

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: P1179777

Luminaire Tested: LDA2B208040R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179777
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: LDA2B208040R2060D010 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

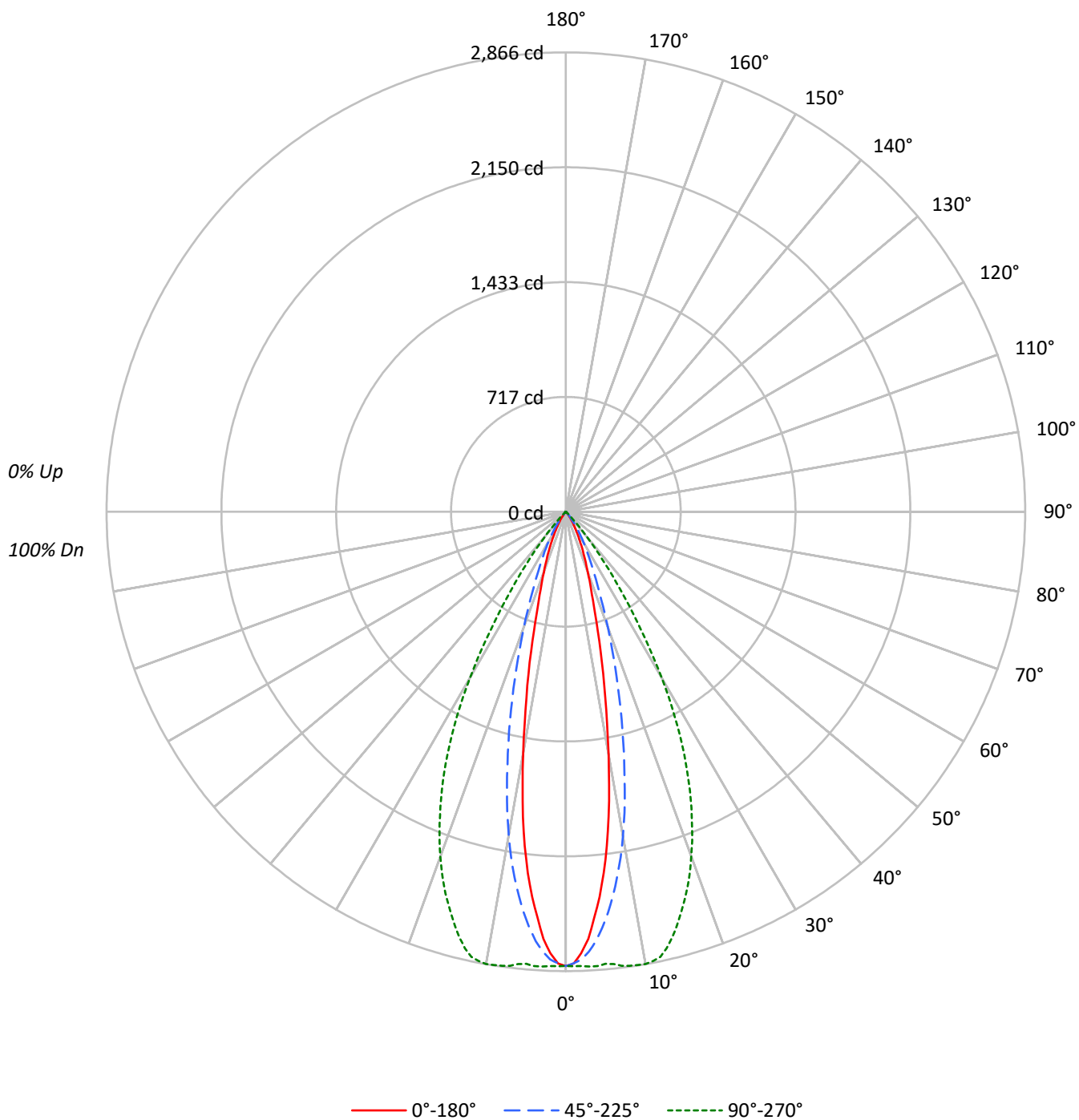
Lumens per Lamp: N/A
Luminaire Lumens: 1129.0 lumens
Efficiency: N/A
Efficacy: 54.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
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°	1398335	1398335	1398335
5°	1194088	1290711	1402290
10°	768793	1028948	1435738
15°	394362	686265	1366247
20°	210640	401066	1201729
25°	117419	219869	977461
30°	62608	125217	680945
35°	27283	60409	354986
40°	7986	17711	134475
45°	1884	4814	20164
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: 20164 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.9	20.7
10°-20°	425.8	37.7
20°-30°	322.8	28.6
30°-40°	129.1	11.4
40°-50°	13.1	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°	982.6	87.0
0°-40°	1111.7	98.5
0°-60°	1126.2	99.8
0°-90°	1129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1129.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2834	2834	2834	2834	2834	
5°	2411	2465	2606	2757	2832	202
15°	772	896	1344	2212	2675	221
25°	216	251	404	1154	1796	102
35°	45	56	100	305	589	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°	2834.3	2834.3	2834.3	2834.3	2834.3
1°	2819.2	2820.5	2817.8	2821.9	2835.7
2°	2756.0	2776.6	2794.4	2812.3	2835.7
3°	2668.0	2692.8	2749.1	2805.4	2841.1
4°	2538.9	2589.7	2685.9	2788.9	2841.1
5°	2411.1	2464.7	2606.2	2757.3	2831.5
6°	2265.5	2342.4	2514.2	2727.1	2837.0
7°	2100.6	2195.4	2412.5	2707.9	2853.5
8°	1922.0	2029.2	2301.2	2666.7	2860.4
9°	1724.2	1854.7	2183.1	2617.2	2863.1
10°	1534.6	1672.0	2053.9	2560.9	2865.9
11°	1345.0	1487.9	1913.8	2505.9	2854.9
12°	1184.3	1320.3	1766.8	2448.2	2838.4
13°	1035.9	1167.8	1621.2	2379.5	2795.8
14°	898.5	1027.6	1481.0	2299.8	2739.5
15°	772.1	895.8	1343.6	2211.9	2674.9
16°	658.1	773.5	1211.7	2114.4	2603.5
17°	575.6	667.7	1088.1	2011.3	2533.4
18°	511.1	579.8	971.3	1909.7	2459.2
19°	453.4	508.3	862.8	1803.9	2376.8
20°	401.2	450.6	763.9	1694.0	2288.9
21°	357.2	399.8	671.8	1585.4	2199.6
22°	318.7	355.8	589.4	1478.3	2102.0
23°	283.0	316.0	519.3	1369.7	2004.5
24°	248.7	284.4	457.5	1259.8	1902.8
25°	215.7	251.4	403.9	1154.0	1795.6
26°	189.6	222.6	358.6	1051.0	1684.4
27°	163.5	197.8	318.7	952.1	1571.7
28°	142.9	174.5	283.0	857.3	1449.4
29°	123.6	153.9	250.0	763.9	1324.4
30°	109.9	133.3	219.8	675.9	1195.3
32.5°	75.6	89.3	153.9	475.4	872.4
35°	45.3	56.3	100.3	305.0	589.4
37.5°	24.7	30.2	57.7	182.7	370.9
40°	12.4	15.1	27.5	89.3	208.8
42.5°	5.5	6.9	12.4	34.3	89.3
45°	2.7	4.1	6.9	13.7	28.9
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)