

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: P1179853

Luminaire Tested: LDA2B209024R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179853
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: LDA2B209024R2060D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

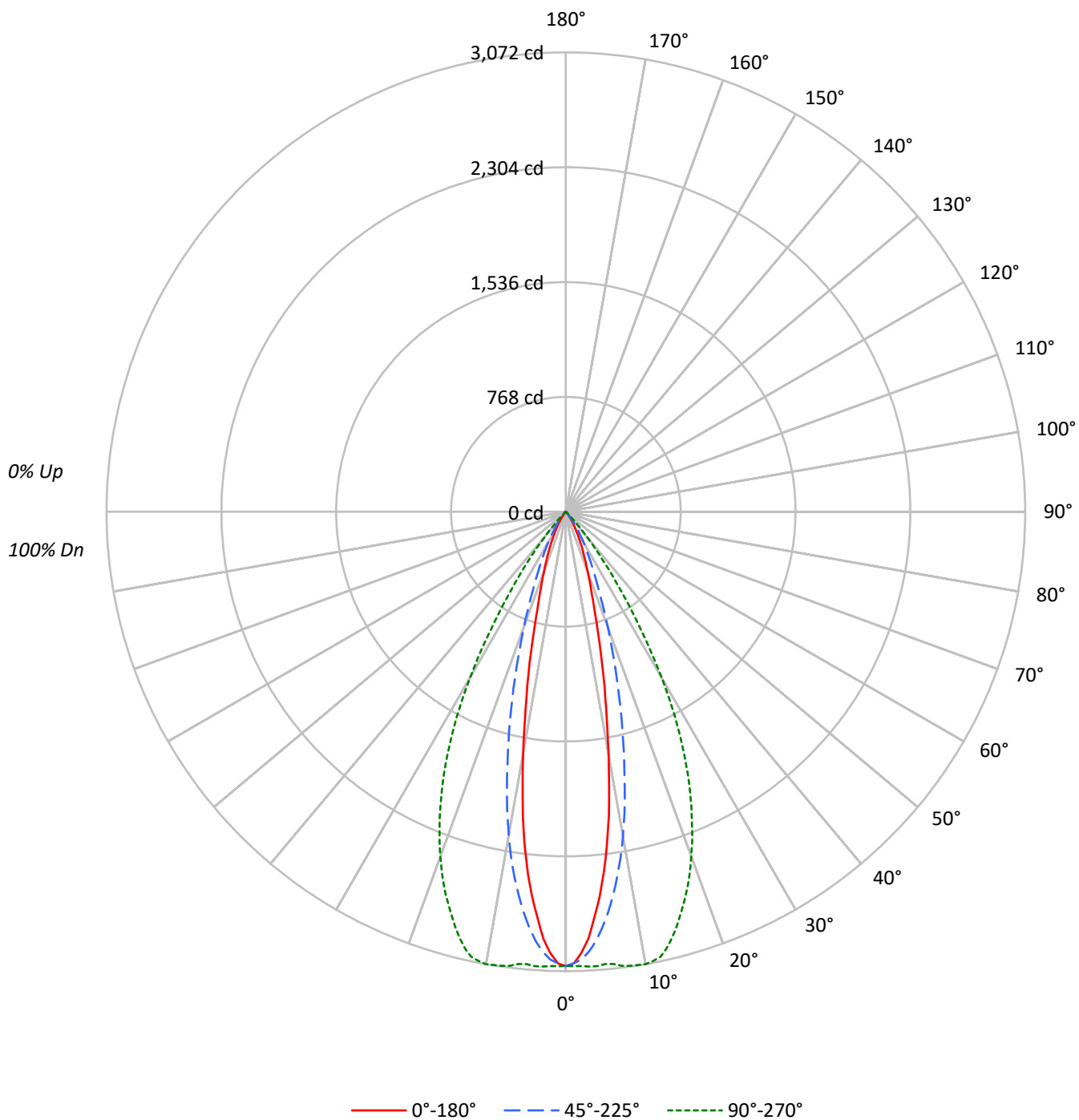
Lumens per Lamp: N/A
Luminaire Lumens: 1210.3 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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	93	92	92	92	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	91	89	87	87	87	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	83	83	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	79	79	78
6	93	86	81	77	92	85	81	77	84	80	77	82	79	76	81	78	76	76	76	74
7	90	82	77	74	89	81	77	73	80	76	73	79	75	73	78	75	72	72	72	71
8	86	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	69	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	66	66	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1498981	1498981	1498981
5°	1280063	1383619	1503221
10°	824150	1103042	1539088
15°	422761	735707	1464570
20°	225761	429943	1288200
25°	125857	235710	1047847
30°	67109	134218	729938
35°	29271	64745	380523
40°	8566	18999	144200
45°	2023	5163	21560
50°	1151	1151	2226
55°	1290	1290	1290
60°	0	1480	1480
65°	0	1751	1751
70°	0	2164	2164
75°	0	2859	2859
80°	0	4262	4262
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 21560 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.8	20.7
10°-20°	456.5	37.7
20°-30°	346.0	28.6
30°-40°	138.4	11.4
40°-50°	14.1	1.2
50°-60°	1.5	0.1
60°-70°	1.3	0.1
70°-80°	1.3	0.1
80°-90°	0.4	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°	1053.3	87.0
0°-40°	1191.8	98.5
0°-60°	1207.3	99.8
0°-90°	1210.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1210.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3038	3038	3038	3038	3038	
5°	2585	2642	2794	2956	3035	216
15°	828	960	1440	2371	2867	237
25°	231	270	433	1237	1925	110
35°	49	60	108	327	632	34
45°	3	4	7	15	31	3
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°	3038.3	3038.3	3038.3	3038.3	3038.3
1°	3022.1	3023.6	3020.6	3025.0	3039.8
2°	2954.3	2976.4	2995.6	3014.7	3039.8
3°	2860.1	2886.6	2947.0	3007.4	3045.7
4°	2721.6	2776.1	2879.2	2989.7	3045.7
5°	2584.7	2642.1	2793.8	2955.8	3035.3
6°	2428.6	2511.0	2695.1	2923.4	3041.2
7°	2251.8	2353.5	2586.2	2902.8	3058.9
8°	2060.4	2175.3	2466.9	2858.6	3066.3
9°	1848.3	1988.2	2340.2	2805.6	3069.2
10°	1645.1	1792.3	2201.8	2745.2	3072.2
11°	1441.8	1595.0	2051.5	2686.3	3060.4
12°	1269.5	1415.3	1894.0	2624.4	3042.7
13°	1110.5	1251.8	1737.8	2550.8	2997.1
14°	963.2	1101.6	1587.6	2465.4	2936.7
15°	827.7	960.2	1440.4	2371.1	2867.4
16°	705.4	829.2	1299.0	2266.6	2790.9
17°	617.1	715.8	1166.4	2156.1	2715.8
18°	547.9	621.5	1041.2	2047.1	2636.2
19°	486.0	544.9	924.9	1933.7	2547.9
20°	430.0	483.1	818.9	1815.9	2453.6
21°	382.9	428.6	720.2	1699.6	2357.9
22°	341.7	381.4	631.8	1584.7	2253.3
23°	303.4	338.7	556.7	1468.3	2148.7
24°	266.6	304.9	490.4	1350.5	2039.8
25°	231.2	269.5	433.0	1237.1	1924.9
26°	203.2	238.6	384.4	1126.7	1805.6
27°	175.3	212.1	341.7	1020.6	1684.8
28°	153.2	187.0	303.4	919.0	1553.8
29°	132.5	164.9	268.0	818.9	1419.7
30°	117.8	142.9	235.6	724.6	1281.3
32.5°	81.0	95.7	164.9	509.6	935.2
35°	48.6	60.4	107.5	327.0	631.8
37.5°	26.5	32.4	61.9	195.9	397.6
40°	13.3	16.2	29.5	95.7	223.9
42.5°	5.9	7.4	13.3	36.8	95.7
45°	2.9	4.4	7.4	14.7	30.9
47.5°	1.5	2.9	2.9	5.9	8.8
50°	1.5	1.5	1.5	2.9	2.9
52.5°	1.5	1.5	1.5	2.9	2.9
55°	1.5	1.5	1.5	1.5	1.5
57.5°	0.0	1.5	1.5	1.5	1.5
60°	0.0	1.5	1.5	1.5	1.5
62.5°	0.0	1.5	1.5	1.5	1.5
65°	0.0	1.5	1.5	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.5	1.5	1.5	1.5
70°	0.0	1.5	1.5	1.5	1.5
72.5°	0.0	1.5	1.5	1.5	1.5
75°	0.0	1.5	1.5	1.5	1.5
77.5°	0.0	1.5	1.5	1.5	1.5
80°	0.0	0.0	1.5	1.5	1.5
82.5°	0.0	0.0	1.5	1.5	1.5
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)