

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: P1179829

Luminaire Tested: LDA2B209024R2040D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179829
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: LDA2B209024R2040D010 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

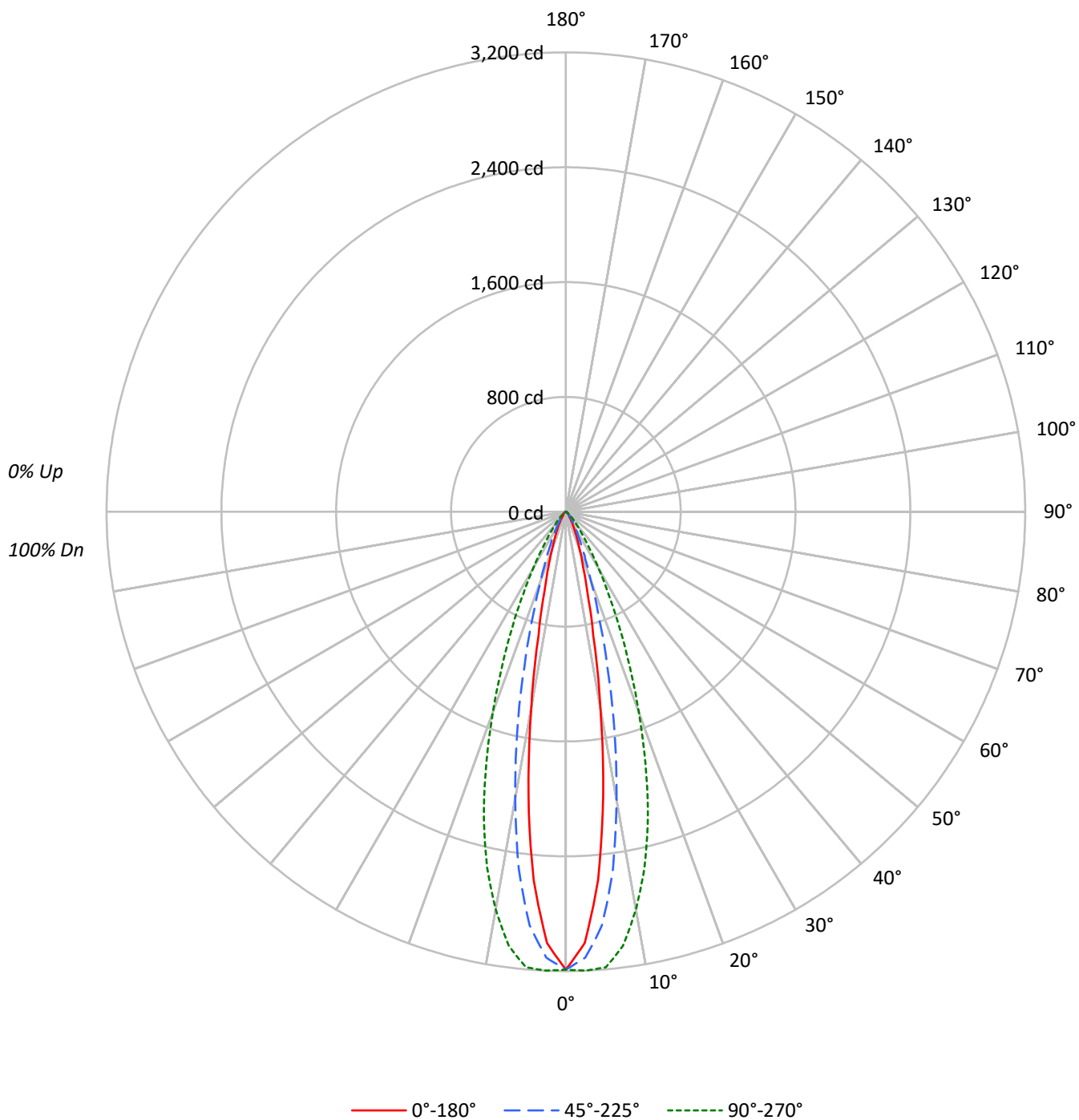
Lumens per Lamp: N/A
Luminaire Lumens: 898.7 lumens
Efficiency: N/A
Efficacy: 43.6 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 20.6
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: P1179829

CATALOG NUMBER: LDA2B209024R2040D010 2LBDC1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1179829

CATALOG NUMBER: LDA2B209024R2040D010 2LBDC1MW

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	94	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°	1573331	1573331	1573331
5°	1275259	1432351	1577409
10°	693346	1016975	1408585
15°	293282	570679	1127464
20°	149685	268340	779609
25°	82907	137289	475176
30°	46429	76224	259150
35°	26862	46135	132021
40°	19965	34971	73098
45°	17583	23653	43328
50°	18574	15658	23103
55°	13332	10838	12472
60°	8584	7696	7696
65°	6771	6771	6771
70°	5626	5626	5626
75°	5528	5528	5528
80°	5398	5398	5398
85°	5661	5661	5661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 43328 cd/sqm

TEST NUMBER: P1179829

CATALOG NUMBER: LDA2B209024R2040D010 2LBDC1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.5	27.6
10°-20°	351.4	39.1
20°-30°	181.0	20.1
30°-40°	66.6	7.4
40°-50°	29.2	3.3
50°-60°	12.8	1.4
60°-70°	5.6	0.6
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°	780.9	86.9
0°-40°	847.5	94.3
0°-60°	889.5	99.0
0°-90°	898.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	898.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3189	3189	3189	3189	3189	
5°	2575	2662	2892	3097	3185	207
15°	574	667	1117	1864	2207	176
25°	152	171	252	579	873	73
35°	45	51	77	134	219	30
45°	25	29	34	41	62	20
55°	16	14	13	14	14	14
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	

TEST NUMBER: P1179829

CATALOG NUMBER: LDA2B209024R2040D010 2LBDC1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3189.0	3189.0	3189.0	3189.0	3189.0
2.5°	3006.6	3042.5	3109.4	3173.4	3199.6
5°	2575.0	2662.3	2892.2	3096.8	3185.1
7.5°	1994.1	2137.6	2510.0	2893.1	3050.3
10°	1384.0	1529.5	2030.0	2580.8	2811.7
12.5°	882.6	1024.2	1564.4	2234.6	2534.3
15°	574.2	667.3	1117.3	1864.1	2207.4
17.5°	398.6	464.6	760.4	1471.3	1845.7
20°	285.1	331.7	511.1	1122.1	1484.9
22.5°	206.6	238.6	355.0	819.5	1154.2
25°	152.3	170.7	252.2	579.0	872.9
27.5°	112.5	124.1	182.3	399.6	638.2
30°	81.5	91.2	133.8	274.5	454.9
32.5°	59.2	67.9	99.9	190.1	317.1
35°	44.6	51.4	76.6	133.8	219.2
37.5°	36.9	40.7	63.0	97.0	155.2
40°	31.0	34.9	54.3	71.8	113.5
42.5°	27.2	32.0	44.6	53.3	85.3
45°	25.2	29.1	33.9	40.7	62.1
47.5°	25.2	24.2	26.2	31.0	43.6
50°	24.2	20.4	20.4	24.2	30.1
52.5°	20.4	16.5	16.5	17.5	20.4
55°	15.5	13.6	12.6	13.6	14.5
57.5°	11.6	11.6	10.7	9.7	10.7
60°	8.7	8.7	7.8	7.8	7.8
62.5°	6.8	6.8	6.8	5.8	6.8
65°	5.8	5.8	5.8	4.8	5.8
67.5°	4.8	4.8	3.9	4.8	4.8
70°	3.9	3.9	3.9	3.9	3.9
72.5°	2.9	2.9	2.9	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)