

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: P1179891

Luminaire Tested: LDA2B209027R2060D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179891
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: LDA2B209027R2060D010 2LBD1WMH
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

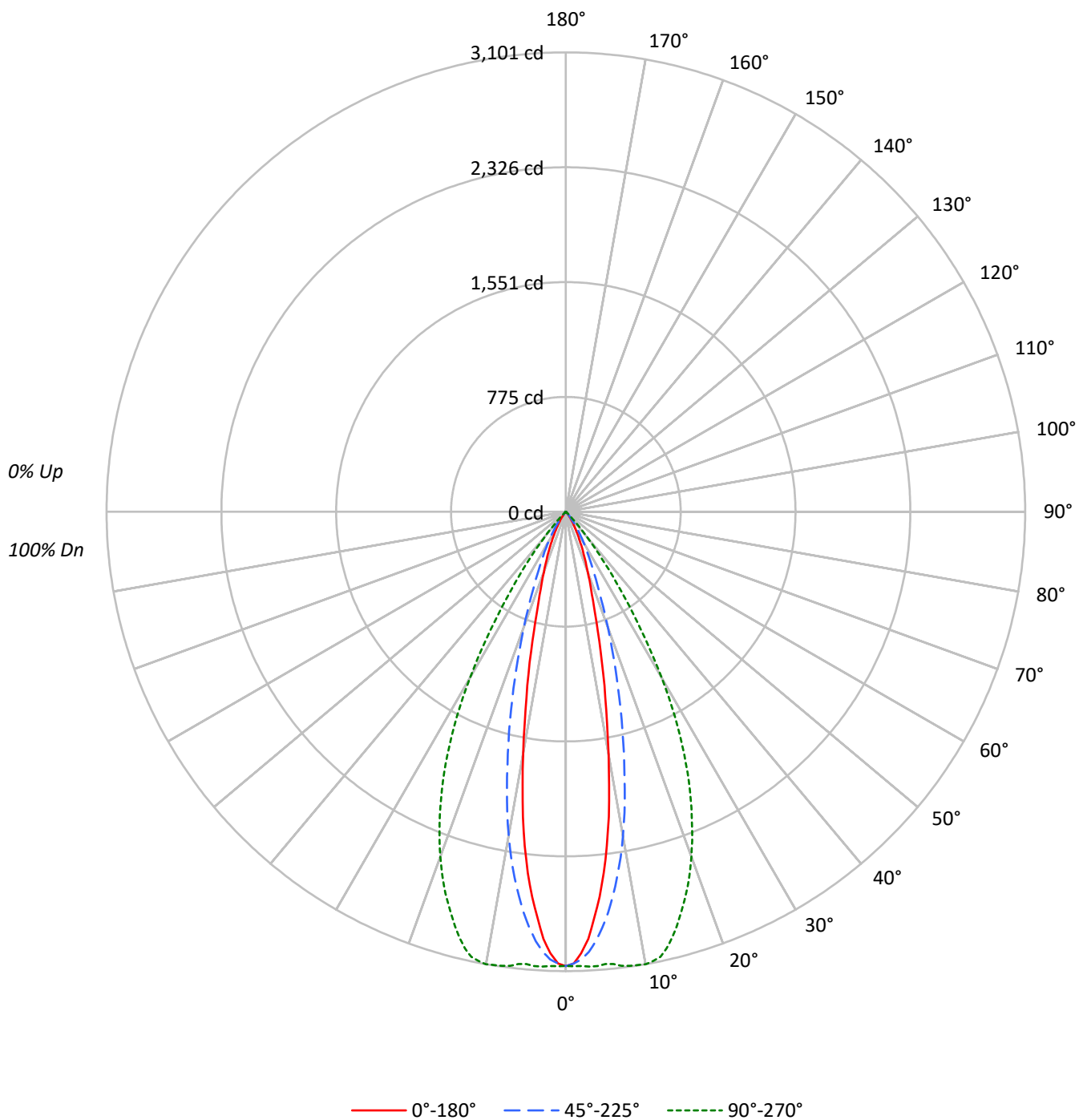
Lumens per Lamp: N/A
Luminaire Lumens: 1221.7 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1513190	1513190	1513190
5°	1292197	1396743	1517484
10°	831965	1113462	1553667
15°	426745	742653	1478462
20°	227913	433985	1300434
25°	127055	237942	1057755
30°	67736	135528	736831
35°	29572	65348	384136
40°	8630	19128	145553
45°	2093	5163	21769
50°	1151	1151	2303
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: 21769 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.1	20.7
10°-20°	460.8	37.7
20°-30°	349.3	28.6
30°-40°	139.8	11.4
40°-50°	14.2	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°	1063.3	87.0
0°-40°	1203.0	98.5
0°-60°	1218.7	99.8
0°-90°	1221.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1221.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3067	3067	3067	3067	3067	
5°	2609	2667	2820	2984	3064	218
15°	836	969	1454	2394	2895	239
25°	233	272	437	1249	1943	111
35°	49	61	108	330	638	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°	3067.1	3067.1	3067.1	3067.1	3067.1
1°	3050.7	3052.2	3049.2	3053.7	3068.6
2°	2982.3	3004.6	3024.0	3043.3	3068.6
3°	2887.2	2913.9	2974.9	3035.9	3074.5
4°	2747.4	2802.4	2906.5	3018.0	3074.5
5°	2609.2	2667.2	2820.3	2983.8	3064.1
6°	2451.6	2534.8	2720.7	2951.1	3070.1
7°	2273.2	2375.8	2610.7	2930.3	3087.9
8°	2079.9	2195.9	2490.2	2885.7	3095.3
9°	1865.8	2007.1	2362.4	2832.2	3098.3
10°	1660.7	1809.3	2222.6	2771.2	3101.3
11°	1455.5	1610.1	2071.0	2711.8	3089.4
12°	1281.5	1428.7	1911.9	2649.3	3071.5
13°	1121.0	1263.7	1754.3	2575.0	3025.5
14°	972.3	1112.1	1602.7	2488.8	2964.5
15°	835.5	969.3	1454.0	2393.6	2894.6
16°	712.1	837.0	1311.3	2288.0	2817.3
17°	622.9	722.5	1177.5	2176.5	2741.5
18°	553.1	627.4	1051.1	2066.5	2661.2
19°	490.6	550.1	933.7	1952.0	2572.0
20°	434.1	487.6	826.6	1833.1	2476.9
21°	386.5	432.6	727.0	1715.7	2380.2
22°	344.9	385.1	637.8	1599.7	2274.7
23°	306.3	341.9	562.0	1482.2	2169.1
24°	269.1	307.7	495.1	1363.3	2059.1
25°	233.4	272.1	437.1	1248.8	1943.1
26°	205.2	240.8	388.0	1137.3	1822.7
27°	176.9	214.1	344.9	1030.3	1700.8
28°	154.6	188.8	306.3	927.7	1568.5
29°	133.8	166.5	270.6	826.6	1433.2
30°	118.9	144.2	237.9	731.5	1293.4
32.5°	81.8	96.6	166.5	514.4	944.1
35°	49.1	61.0	108.5	330.0	637.8
37.5°	26.8	32.7	62.4	197.7	401.4
40°	13.4	16.4	29.7	96.6	226.0
42.5°	5.9	7.4	13.4	37.2	96.6
45°	3.0	4.5	7.4	14.9	31.2
47.5°	1.5	3.0	3.0	5.9	8.9
50°	1.5	1.5	1.5	3.0	3.0
52.5°	1.5	1.5	1.5	3.0	3.0
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)