

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: P1179828

Luminaire Tested: LDA2B209024R2040D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179828
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 2LBDC1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

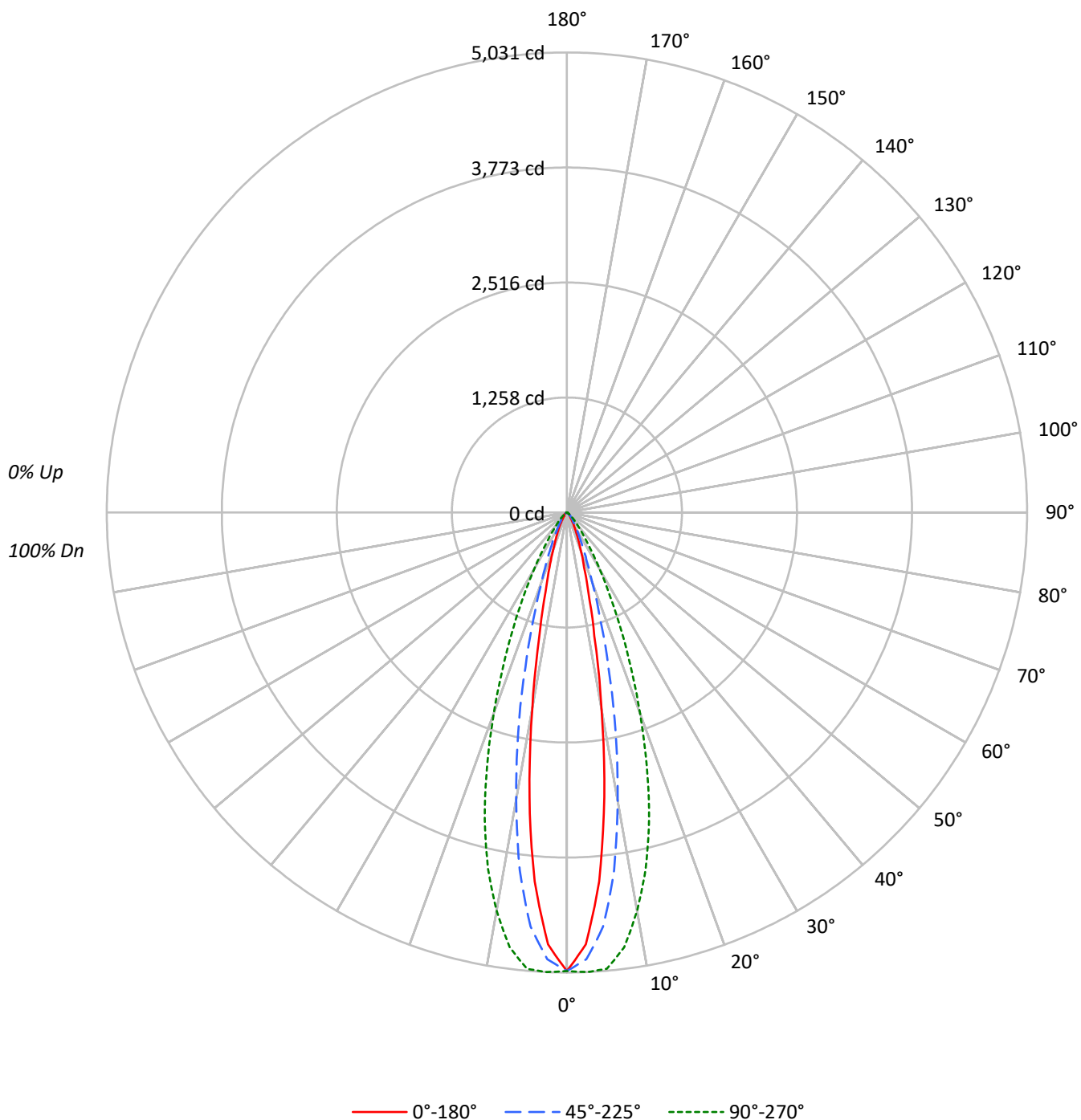
Lumens per Lamp: N/A
Luminaire Lumens: 1413.1 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1179828

CATALOG NUMBER: LDA2B209024R2040D010 2LBDC1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1179828

CATALOG NUMBER: LDA2B209024R2040D010 2LBDC1MMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2473765	2473765	2473765
5°	2005153	2252133	2480194
10°	1090167	1599005	2214750
15°	461119	897313	1772766
20°	235369	421962	1225775
25°	130321	215841	747140
30°	72977	119862	407439
35°	42220	72575	207547
40°	31429	55001	114896
45°	27630	37258	68097
50°	29243	24561	36304
55°	20988	17031	19697
60°	13518	12038	12038
65°	10623	10623	10623
70°	8799	8799	8799
75°	8769	8769	8769
80°	8523	8523	8523
85°	8491	8491	8491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 68097 cd/sqm

TEST NUMBER: P1179828

CATALOG NUMBER: LDA2B209024R2040D010 2LBDC1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.7	27.6
10°-20°	552.5	39.1
20°-30°	284.6	20.1
30°-40°	104.7	7.4
40°-50°	46.0	3.3
50°-60°	20.2	1.4
60°-70°	8.8	0.6
70°-80°	4.4	0.3
80°-90°	1.2	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°	1227.8	86.9
0°-40°	1332.5	94.3
0°-60°	1398.6	99.0
0°-90°	1413.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1413.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5014	5014	5014	5014	5014	
5°	4049	4186	4548	4869	5008	326
15°	903	1049	1757	2931	3471	276
25°	239	268	396	910	1372	115
35°	70	81	120	210	345	48
45°	40	46	53	64	98	32
55°	24	21	20	21	23	22
65°	9	9	9	8	9	9
75°	5	5	5	5	5	4
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

TEST NUMBER: P1179828

CATALOG NUMBER: LDA2B209024R2040D010 2LBDC1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5014.1	5014.1	5014.1	5014.1	5014.1
2.5°	4727.4	4783.9	4889.1	4989.7	5030.9
5°	4048.8	4186.1	4547.5	4869.3	5008.0
7.5°	3135.4	3361.1	3946.6	4549.0	4796.1
10°	2176.1	2404.9	3191.8	4058.0	4420.9
12.5°	1387.7	1610.4	2459.8	3513.5	3984.8
15°	902.8	1049.2	1756.8	2931.0	3470.8
17.5°	626.8	730.5	1195.6	2313.4	2902.0
20°	448.3	521.5	803.7	1764.4	2334.7
22.5°	324.8	375.1	558.1	1288.6	1814.7
25°	239.4	268.4	396.5	910.4	1372.5
27.5°	176.9	195.2	286.7	628.3	1003.4
30°	128.1	143.3	210.4	431.6	715.2
32.5°	93.0	106.7	157.1	298.9	498.7
35°	70.1	80.8	120.5	210.4	344.6
37.5°	57.9	64.0	99.1	152.5	244.0
40°	48.8	54.9	85.4	112.8	178.4
42.5°	42.7	50.3	70.1	83.9	134.2
45°	39.6	45.7	53.4	64.0	97.6
47.5°	39.6	38.1	41.2	48.8	68.6
50°	38.1	32.0	32.0	38.1	47.3
52.5°	32.0	25.9	25.9	27.4	32.0
55°	24.4	21.3	19.8	21.3	22.9
57.5°	18.3	18.3	16.8	15.2	16.8
60°	13.7	13.7	12.2	12.2	12.2
62.5°	10.7	10.7	10.7	9.1	10.7
65°	9.1	9.1	9.1	7.6	9.1
67.5°	7.6	7.6	6.1	7.6	7.6
70°	6.1	6.1	6.1	6.1	6.1
72.5°	4.6	4.6	4.6	4.6	4.6
75°	4.6	4.6	4.6	4.6	4.6
77.5°	3.0	3.0	3.0	3.0	3.0
80°	3.0	3.0	3.0	3.0	3.0
82.5°	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	1.5	1.5
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)