

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: P1178949

Luminaire Tested: LDA2B109035R2050D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178949
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: LDA2B109035R2050D010 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

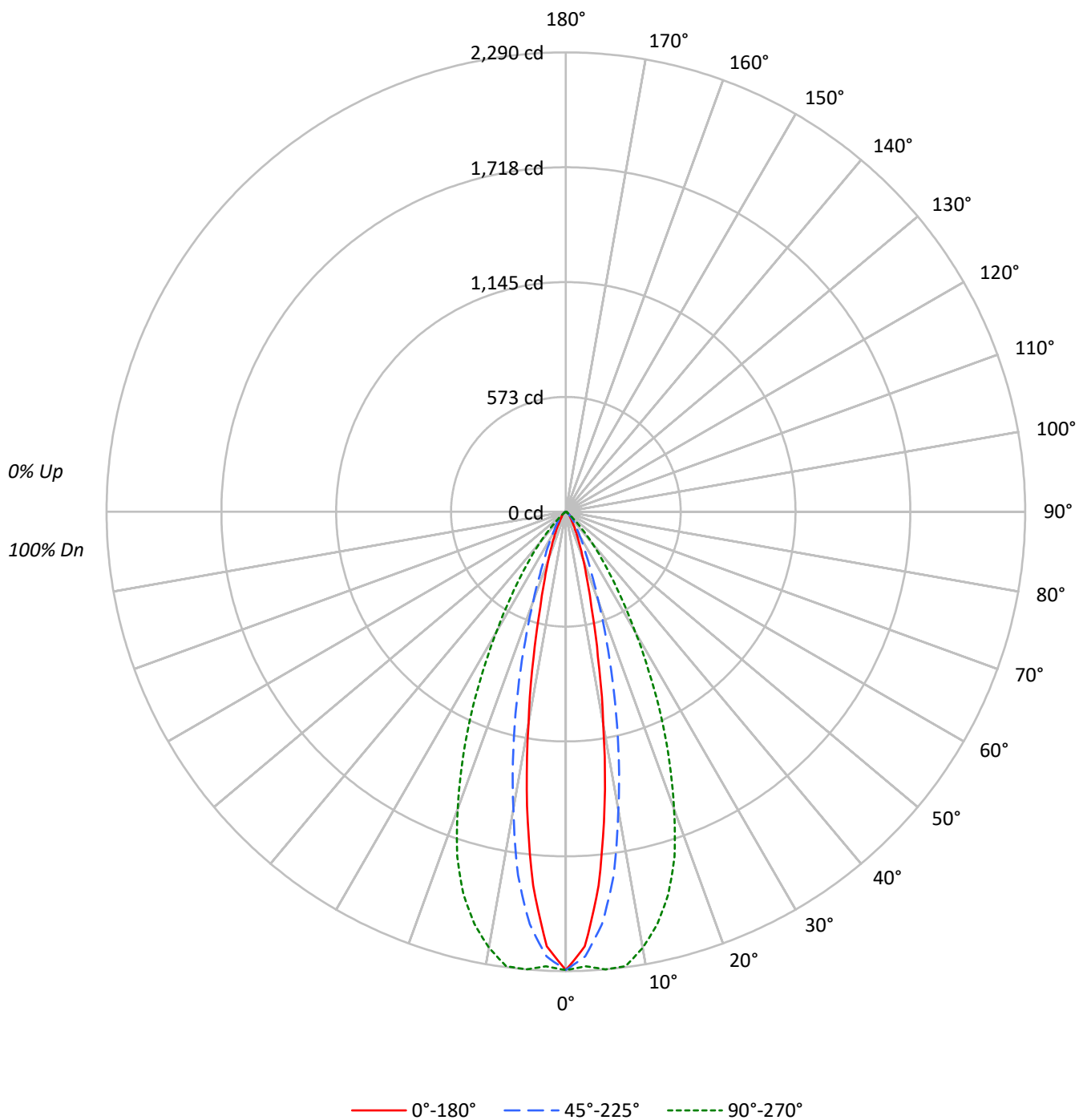
Lumens per Lamp: N/A
Luminaire Lumens: 821.1 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1178949

CATALOG NUMBER: LDA2B109035R2050D010 2LBDC1MB

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
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°	1126937	1126937	1126937
5°	926507	1022238	1134065
10°	537794	755417	1105647
15°	250582	470466	1007588
20°	132044	248074	828174
25°	73108	134295	610831
30°	42897	78674	395020
35°	27524	52760	234047
40°	21446	35551	130031
45°	18629	21280	57841
50°	16809	14660	21184
55°	11440	10666	9806
60°	8486	7499	7499
65°	6654	5603	6654
70°	5481	5481	5481
75°	5528	5528	5528
80°	5398	5398	5398
85°	5661	5661	5661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 57841 cd/sqm

TEST NUMBER: P1178949

CATALOG NUMBER: LDA2B109035R2050D010 2LBDC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.9	22.1
10°-20°	297.8	36.3
20°-30°	198.6	24.2
30°-40°	89.5	10.9
40°-50°	32.8	4.0
50°-60°	11.5	1.4
60°-70°	5.4	0.7
70°-80°	2.8	0.3
80°-90°	0.8	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°	678.3	82.6
0°-40°	767.9	93.5
0°-60°	812.1	98.9
0°-90°	821.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	821.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2284	2284	2284	2284	2284	
5°	1871	1929	2064	2215	2290	153
15°	491	576	921	1556	1973	147
25°	134	156	247	672	1122	65
35°	46	51	88	190	389	30
45°	27	27	30	48	83	21
55°	13	12	12	10	11	12
65°	6	6	5	5	6	6
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2284.2	2284.2	2284.2	2284.2	2284.2
2.5°	2168.9	2191.8	2218.5	2246.1	2268.0
5°	1870.8	1928.9	2064.1	2214.6	2289.9
7.5°	1479.3	1565.0	1827.9	2125.1	2284.2
10°	1073.5	1183.1	1507.9	1969.8	2207.0
12.5°	738.2	841.1	1209.7	1773.6	2105.1
15°	490.6	576.3	921.1	1556.4	1972.7
17.5°	345.8	403.9	669.6	1319.3	1802.2
20°	251.5	290.5	472.5	1086.8	1577.4
22.5°	182.9	212.4	336.2	868.7	1349.7
25°	134.3	156.2	246.7	672.5	1122.1
27.5°	100.0	117.2	184.8	510.6	894.4
30°	75.3	89.5	138.1	376.3	693.4
32.5°	58.1	67.6	105.7	268.6	524.8
35°	45.7	51.4	87.6	189.6	388.6
37.5°	38.1	41.9	72.4	132.4	284.8
40°	33.3	36.2	55.2	94.3	201.9
42.5°	29.5	31.4	40.0	67.6	131.5
45°	26.7	26.7	30.5	47.6	82.9
47.5°	24.8	21.9	23.8	33.3	48.6
50°	21.9	18.1	19.1	22.9	27.6
52.5°	17.1	15.2	15.2	15.2	16.2
55°	13.3	12.4	12.4	10.5	11.4
57.5°	10.5	10.5	9.5	8.6	9.5
60°	8.6	8.6	7.6	6.7	7.6
62.5°	6.7	6.7	5.7	5.7	6.7
65°	5.7	5.7	4.8	4.8	5.7
67.5°	4.8	4.8	4.8	3.8	4.8
70°	3.8	3.8	3.8	3.8	3.8
72.5°	2.9	2.9	3.8	2.9	2.9
75°	2.9	2.9	2.9	2.9	2.9
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0
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)