

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: P1179807

Luminaire Tested: LDA2B208050R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179807
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: LDA2B208050R2060D010 2LBD1LI
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

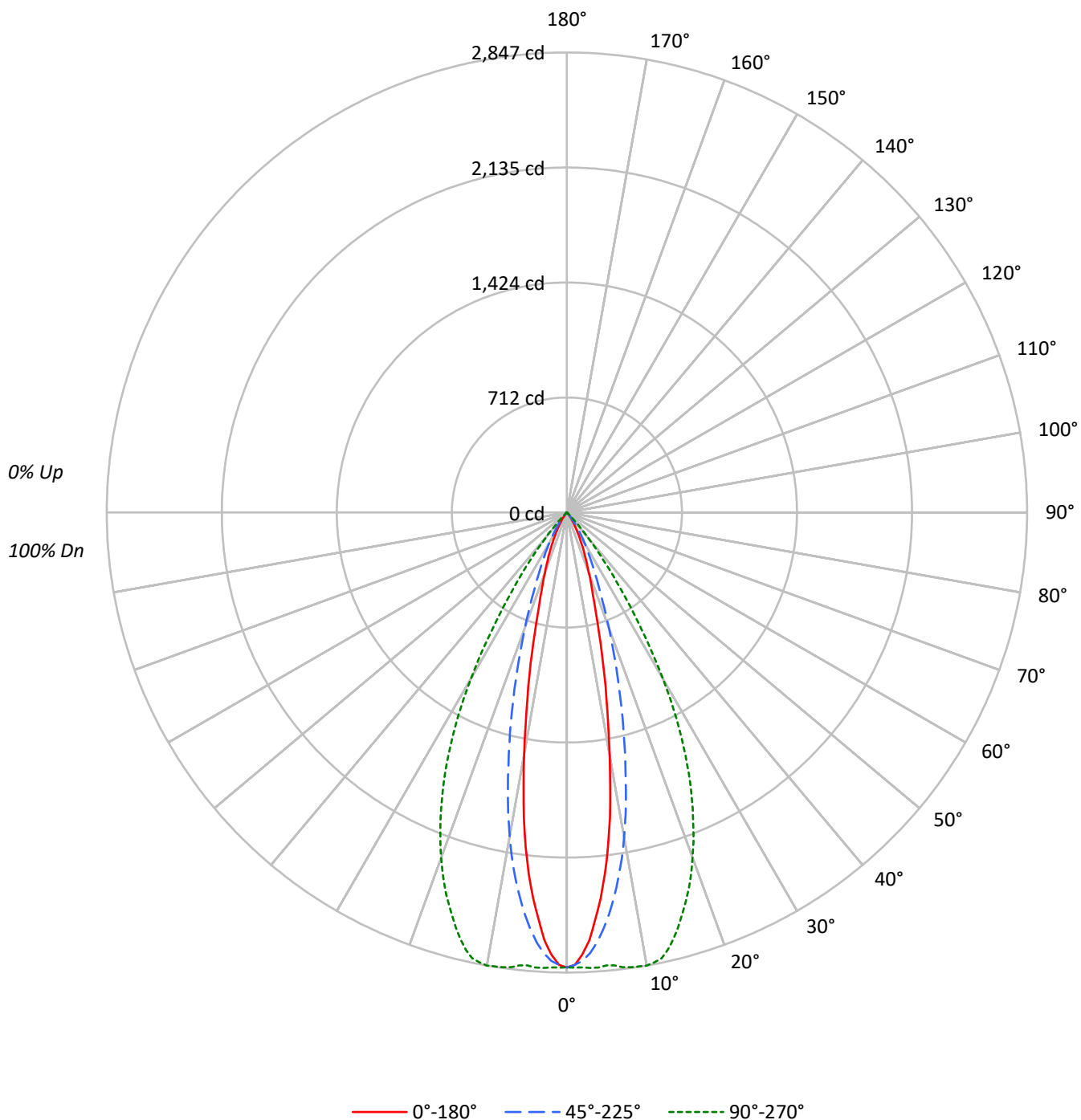
Lumens per Lamp: N/A
Luminaire Lumens: 1121.7 lumens
Efficiency: N/A
Efficacy: 54.5 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1389208	1389208	1389208
5°	1186313	1282292	1393178
10°	763783	1022235	1426369
15°	391808	681821	1357360
20°	209275	398441	1193854
25°	116657	218453	971092
30°	62210	124419	676501
35°	27103	59987	352637
40°	7922	17582	133638
45°	1884	4744	20025
50°	1075	1075	2072
55°	1204	1204	1204
60°	0	1381	1381
65°	0	1634	1634
70°	0	2019	2019
75°	0	2669	2669
80°	0	3978	3978
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 20025 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.4	20.7
10°-20°	423.1	37.7
20°-30°	320.7	28.6
30°-40°	128.3	11.4
40°-50°	13.0	1.2
50°-60°	1.4	0.1
60°-70°	1.2	0.1
70°-80°	1.2	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°	976.2	87.0
0°-40°	1104.5	98.5
0°-60°	1118.9	99.7
0°-90°	1121.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1121.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2816	2816	2816	2816	2816	
5°	2395	2449	2589	2739	2813	201
15°	767	890	1335	2198	2658	220
25°	214	250	401	1146	1784	102
35°	45	56	100	303	586	31
45°	3	4	7	14	29	3
55°	1	1	1	1	1	1
65°	0	1	1	1	1	0
75°	0	1	1	1	1	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°	2815.8	2815.8	2815.8	2815.8	2815.8
1°	2800.8	2802.2	2799.4	2803.5	2817.2
2°	2738.0	2758.5	2776.2	2794.0	2817.2
3°	2650.6	2675.2	2731.2	2787.1	2822.6
4°	2522.3	2572.8	2668.4	2770.8	2822.6
5°	2395.4	2448.6	2589.2	2739.4	2813.1
6°	2250.7	2327.2	2497.8	2709.3	2818.5
7°	2086.9	2181.1	2396.8	2690.2	2834.9
8°	1909.5	2016.0	2286.2	2649.3	2841.7
9°	1713.0	1842.6	2168.8	2600.1	2844.5
10°	1524.6	1661.1	2040.5	2544.2	2847.2
11°	1336.2	1478.2	1901.3	2489.6	2836.3
12°	1176.5	1311.7	1755.3	2432.3	2819.9
13°	1029.1	1160.2	1610.6	2364.0	2777.6
14°	892.6	1020.9	1471.4	2284.9	2721.6
15°	767.1	889.9	1334.9	2197.5	2657.5
16°	653.8	768.4	1203.8	2100.6	2586.5
17°	571.9	663.3	1081.0	1998.2	2516.9
18°	507.7	576.0	965.0	1897.2	2443.2
19°	450.4	505.0	857.2	1792.1	2361.3
20°	398.6	447.7	758.9	1682.9	2273.9
21°	354.9	397.2	667.4	1575.1	2185.2
22°	316.7	353.5	585.5	1468.6	2088.3
23°	281.2	313.9	515.9	1360.8	1991.4
24°	247.0	282.5	454.5	1251.6	1890.4
25°	214.3	249.8	401.3	1146.5	1783.9
26°	188.4	221.1	356.2	1044.2	1673.4
27°	162.4	196.5	316.7	945.9	1561.5
28°	142.0	173.3	281.2	851.7	1440.0
29°	122.8	152.9	248.4	758.9	1315.8
30°	109.2	132.4	218.4	671.5	1187.5
32.5°	75.1	88.7	152.9	472.3	866.7
35°	45.0	56.0	99.6	303.0	585.5
37.5°	24.6	30.0	57.3	181.5	368.5
40°	12.3	15.0	27.3	88.7	207.5
42.5°	5.5	6.8	12.3	34.1	88.7
45°	2.7	4.1	6.8	13.6	28.7
47.5°	1.4	2.7	2.7	5.5	8.2
50°	1.4	1.4	1.4	2.7	2.7
52.5°	1.4	1.4	1.4	2.7	2.7
55°	1.4	1.4	1.4	1.4	1.4
57.5°	0.0	1.4	1.4	1.4	1.4
60°	0.0	1.4	1.4	1.4	1.4
62.5°	0.0	1.4	1.4	1.4	1.4
65°	0.0	1.4	1.4	1.4	1.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.4	1.4	1.4	1.4
70°	0.0	1.4	1.4	1.4	1.4
72.5°	0.0	1.4	1.4	1.4	1.4
75°	0.0	1.4	1.4	1.4	1.4
77.5°	0.0	1.4	1.4	1.4	1.4
80°	0.0	0.0	1.4	1.4	1.4
82.5°	0.0	0.0	1.4	1.4	1.4
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)