

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: P1179866

Luminaire Tested: LDA2B209027R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179866
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: LDA2B209027R2040D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

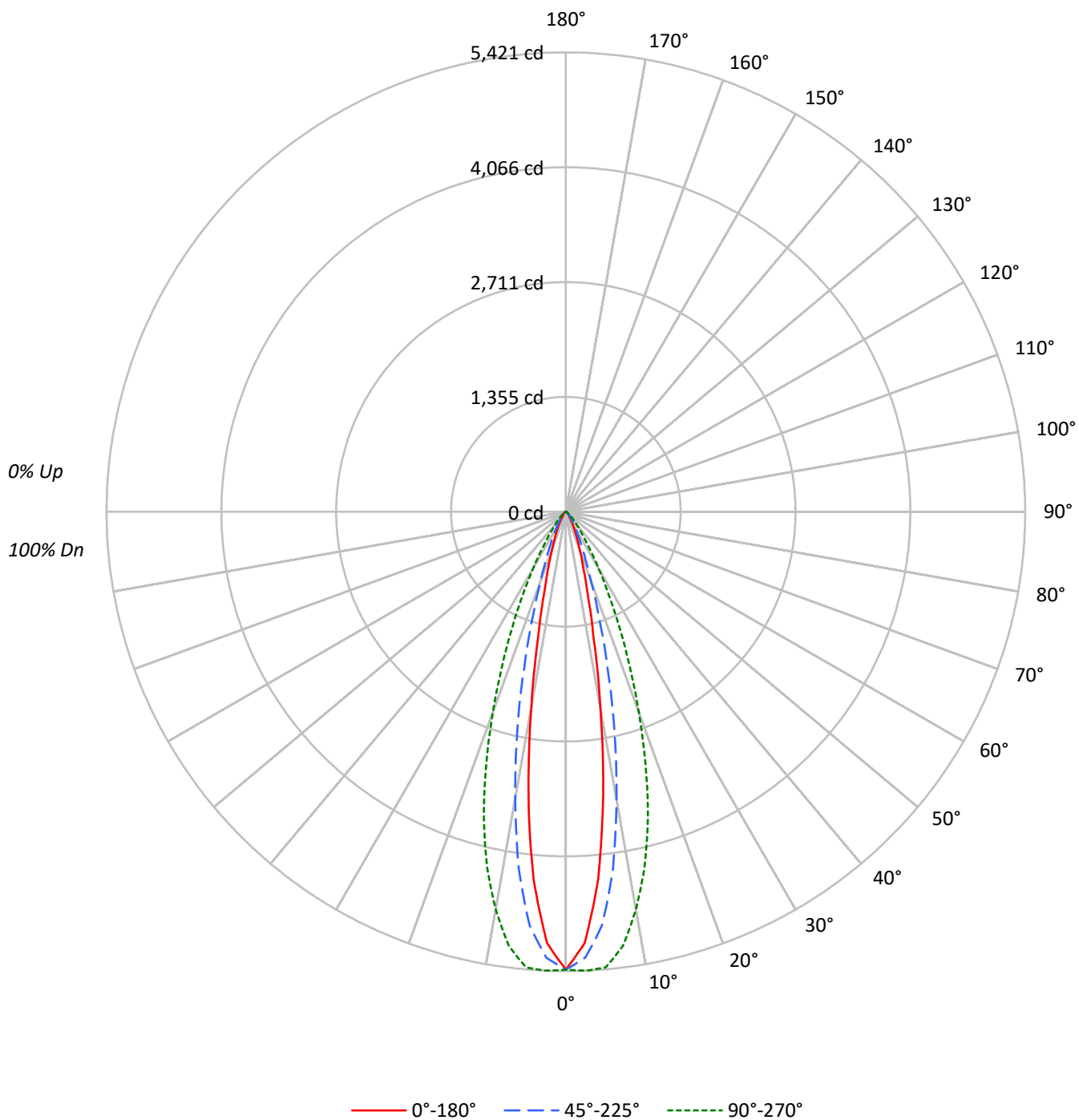
Lumens per Lamp: N/A
Luminaire Lumens: 1522.7 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1179866

CATALOG NUMBER: LDA2B209027R2040D010 2LBDC1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1179866

CATALOG NUMBER: LDA2B209027R2040D010 2LBDC1MB

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°	2665486	2665486	2665486
5°	2160562	2426658	2672399
10°	1174681	1722895	2386383
15°	496822	966828	1910162
20°	253639	454619	1320805
25°	140446	232553	805006
30°	78617	129205	438999
35°	45533	78176	223688
40°	33876	59252	123784
45°	29793	40119	73400
50°	31546	26480	39068
55°	22622	18407	21160
60°	14604	12926	12926
65°	11557	11557	11557
70°	9520	9520	9520
75°	9340	9340	9340
80°	9376	9376	9376
85°	9057	9057	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 73400 cd/sqm

TEST NUMBER: P1179866

CATALOG NUMBER: LDA2B209027R2040D010 2LBDC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.0	27.6
10°-20°	595.3	39.1
20°-30°	306.7	20.1
30°-40°	112.8	7.4
40°-50°	49.6	3.3
50°-60°	21.7	1.4
60°-70°	9.5	0.6
70°-80°	4.8	0.3
80°-90°	1.3	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°	1322.9	86.9
0°-40°	1435.8	94.3
0°-60°	1507.1	99.0
0°-90°	1522.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1522.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5403	5403	5403	5403	5403	
5°	4363	4510	4900	5247	5396	351
15°	973	1130	1893	3158	3740	297
25°	258	289	427	981	1479	124
35°	76	87	130	227	371	51
45°	43	49	58	69	105	34
55°	26	23	21	23	25	24
65°	10	10	10	8	10	10
75°	5	5	5	5	5	5
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

TEST NUMBER: P1179866

CATALOG NUMBER: LDA2B209027R2040D010 2LBDC1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5402.7	5402.7	5402.7	5402.7	5402.7
2.5°	5093.8	5154.6	5267.9	5376.4	5420.8
5°	4362.6	4510.5	4899.9	5246.6	5396.1
7.5°	3378.3	3621.5	4252.5	4901.5	5167.7
10°	2344.8	2591.3	3439.1	4372.4	4763.5
12.5°	1495.3	1735.2	2650.4	3785.8	4293.6
15°	972.7	1130.5	1892.9	3158.1	3739.8
17.5°	675.3	787.1	1288.2	2492.7	3126.9
20°	483.1	562.0	865.9	1901.1	2515.7
22.5°	350.0	404.2	601.4	1388.5	1955.4
25°	258.0	289.2	427.2	981.0	1478.8
27.5°	190.6	210.3	308.9	677.0	1081.2
30°	138.0	154.5	226.8	465.0	770.6
32.5°	100.2	115.0	169.2	322.1	537.3
35°	75.6	87.1	129.8	226.8	371.4
37.5°	62.4	69.0	106.8	164.3	262.9
40°	52.6	59.2	92.0	121.6	192.2
42.5°	46.0	54.2	75.6	90.4	144.6
45°	42.7	49.3	57.5	69.0	105.2
47.5°	42.7	41.1	44.4	52.6	73.9
50°	41.1	34.5	34.5	41.1	50.9
52.5°	34.5	27.9	27.9	29.6	34.5
55°	26.3	23.0	21.4	23.0	24.6
57.5°	19.7	19.7	18.1	16.4	18.1
60°	14.8	14.8	13.1	13.1	13.1
62.5°	11.5	11.5	11.5	9.9	11.5
65°	9.9	9.9	9.9	8.2	9.9
67.5°	8.2	8.2	6.6	8.2	8.2
70°	6.6	6.6	6.6	6.6	6.6
72.5°	4.9	4.9	4.9	4.9	4.9
75°	4.9	4.9	4.9	4.9	4.9
77.5°	3.3	3.3	3.3	3.3	3.3
80°	3.3	3.3	3.3	3.3	3.3
82.5°	1.6	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	1.6	1.6
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)