

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: P1179027

Luminaire Tested: LDA2B109050R2050D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179027
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: LDA2B109050R2050D010 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

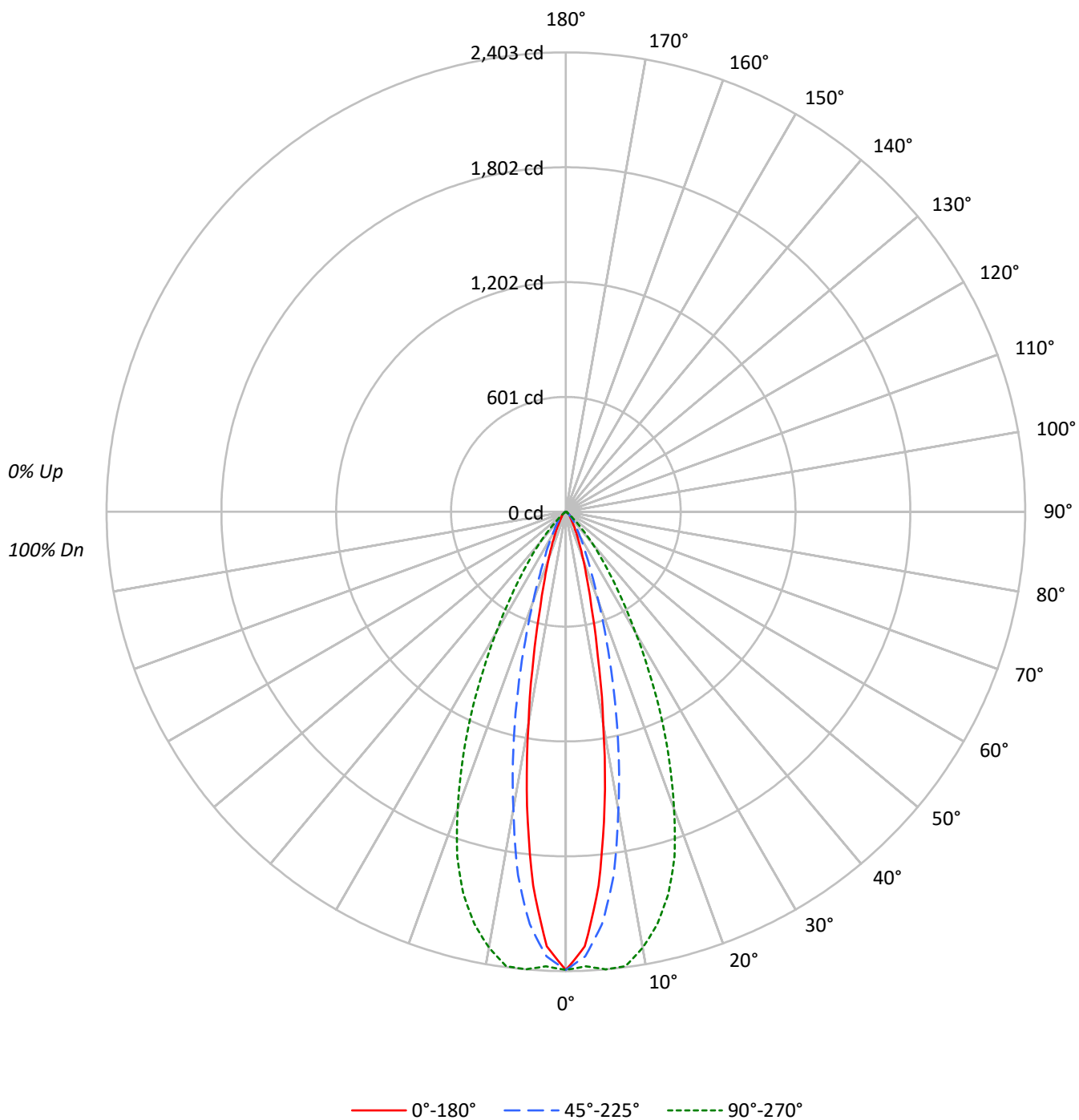
Lumens per Lamp: N/A
Luminaire Lumens: 861.5 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

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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
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°	1182391	1182391	1182391
5°	972070	1072555	1189879
10°	564246	792589	1160052
15°	262891	493604	1057183
20°	138502	260255	868916
25°	76701	140882	640880
30°	45005	82547	414503
35°	28910	55350	245611
40°	22541	37354	136472
45°	19536	22327	60632
50°	17653	15351	22259
55°	12042	11182	10322
60°	8881	7894	7894
65°	7004	5837	7004
70°	5770	5770	5770
75°	5719	5719	5719
80°	5682	5682	5682
85°	5661	5661	5661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 60632 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.8	22.1
10°-20°	312.4	36.3
20°-30°	208.4	24.2
30°-40°	94.0	10.9
40°-50°	34.4	4.0
50°-60°	12.0	1.4
60°-70°	5.6	0.7
70°-80°	3.0	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°	711.7	82.6
0°-40°	805.6	93.5
0°-60°	852.1	98.9
0°-90°	861.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	861.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2397	2397	2397	2397	2397	
5°	1963	2024	2166	2324	2403	160
15°	515	605	966	1633	2070	154
25°	141	164	259	706	1177	68
35°	48	54	92	199	408	32
45°	28	28	32	50	87	22
55°	14	13	13	11	12	13
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°	2396.6	2396.6	2396.6	2396.6	2396.6
2.5°	2275.6	2299.6	2327.6	2356.6	2379.6
5°	1962.8	2023.8	2165.7	2323.6	2402.6
7.5°	1552.1	1642.0	1917.9	2229.7	2396.6
10°	1126.3	1241.3	1582.1	2066.8	2315.6
12.5°	774.5	882.5	1269.2	1860.9	2208.7
15°	514.7	604.6	966.4	1633.0	2069.8
17.5°	362.8	423.7	702.6	1384.2	1890.9
20°	263.8	304.8	495.7	1140.3	1655.0
22.5°	191.9	222.9	352.8	911.5	1416.2
25°	140.9	163.9	258.8	705.6	1177.3
27.5°	104.9	122.9	193.9	535.7	938.4
30°	79.0	93.9	144.9	394.8	727.6
32.5°	61.0	71.0	110.9	281.8	550.7
35°	48.0	54.0	91.9	198.9	407.8
37.5°	40.0	44.0	76.0	138.9	298.8
40°	35.0	38.0	58.0	98.9	211.9
42.5°	31.0	33.0	42.0	71.0	137.9
45°	28.0	28.0	32.0	50.0	86.9
47.5°	26.0	23.0	25.0	35.0	51.0
50°	23.0	19.0	20.0	24.0	29.0
52.5°	18.0	16.0	16.0	16.0	17.0
55°	14.0	13.0	13.0	11.0	12.0
57.5°	11.0	11.0	10.0	9.0	10.0
60°	9.0	9.0	8.0	7.0	8.0
62.5°	7.0	7.0	6.0	6.0	7.0
65°	6.0	6.0	5.0	5.0	6.0
67.5°	5.0	5.0	5.0	4.0	5.0
70°	4.0	4.0	4.0	4.0	4.0
72.5°	3.0	3.0	4.0	3.0	3.0
75°	3.0	3.0	3.0	3.0	3.0
77.5°	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0
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)