

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: P1180049

Luminaire Tested: LDA2B209050R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-034-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B209050R2060D010 2LBDC1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

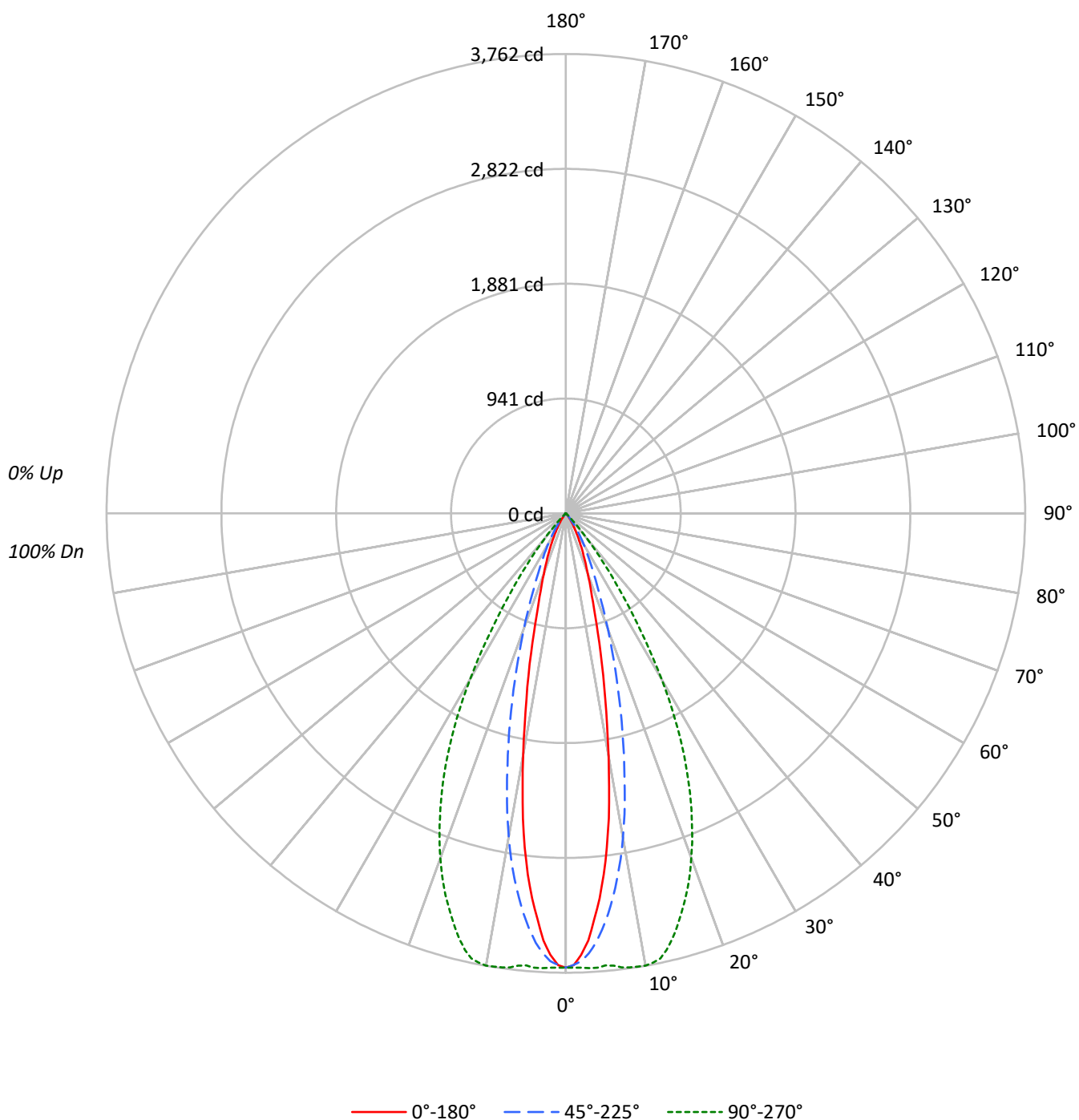
Lumens per Lamp: N/A
Luminaire Lumens: 1481.8 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

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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	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	105	100	96	92	103	99	95	92	96	93	90		94	91	89		91
4	101	95	90	87	99	94	89	86	92	88	85		90	87	84		88
5	97	90	85	82	96	89	85	81	88	84	81		86	83	80		85
6	93	86	81	77	92	85	81	77	84	80	77		82	79	76		81
7	90	82	77	74	89	81	77	73	80	76	73		79	75	73		78
8	86	79	74	70	85	78	73	70	77	73	70		76	72	69		75
9	83	75	70	67	82	75	70	67	74	70	67		73	69	66		72
10	80	72	67	64	79	72	67	64	71	67	64		70	66	64		70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1835454	1835454	1835454
5°	1567405	1694188	1840682
10°	1009109	1350622	1884559
15°	517661	900837	1793349
20°	276478	526442	1577384
25°	154110	288622	1283067
30°	82206	164354	893779
35°	35836	79261	465927
40°	10433	23250	176531
45°	2512	6279	26444
50°	1382	1382	2763
55°	1548	1548	1548
60°	0	1776	1776
65°	0	2101	2101
70°	0	2596	2596
75°	0	3431	3431
80°	0	5114	5114
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 26444 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.1	20.7
10°-20°	559.0	37.7
20°-30°	423.7	28.6
30°-40°	169.5	11.4
40°-50°	17.2	1.2
50°-60°	1.8	0.1
60°-70°	1.6	0.1
70°-80°	1.6	0.1
80°-90°	0.5	0.0
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°	1289.7	87.0
0°-40°	1459.3	98.5
0°-60°	1478.2	99.8
0°-90°	1481.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1481.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3720	3720	3720	3720	3720	
5°	3165	3235	3421	3619	3717	265
15°	1014	1176	1764	2903	3511	290
25°	283	330	530	1515	2357	134
35°	60	74	132	400	774	41
45°	4	5	9	18	38	4
55°	2	2	2	2	2	1
65°	0	2	2	2	2	0
75°	0	2	2	2	2	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3720.3	3720.3	3720.3	3720.3	3720.3
1°	3700.4	3702.2	3698.6	3704.1	3722.1
2°	3617.5	3644.5	3668.0	3691.4	3722.1
3°	3502.1	3534.5	3608.5	3682.4	3729.3
4°	3332.6	3399.3	3525.5	3660.8	3729.3
5°	3164.9	3235.2	3420.9	3619.3	3716.7
6°	2973.7	3074.7	3300.1	3579.6	3723.9
7°	2757.3	2881.7	3166.7	3554.4	3745.5
8°	2522.9	2663.5	3020.6	3500.3	3754.5
9°	2263.2	2434.5	2865.5	3435.4	3758.2
10°	2014.3	2194.7	2696.0	3361.4	3761.8
11°	1765.5	1953.0	2512.0	3289.3	3747.3
12°	1554.5	1733.0	2319.1	3213.5	3725.7
13°	1359.7	1532.8	2127.9	3123.4	3669.8
14°	1179.4	1348.9	1944.0	3018.8	3595.9
15°	1013.5	1175.8	1763.7	2903.4	3511.1
16°	863.8	1015.3	1590.5	2775.3	3417.3
17°	755.6	876.4	1428.2	2640.1	3325.4
18°	670.8	761.0	1275.0	2506.6	3228.0
19°	595.1	667.2	1132.5	2367.8	3119.8
20°	526.6	591.5	1002.7	2223.5	3004.4
21°	468.9	524.8	881.8	2081.0	2887.1
22°	418.4	467.1	773.6	1940.4	2759.1
23°	371.5	414.8	681.7	1797.9	2631.1
24°	326.4	373.3	600.5	1653.7	2497.6
25°	283.1	330.0	530.2	1514.8	2357.0
26°	248.9	292.1	470.7	1379.6	2210.9
27°	214.6	259.7	418.4	1249.7	2063.0
28°	187.5	229.0	371.5	1125.3	1902.5
29°	162.3	202.0	328.2	1002.7	1738.4
30°	144.3	174.9	288.5	887.2	1568.9
32.5°	99.2	117.2	202.0	624.0	1145.1
35°	59.5	73.9	131.6	400.3	773.6
37.5°	32.5	39.7	75.7	239.8	486.9
40°	16.2	19.8	36.1	117.2	274.1
42.5°	7.2	9.0	16.2	45.1	117.2
45°	3.6	5.4	9.0	18.0	37.9
47.5°	1.8	3.6	3.6	7.2	10.8
50°	1.8	1.8	1.8	3.6	3.6
52.5°	1.8	1.8	1.8	3.6	3.6
55°	1.8	1.8	1.8	1.8	1.8
57.5°	0.0	1.8	1.8	1.8	1.8
60°	0.0	1.8	1.8	1.8	1.8
62.5°	0.0	1.8	1.8	1.8	1.8
65°	0.0	1.8	1.8	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.8	1.8	1.8	1.8
70°	0.0	1.8	1.8	1.8	1.8
72.5°	0.0	1.8	1.8	1.8	1.8
75°	0.0	1.8	1.8	1.8	1.8
77.5°	0.0	1.8	1.8	1.8	1.8
80°	0.0	0.0	1.8	1.8	1.8
82.5°	0.0	0.0	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0
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)