

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: P1179663

Luminaire Tested: LDA2B208027R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179663
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: LDA2B208027R2060D010 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

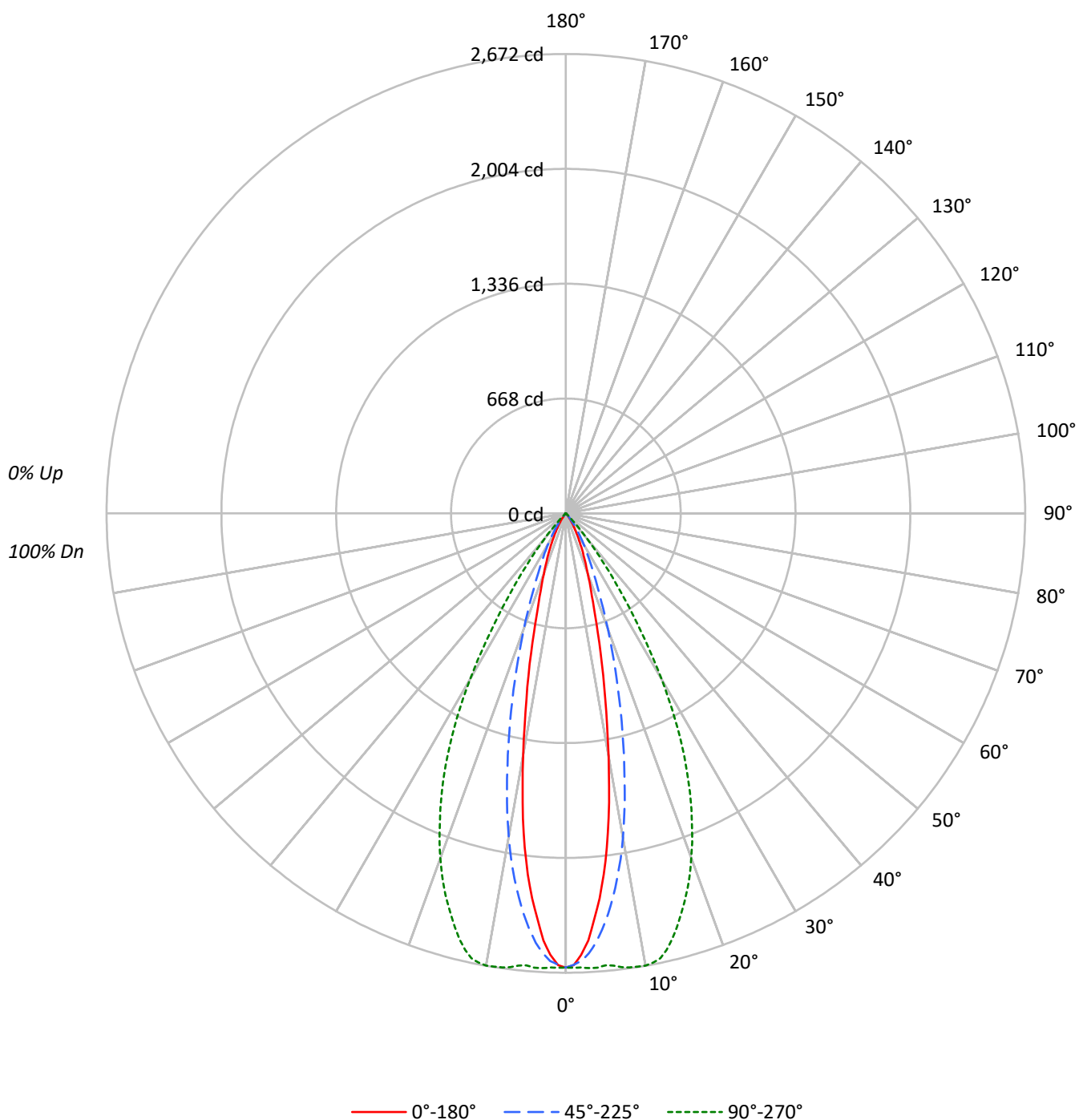
Lumens per Lamp: N/A
Luminaire Lumens: 1052.4 lumens
Efficiency: N/A
Efficacy: 51.1 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1303511	1303511	1303511
5°	1113116	1203201	1307203
10°	716641	959162	1338349
15°	367649	639734	1273594
20°	196359	373870	1120193
25°	109472	204953	911212
30°	58393	116728	634743
35°	25477	56314	330895
40°	7406	16487	125394
45°	1814	4465	18769
50°	998	998	1996
55°	1118	1118	1118
60°	0	1283	1283
65°	0	1518	1518
70°	0	1875	1875
75°	0	2478	2478
80°	0	3694	3694
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 18769 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.1	20.7
10°-20°	397.0	37.7
20°-30°	300.9	28.6
30°-40°	120.4	11.4
40°-50°	12.2	1.2
50°-60°	1.3	0.1
60°-70°	1.1	0.1
70°-80°	1.2	0.1
80°-90°	0.3	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°	916.0	87.0
0°-40°	1036.3	98.5
0°-60°	1049.8	99.8
0°-90°	1052.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1052.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2642	2642	2642	2642	2642	
5°	2248	2298	2430	2570	2640	188
15°	720	835	1252	2062	2494	206
25°	201	234	376	1076	1674	95
35°	42	52	94	284	549	29
45°	3	4	6	13	27	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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2642.1	2642.1	2642.1	2642.1	2642.1
1°	2628.0	2629.3	2626.7	2630.6	2643.4
2°	2569.1	2588.3	2604.9	2621.6	2643.4
3°	2487.1	2510.2	2562.7	2615.2	2648.5
4°	2366.7	2414.1	2503.8	2599.8	2648.5
5°	2247.6	2297.6	2429.5	2570.4	2639.5
6°	2111.9	2183.6	2343.7	2542.2	2644.6
7°	1958.2	2046.6	2248.9	2524.3	2660.0
8°	1791.7	1891.6	2145.2	2485.8	2666.4
9°	1607.3	1728.9	2035.0	2439.7	2669.0
10°	1430.5	1558.6	1914.6	2387.2	2671.5
11°	1253.8	1387.0	1784.0	2336.0	2661.3
12°	1104.0	1230.8	1647.0	2282.2	2645.9
13°	965.6	1088.6	1511.2	2218.2	2606.2
14°	837.6	958.0	1380.6	2143.9	2553.7
15°	719.8	835.0	1252.5	2061.9	2493.5
16°	613.5	721.0	1129.6	1971.0	2426.9
17°	536.6	622.4	1014.3	1874.9	2361.6
18°	476.4	540.5	905.5	1780.2	2292.5
19°	422.6	473.9	804.3	1681.6	2215.6
20°	374.0	420.1	712.1	1579.1	2133.6
21°	333.0	372.7	626.3	1477.9	2050.4
22°	297.1	331.7	549.4	1378.0	1959.5
23°	263.8	294.6	484.1	1276.9	1868.5
24°	231.8	265.1	426.5	1174.4	1773.8
25°	201.1	234.4	376.5	1075.8	1673.9
26°	176.7	207.5	334.3	979.7	1570.1
27°	152.4	184.4	297.1	887.5	1465.1
28°	133.2	162.6	263.8	799.2	1351.1
29°	115.3	143.4	233.1	712.1	1234.6
30°	102.5	124.2	204.9	630.1	1114.2
32.5°	70.4	83.2	143.4	443.1	813.2
35°	42.3	52.5	93.5	284.3	549.4
37.5°	23.1	28.2	53.8	170.3	345.8
40°	11.5	14.1	25.6	83.2	194.7
42.5°	5.1	6.4	11.5	32.0	83.2
45°	2.6	3.8	6.4	12.8	26.9
47.5°	1.3	2.6	2.6	5.1	7.7
50°	1.3	1.3	1.3	2.6	2.6
52.5°	1.3	1.3	1.3	2.6	2.6
55°	1.3	1.3	1.3	1.3	1.3
57.5°	0.0	1.3	1.3	1.3	1.3
60°	0.0	1.3	1.3	1.3	1.3
62.5°	0.0	1.3	1.3	1.3	1.3
65°	0.0	1.3	1.3	1.3	1.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.3	1.3	1.3	1.3
70°	0.0	1.3	1.3	1.3	1.3
72.5°	0.0	1.3	1.3	1.3	1.3
75°	0.0	1.3	1.3	1.3	1.3
77.5°	0.0	1.3	1.3	1.3	1.3
80°	0.0	0.0	1.3	1.3	1.3
82.5°	0.0	0.0	1.3	1.3	1.3
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)