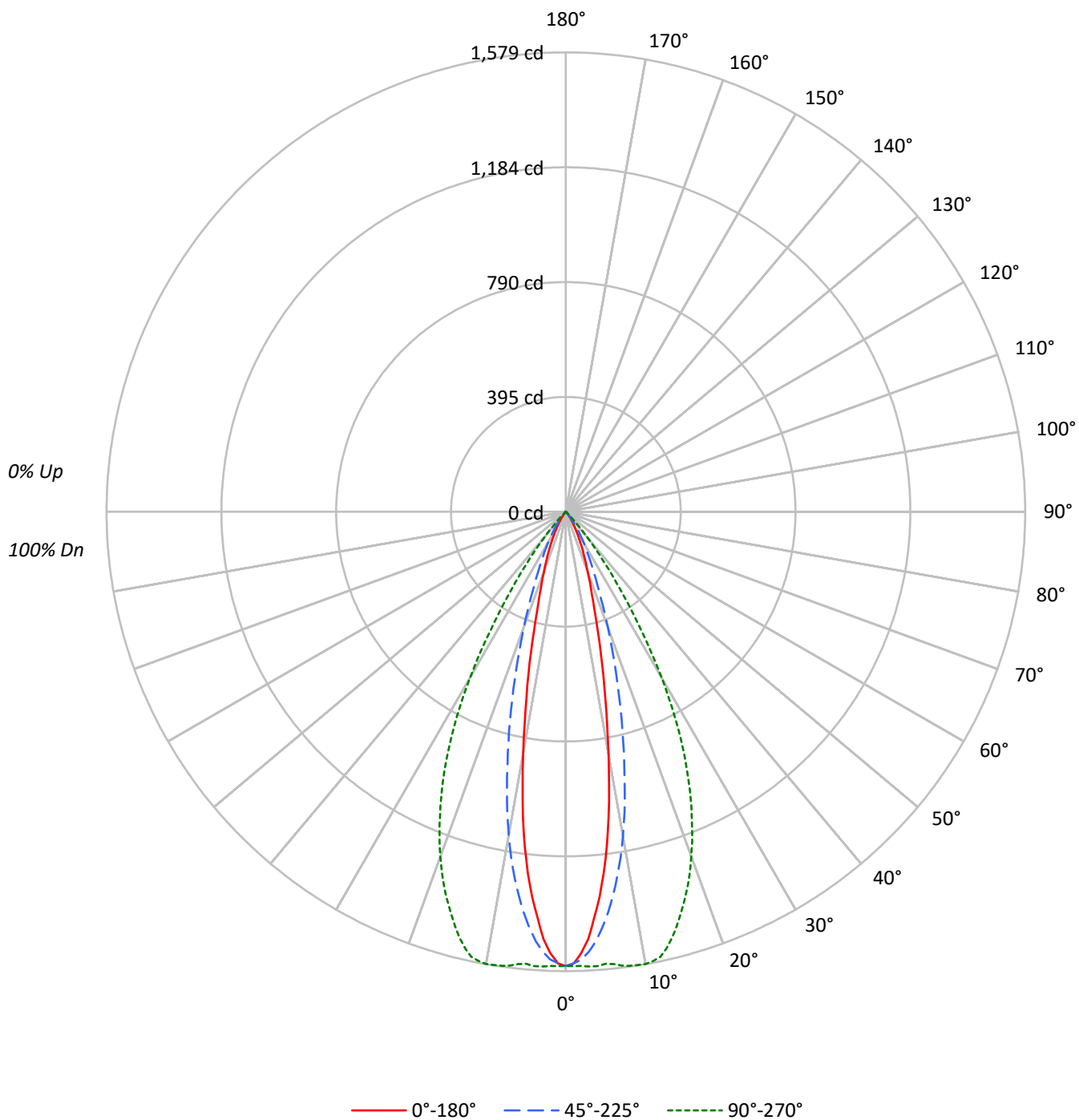
Lumens per Lamp: N/A
Luminaire Lumens: 622.0 lumens
Efficiency: N/A
Efficacy: 44.1 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	770335	770335	770335
5°	657836	711025	772535
10°	423522	566851	790936
15°	217229	378069	752664
20°	116030	220930	662004
25°	64671	121121	538485
30°	34466	68989	375138
35°	15057	33306	195561
40°	4379	9725	74064
45°	1047	2651	11094
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: 11094 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.9	20.7
10°-20°	234.6	37.7
20°-30°	177.8	28.6
30°-40°	71.2	11.4
40°-50°	7.2	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°	541.3	87.0
0°-40°	612.4	98.5
0°-60°	620.4	99.7
0°-90°	622.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	622.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1561	1561	1561	1561	1561	
5°	1328	1358	1436	1519	1560	111
15°	425	494	740	1218	1474	122
25°	119	138	222	636	989	56
35°	25	31	55	168	325	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°	1561.4	1561.4	1561.4	1561.4	1561.4
1°	1553.1	1553.8	1552.3	1554.6	1562.1
2°	1518.2	1529.6	1539.4	1549.3	1562.1
3°	1469.8	1483.4	1514.5	1545.5	1565.2
4°	1398.7	1426.7	1479.6	1536.4	1565.2
5°	1328.3	1357.8	1435.7	1519.0	1559.9
6°	1248.0	1290.4	1385.0	1502.3	1562.9
7°	1157.2	1209.4	1329.0	1491.8	1572.0
8°	1058.8	1117.9	1267.7	1469.0	1575.8
9°	949.8	1021.7	1202.6	1441.8	1577.3
10°	845.4	921.1	1131.5	1410.8	1578.8
11°	741.0	819.7	1054.3	1380.5	1572.7
12°	652.4	727.3	973.3	1348.7	1563.7
13°	570.7	643.3	893.1	1310.9	1540.2
14°	495.0	566.1	815.9	1267.0	1509.2
15°	425.3	493.5	740.2	1218.5	1473.6
16°	362.5	426.1	667.5	1164.8	1434.2
17°	317.1	367.8	599.4	1108.0	1395.6
18°	281.5	319.4	535.1	1052.0	1354.8
19°	249.8	280.0	475.3	993.7	1309.4
20°	221.0	248.2	420.8	933.2	1260.9
21°	196.8	220.2	370.1	873.4	1211.7
22°	175.6	196.0	324.7	814.4	1158.0
23°	155.9	174.1	286.1	754.6	1104.2
24°	137.0	156.7	252.0	694.0	1048.2
25°	118.8	138.5	222.5	635.8	989.2
26°	104.4	122.6	197.5	579.0	927.9
27°	90.1	109.0	175.6	524.5	865.8
28°	78.7	96.1	155.9	472.3	798.5
29°	68.1	84.8	137.7	420.8	729.6
30°	60.5	73.4	121.1	372.4	658.5
32.5°	41.6	49.2	84.8	261.9	480.6
35°	25.0	31.0	55.3	168.0	324.7
37.5°	13.6	16.7	31.8	100.7	204.3
40°	6.8	8.3	15.1	49.2	115.0
42.5°	3.0	3.8	6.8	18.9	49.2
45°	1.5	2.3	3.8	7.6	15.9
47.5°	0.8	1.5	1.5	3.0	4.5
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)