

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: P1180008

Luminaire Tested: LDA2B209040R2060D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180008
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: LDA2B209040R2060D010 2LBD1WMH
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

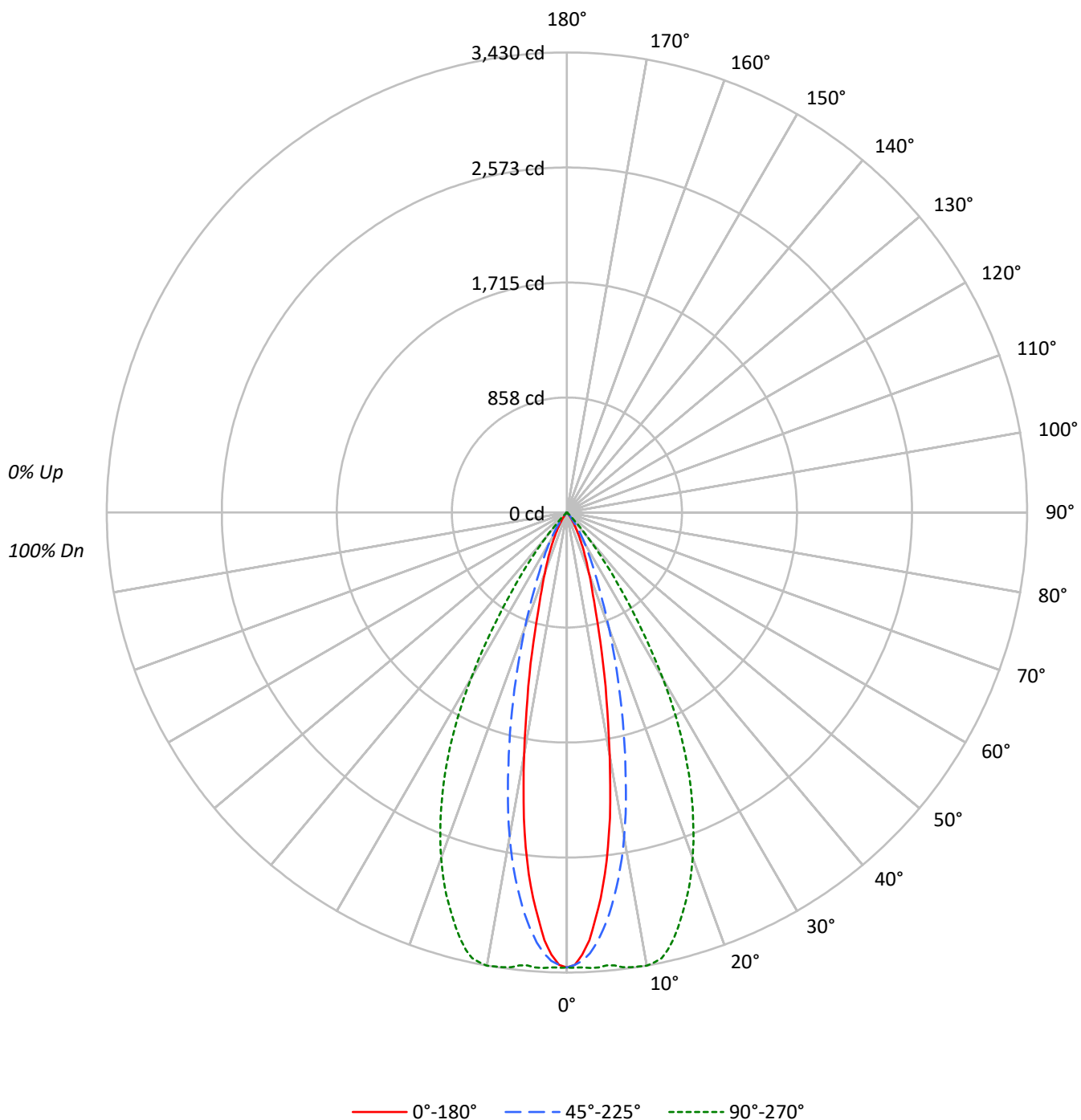
Lumens per Lamp: N/A
Luminaire Lumens: 1351.2 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1180008

CATALOG NUMBER: LDA2B209040R2060D010 2LBD1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1180008

CATALOG NUMBER: LDA2B209040R2060D010 2LBD1WMH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	93	92	90
3	105	100	96	92	103	99	95	92	96	93	90		94	91	89		91	89	87	86
4	101	95	90	87	99	94	89	86	92	88	85		90	87	84		88	85	83	82
5	97	90	85	82	96	89	85	81	88	84	81		86	83	80		85	82	79	78
6	93	86	81	77	92	85	81	77	84	80	77		83	79	76		81	78	76	74
7	90	82	77	74	89	81	77	73	80	76	73		79	75	73		78	75	72	71
8	86	79	74	70	85	78	73	70	77	73	70		76	72	69		75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67		73	69	66		72	69	66	65
10	80	72	67	64	79	72	67	64	71	67	64		70	66	64		70	66	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1673779	1673779	1673779
5°	1429330	1544971	1678538
10°	920237	1231641	1718537
15°	472050	821464	1635421
20°	252117	480030	1438463
25°	140555	263200	1170057
30°	74971	149884	815049
35°	32704	72274	424911
40°	9532	21189	161010
45°	2302	5721	24071
50°	1228	1228	2533
55°	1376	1376	1376
60°	0	1579	1579
65°	0	1868	1868
70°	0	2308	2308
75°	0	3050	3050
80°	0	4546	4546
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 24071 cd/sqm

TEST NUMBER: P1180008

CATALOG NUMBER: LDA2B209040R2060D010 2LBD1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.0	20.7
10°-20°	509.7	37.7
20°-30°	386.4	28.6
30°-40°	154.6	11.4
40°-50°	15.7	1.2
50°-60°	1.6	0.1
60°-70°	1.4	0.1
70°-80°	1.4	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°	1176.1	87.0
0°-40°	1330.7	98.5
0°-60°	1348.0	99.8
0°-90°	1351.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1351.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3393	3393	3393	3393	3393	
5°	2886	2950	3120	3300	3389	242
15°	924	1072	1608	2648	3202	265
25°	258	301	484	1381	2149	122
35°	54	67	120	365	706	37
45°	3	5	8	16	34	4
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	

TEST NUMBER: P1180008

CATALOG NUMBER: LDA2B209040R2060D010 2LBD1WMH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3392.6	3392.6	3392.6	3392.6	3392.6
1°	3374.5	3376.2	3372.9	3377.8	3394.3
2°	3298.9	3323.6	3344.9	3366.3	3394.3
3°	3193.6	3223.2	3290.7	3358.1	3400.8
4°	3039.1	3099.9	3215.0	3338.4	3400.8
5°	2886.1	2950.2	3119.6	3300.5	3389.3
6°	2711.8	2803.9	3009.5	3264.4	3395.9
7°	2514.5	2627.9	2887.8	3241.3	3415.6
8°	2300.7	2428.9	2754.6	3192.0	3423.9
9°	2063.9	2220.1	2613.1	3132.8	3427.2
10°	1836.9	2001.4	2458.5	3065.4	3430.4
11°	1610.0	1781.0	2290.8	2999.6	3417.3
12°	1417.6	1580.4	2114.8	2930.5	3397.6
13°	1240.0	1397.8	1940.5	2848.3	3346.6
14°	1075.5	1230.1	1772.8	2752.9	3279.2
15°	924.2	1072.2	1608.3	2647.7	3201.9
16°	787.7	925.9	1450.5	2530.9	3116.3
17°	689.0	799.2	1302.5	2407.6	3032.5
18°	611.8	694.0	1162.7	2285.9	2943.7
19°	542.7	608.5	1032.8	2159.2	2845.0
20°	480.2	539.4	914.3	2027.7	2739.8
21°	427.6	478.6	804.2	1897.8	2632.9
22°	381.5	425.9	705.5	1769.5	2516.1
23°	338.8	378.2	621.6	1639.6	2399.3
24°	297.7	340.4	547.6	1508.0	2277.6
25°	258.2	300.9	483.5	1381.4	2149.4
26°	226.9	266.4	429.2	1258.0	2016.2
27°	195.7	236.8	381.5	1139.6	1881.3
28°	171.0	208.9	338.8	1026.2	1735.0
29°	148.0	184.2	299.3	914.3	1585.3
30°	131.6	159.5	263.1	809.1	1430.7
32.5°	90.4	106.9	184.2	569.0	1044.3
35°	54.3	67.4	120.0	365.1	705.5
37.5°	29.6	36.2	69.1	218.7	444.0
40°	14.8	18.1	32.9	106.9	250.0
42.5°	6.6	8.2	14.8	41.1	106.9
45°	3.3	4.9	8.2	16.4	34.5
47.5°	1.6	3.3	3.3	6.6	9.9
50°	1.6	1.6	1.6	3.3	3.3
52.5°	1.6	1.6	1.6	3.3	3.3
55°	1.6	1.6	1.6	1.6	1.6
57.5°	0.0	1.6	1.6	1.6	1.6
60°	0.0	1.6	1.6	1.6	1.6
62.5°	0.0	1.6	1.6	1.6	1.6
65°	0.0	1.6	1.6	1.6	1.6



TEST NUMBER: P1180008

CATALOG NUMBER: LDA2B209040R2060D010 2LBD1WMH

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.6	1.6	1.6	1.6
70°	0.0	1.6	1.6	1.6	1.6
72.5°	0.0	1.6	1.6	1.6	1.6
75°	0.0	1.6	1.6	1.6	1.6
77.5°	0.0	1.6	1.6	1.6	1.6
80°	0.0	0.0	1.6	1.6	1.6
82.5°	0.0	0.0	1.6	1.6	1.6
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)