

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: P1180011

Luminaire Tested: LDA2B209040R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180011
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 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

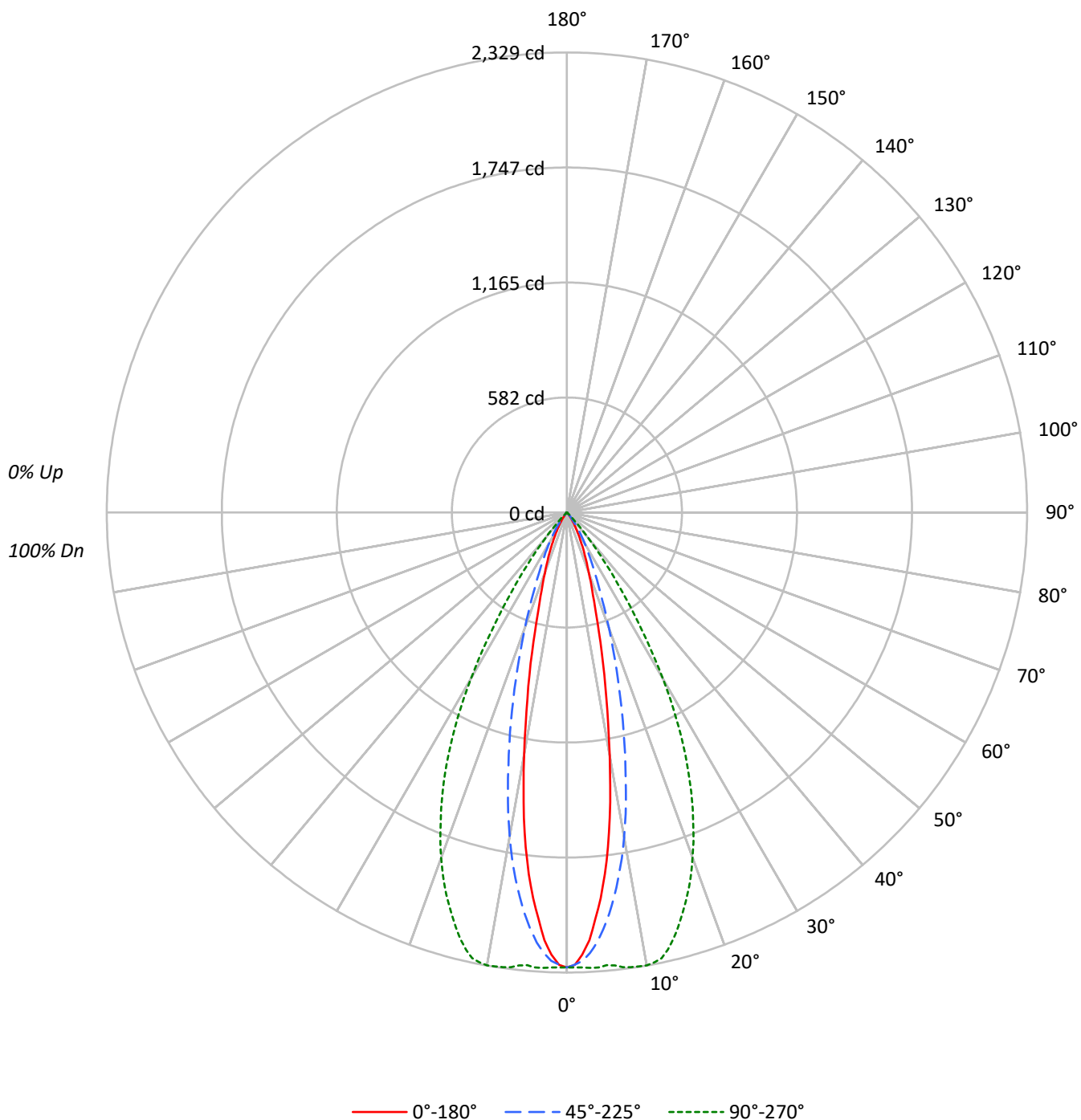
Lumens per Lamp: N/A
Luminaire Lumens: 917.3 lumens
Efficiency: N/A
Efficacy: 44.5 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1180011

CATALOG NUMBER: LDA2B209040R2060D010 2LBDC1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1180011

CATALOG NUMBER: LDA2B209040R2060D010 2LBDC1MW

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°	1136262	1136262	1136262
5°	970287	1048783	1139463
10°	624713	836123	1166615
15°	320454	557654	1110200
20°	171158	325883	976493
25°	95427	178660	794282
30°	50873	101746	553278
35°	22164	49086	288434
40°	6440	14362	109293
45°	1535	3907	16327
50°	844	844	1689
55°	946	946	946
60°	0	1085	1085
65°	0	1284	1284
70°	0	1587	1587
75°	0	2097	2097
80°	0	3125	3125
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 16327 cd/sqm

TEST NUMBER: P1180011

CATALOG NUMBER: LDA2B209040R2060D010 2LBDC1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.1	20.7
10°-20°	346.0	37.7
20°-30°	262.3	28.6
30°-40°	104.9	11.4
40°-50°	10.6	1.2
50°-60°	1.1	0.1
60°-70°	1.0	0.1
70°-80°	1.0	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°	798.4	87.0
0°-40°	903.4	98.5
0°-60°	915.1	99.8
0°-90°	917.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	917.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2303	2303	2303	2303	2303	
5°	1959	2003	2118	2240	2301	164
15°	627	728	1092	1797	2174	180
25°	175	204	328	938	1459	83
35°	37	46	82	248	479	25
45°	2	3	6	11	23	2
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

TEST NUMBER: P1180011

CATALOG NUMBER: LDA2B209040R2060D010 2LBDC1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2303.1	2303.1	2303.1	2303.1	2303.1
1°	2290.8	2291.9	2289.7	2293.0	2304.2
2°	2239.4	2256.2	2270.7	2285.2	2304.2
3°	2168.0	2188.1	2233.9	2279.6	2308.6
4°	2063.0	2104.4	2182.5	2266.2	2308.6
5°	1959.2	2002.8	2117.7	2240.5	2300.8
6°	1840.9	1903.4	2043.0	2216.0	2305.3
7°	1706.9	1784.0	1960.3	2200.4	2318.7
8°	1561.8	1648.9	1869.9	2166.9	2324.3
9°	1401.0	1507.1	1773.9	2126.7	2326.5
10°	1247.0	1358.6	1669.0	2080.9	2328.7
11°	1092.9	1209.0	1555.1	2036.3	2319.8
12°	962.3	1072.8	1435.6	1989.4	2306.4
13°	841.7	948.9	1317.3	1933.5	2271.8
14°	730.1	835.0	1203.4	1868.8	2226.0
15°	627.4	727.9	1091.8	1797.4	2173.6
16°	534.7	628.5	984.6	1718.1	2115.5
17°	467.8	542.6	884.2	1634.4	2058.6
18°	415.3	471.1	789.3	1551.8	1998.3
19°	368.4	413.1	701.1	1465.8	1931.3
20°	326.0	366.2	620.7	1376.5	1859.9
21°	290.3	324.9	545.9	1288.3	1787.3
22°	259.0	289.1	478.9	1201.2	1708.0
23°	230.0	256.8	422.0	1113.0	1628.8
24°	202.1	231.1	371.8	1023.7	1546.2
25°	175.3	204.3	328.2	937.7	1459.1
26°	154.1	180.9	291.4	854.0	1368.7
27°	132.8	160.8	259.0	773.6	1277.1
28°	116.1	141.8	230.0	696.6	1177.8
29°	100.5	125.0	203.2	620.7	1076.2
30°	89.3	108.3	178.6	549.3	971.2
32.5°	61.4	72.6	125.0	386.3	708.9
35°	36.8	45.8	81.5	247.8	478.9
37.5°	20.1	24.6	46.9	148.5	301.4
40°	10.0	12.3	22.3	72.6	169.7
42.5°	4.5	5.6	10.0	27.9	72.6
45°	2.2	3.3	5.6	11.2	23.4
47.5°	1.1	2.2	2.2	4.5	6.7
50°	1.1	1.1	1.1	2.2	2.2
52.5°	1.1	1.1	1.1	2.2	2.2
55°	1.1	1.1	1.1	1.1	1.1
57.5°	0.0	1.1	1.1	1.1	1.1
60°	0.0	1.1	1.1	1.1	1.1
62.5°	0.0	1.1	1.1	1.1	1.1
65°	0.0	1.1	1.1	1.1	1.1



TEST NUMBER: P1180011

CATALOG NUMBER: LDA2B209040R2060D010 2LBDC1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.1	1.1	1.1	1.1
70°	0.0	1.1	1.1	1.1	1.1
72.5°	0.0	1.1	1.1	1.1	1.1
75°	0.0	1.1	1.1	1.1	1.1
77.5°	0.0	1.1	1.1	1.1	1.1
80°	0.0	0.0	1.1	1.1	1.1
82.5°	0.0	0.0	1.1	1.1	1.1
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)