

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: P1179446

Luminaire Tested: LDA2B159035R2050D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B159035R2050D010 2LBD1LI
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

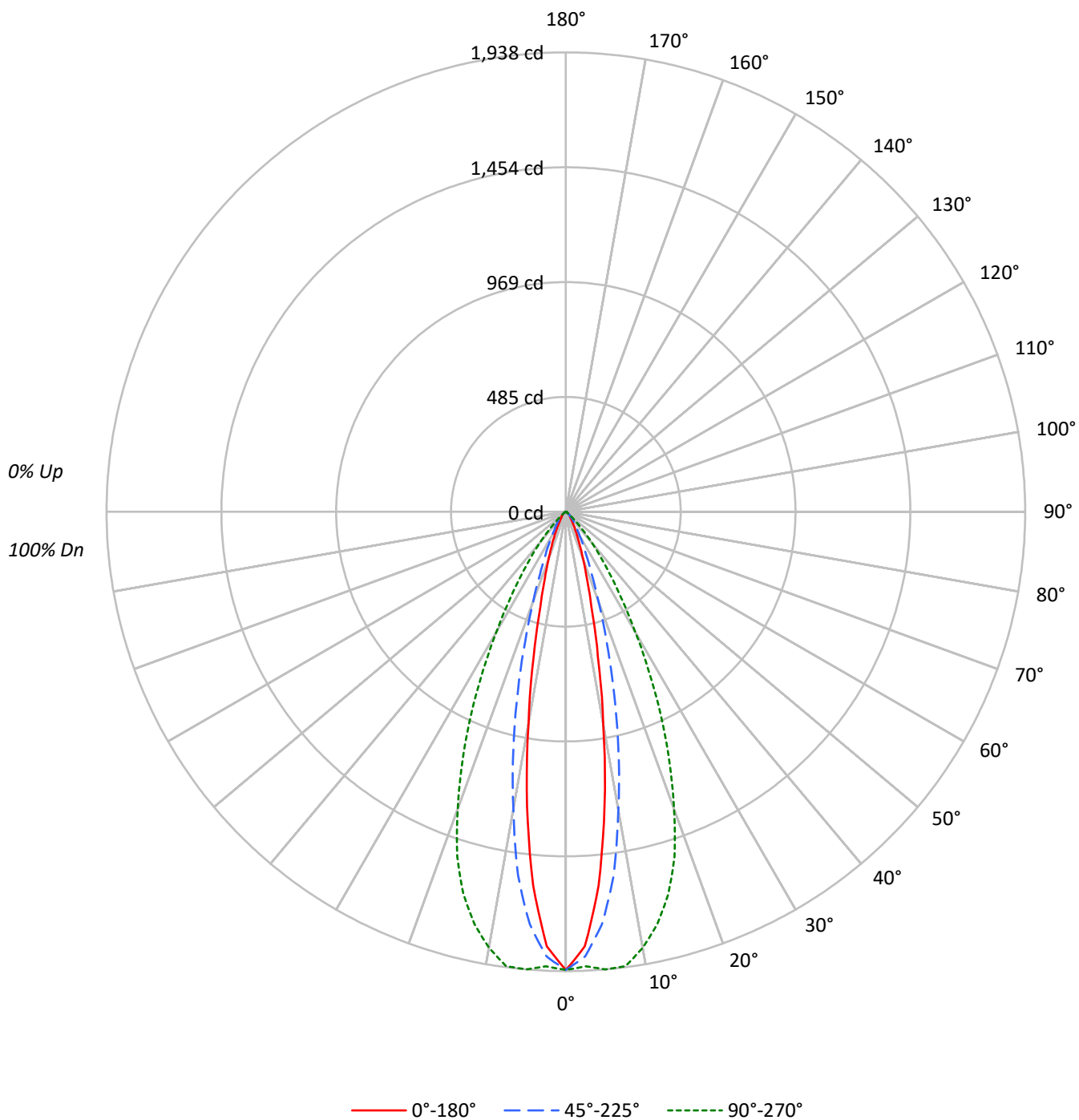
Lumens per Lamp: N/A
Luminaire Lumens: 694.8 lumens
Efficiency: N/A
Efficacy: 49.3 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1179446

CATALOG NUMBER: LDA2B159035R2050D010 2LBD1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1179446

CATALOG NUMBER: LDA2B159035R2050D010 2LBD1LI

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	953668	953668	953668
5°	784024	865096	959688
10°	455134	639241	935667
15°	212019	398142	852672
20°	111725	209905	700855
25°	61894	113663	516929
30°	36289	66596	334291
35°	23308	44689	198091
40°	18162	30141	110066
45°	15768	18001	48910
50°	14199	12357	17960
55°	9720	9032	8343
60°	7203	6315	6315
65°	5603	4670	5603
70°	4616	4616	4616
75°	4575	4575	4575
80°	4546	4546	4546
85°	4529	4529	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 48910 cd/sqm

TEST NUMBER: P1179446

CATALOG NUMBER: LDA2B159035R2050D010 2LBD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.9	22.2
10°-20°	252.0	36.3
20°-30°	168.1	24.2
30°-40°	75.8	10.9
40°-50°	27.7	4.0
50°-60°	9.7	1.4
60°-70°	4.5	0.6
70°-80°	2.4	0.3
80°-90°	0.7	0.1
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°	574.0	82.6
0°-40°	649.8	93.5
0°-60°	687.3	98.9
0°-90°	694.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	694.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1933	1933	1933	1933	1933	
5°	1583	1632	1747	1874	1938	129
15°	415	488	780	1317	1669	124
25°	114	132	209	569	950	55
35°	39	44	74	160	329	26
45°	23	23	26	40	70	18
55°	11	10	10	9	10	11
65°	5	5	4	4	5	5
75°	2	2	2	2	2	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1179446

CATALOG NUMBER: LDA2B159035R2050D010 2LBD1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1933.0	1933.0	1933.0	1933.0	1933.0
2.5°	1835.5	1854.8	1877.4	1900.7	1919.3
5°	1583.1	1632.3	1746.8	1874.1	1937.8
7.5°	1251.8	1324.4	1546.9	1798.4	1933.0
10°	908.5	1001.2	1276.0	1667.0	1867.7
12.5°	624.7	711.8	1023.7	1500.9	1781.4
15°	415.1	487.7	779.5	1317.1	1669.4
17.5°	292.6	341.8	566.7	1116.4	1525.1
20°	212.8	245.9	399.8	919.7	1334.9
22.5°	154.8	179.8	284.5	735.1	1142.2
25°	113.7	132.2	208.8	569.1	949.6
27.5°	84.6	99.1	156.4	432.1	756.9
30°	63.7	75.8	116.9	318.4	586.8
32.5°	49.2	57.2	89.5	227.3	444.2
35°	38.7	43.5	74.2	160.4	328.9
37.5°	32.2	35.5	61.3	112.0	241.0
40°	28.2	30.6	46.8	79.8	170.9
42.5°	25.0	26.6	33.9	57.2	111.2
45°	22.6	22.6	25.8	40.3	70.1
47.5°	21.0	18.5	20.2	28.2	41.1
50°	18.5	15.3	16.1	19.3	23.4
52.5°	14.5	12.9	12.9	12.9	13.7
55°	11.3	10.5	10.5	8.9	9.7
57.5°	8.9	8.9	8.1	7.3	8.1
60°	7.3	7.3	6.4	5.6	6.4
62.5°	5.6	5.6	4.8	4.8	5.6
65°	4.8	4.8	4.0	4.0	4.8
67.5°	4.0	4.0	4.0	3.2	4.0
70°	3.2	3.2	3.2	3.2	3.2
72.5°	2.4	2.4	3.2	2.4	2.4
75°	2.4	2.4	2.4	2.4	2.4
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8
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)