

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: P1179015

Luminaire Tested: LDA2B109050R2040D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B109050R2040D010 2LBDC1MMS
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

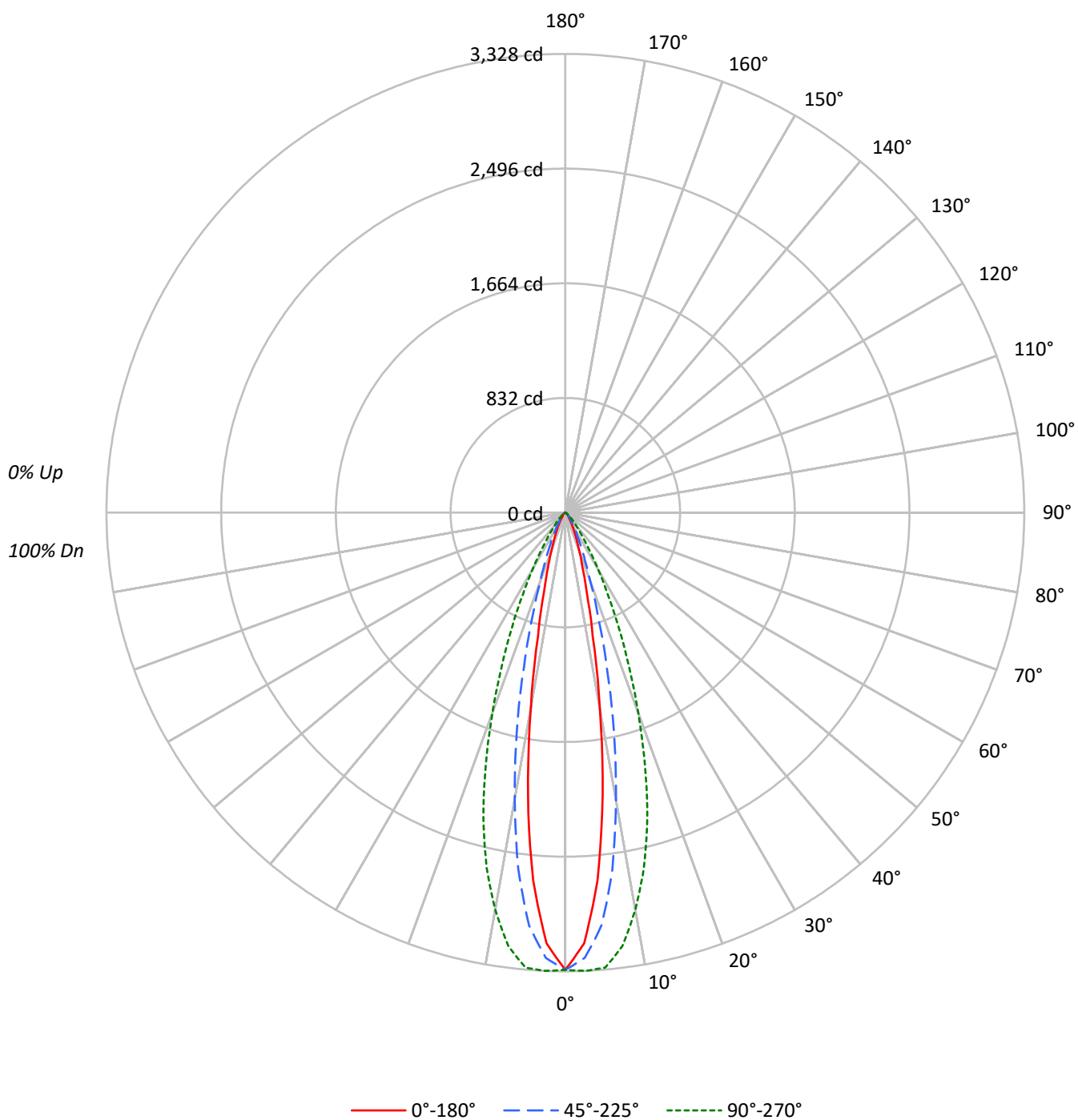
Lumens per Lamp: N/A
Luminaire Lumens: 934.7 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1179015

CATALOG NUMBER: LDA2B109050R2040D010 2LBDC1MMS

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91		94	92	89		92	90	88	87
4	102	95	91	88	100	94	90	87	92	89	86		90	87	85		89	86	84	83
5	98	91	86	83	97	90	86	83	89	85	82		87	84	81		86	83	81	79
6	95	87	83	79	93	87	82	79	85	81	78		84	80	78		83	80	77	76
7	91	84	79	76	90	83	79	75	82	78	75		81	77	75		80	77	74	73
8	88	81	76	73	87	80	76	72	79	75	72		78	75	72		77	74	72	70
9	85	78	73	70	84	77	73	70	76	72	70		76	72	69		75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67		73	70	67		73	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1636333	1636333	1636333
5°	1326369	1489701	1640553
10°	721100	1057704	1464994
15°	305029	593510	1172616
20°	155722	279103	810848
25°	86227	142787	494174
30°	48252	79300	269518
35°	27946	48002	137321
40°	20802	36388	75996
45°	18280	24629	45073
50°	19342	16272	24024
55°	13848	11268	12988
60°	8979	7992	7992
65°	7121	7121	7121
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: 45073 cd/sqm

TEST NUMBER: P1179015

CATALOG NUMBER: LDA2B109050R2040D010 2LBDC1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.4	27.6
10°-20°	365.4	39.1
20°-30°	188.3	20.1
30°-40°	69.3	7.4
40°-50°	30.4	3.3
50°-60°	13.3	1.4
60°-70°	5.8	0.6
70°-80°	2.9	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°	812.1	86.9
0°-40°	881.4	94.3
0°-60°	925.2	99.0
0°-90°	934.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	934.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3317	3317	3317	3317	3317	
5°	2678	2769	3008	3221	3313	215
15°	597	694	1162	1939	2296	183
25°	158	178	262	602	908	76
35°	46	54	80	139	228	32
45°	26	30	35	42	65	21
55°	16	14	13	14	15	15
65°	6	6	6	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°	3316.7	3316.7	3316.7	3316.7	3316.7
2.5°	3127.0	3164.4	3234.0	3300.5	3327.8
5°	2678.2	2768.9	3008.0	3220.8	3312.6
7.5°	2073.9	2223.2	2610.6	3009.0	3172.4
10°	1439.4	1590.8	2111.3	2684.2	2924.3
12.5°	917.9	1065.2	1627.1	2324.1	2635.8
15°	597.2	694.0	1162.0	1938.8	2295.8
17.5°	414.6	483.2	790.8	1530.2	1919.6
20°	296.6	345.0	531.6	1167.1	1544.4
22.5°	214.9	248.1	369.2	852.4	1200.4
25°	158.4	177.5	262.3	602.2	907.8
27.5°	117.0	129.1	189.6	415.6	663.7
30°	84.7	94.8	139.2	285.5	473.1
32.5°	61.5	70.6	103.9	197.7	329.9
35°	46.4	53.5	79.7	139.2	228.0
37.5°	38.3	42.4	65.6	100.9	161.4
40°	32.3	36.3	56.5	74.6	118.0
42.5°	28.2	33.3	46.4	55.5	88.8
45°	26.2	30.3	35.3	42.4	64.6
47.5°	26.2	25.2	27.2	32.3	45.4
50°	25.2	21.2	21.2	25.2	31.3
52.5°	21.2	17.1	17.1	18.2	21.2
55°	16.1	14.1	13.1	14.1	15.1
57.5°	12.1	12.1	11.1	10.1	11.1
60°	9.1	9.1	8.1	8.1	8.1
62.5°	7.1	7.1	7.1	6.1	7.1
65°	6.1	6.1	6.1	5.0	6.1
67.5°	5.0	5.0	4.0	5.0	5.0
70°	4.0	4.0	4.0	4.0	4.0
72.5°	3.0	3.0	3.0	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)