

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: P1180128

Luminaire Tested: LDA2B209730R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180128
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: LDA2B209730R2060D010 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

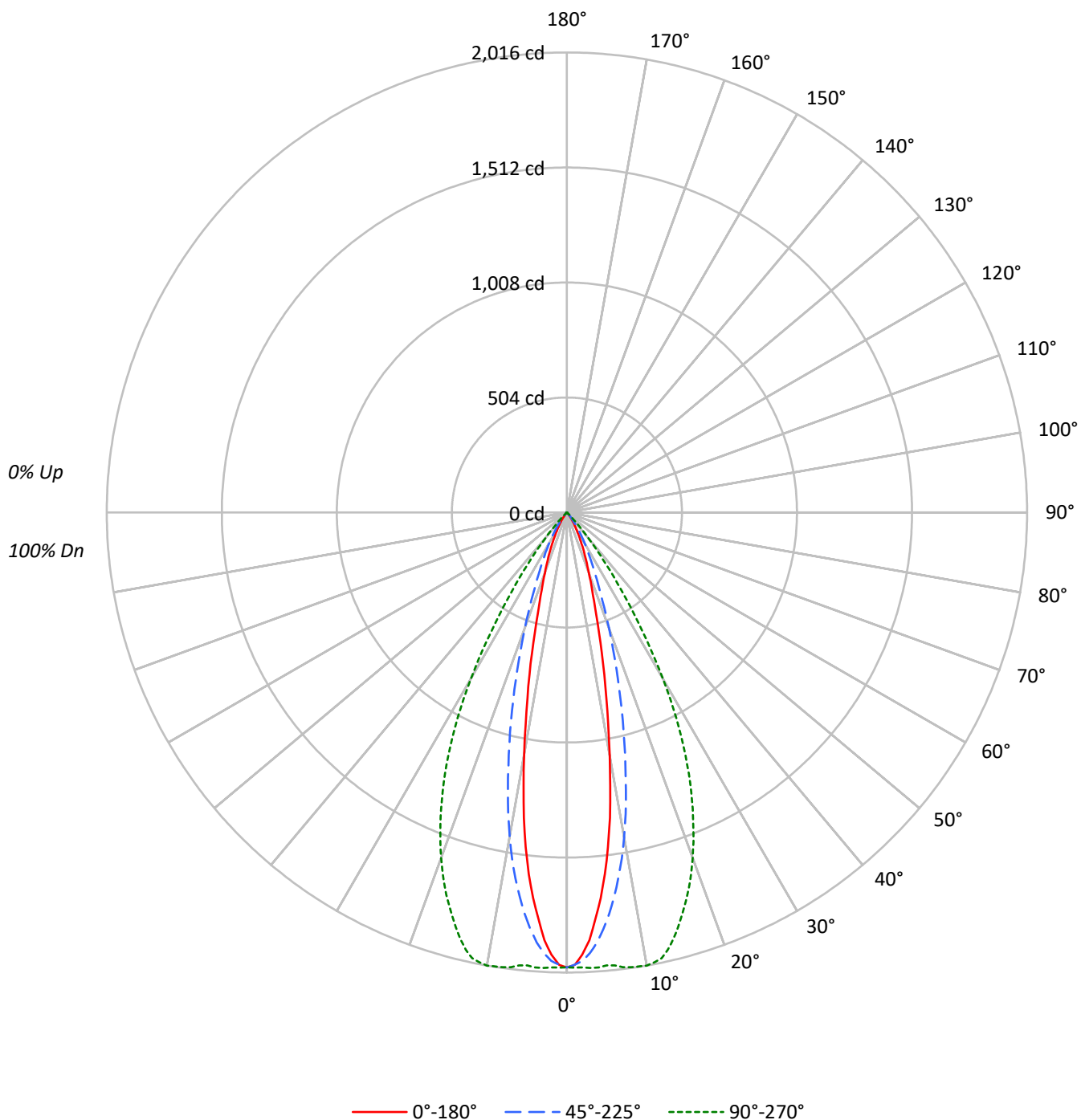
Lumens per Lamp: N/A
Luminaire Lumens: 794.3 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

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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°	983665	983665	983665
5°	840037	907985	986481
10°	540850	723855	1010011
15°	277448	482776	961108
20°	148162	282148	845395
25°	82580	154654	687641
30°	44037	88073	478991
35°	19213	42521	249707
40°	5603	12430	94609
45°	1326	3349	14164
50°	768	768	1458
55°	860	860	860
60°	0	987	987
65°	0	1167	1167
70°	0	1442	1442
75°	0	1906	1906
80°	0	2841	2841
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 14164 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.6	20.7
10°-20°	299.6	37.7
20°-30°	227.1	28.6
30°-40°	90.8	11.4
40°-50°	9.2	1.2
50°-60°	1.0	0.1
60°-70°	0.9	0.1
70°-80°	0.9	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°	691.2	87.0
0°-40°	782.1	98.5
0°-60°	792.3	99.7
0°-90°	794.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	794.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1994	1994	1994	1994	1994	
5°	1696	1734	1833	1940	1992	142
15°	543	630	945	1556	1882	155
25°	152	177	284	812	1263	72
35°	32	40	71	215	415	22
45°	2	3	5	10	20	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

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1993.8	1993.8	1993.8	1993.8	1993.8
1°	1983.2	1984.2	1982.2	1985.1	1994.8
2°	1938.8	1953.3	1965.8	1978.4	1994.8
3°	1876.9	1894.3	1933.9	1973.5	1998.7
4°	1786.0	1821.8	1889.5	1961.9	1998.7
5°	1696.2	1733.9	1833.4	1939.7	1991.9
6°	1593.7	1647.8	1768.7	1918.5	1995.8
7°	1477.7	1544.4	1697.1	1904.9	2007.4
8°	1352.1	1427.5	1618.8	1875.9	2012.2
9°	1212.9	1304.7	1535.7	1841.1	2014.1
10°	1079.6	1176.2	1444.9	1801.5	2016.1
11°	946.2	1046.7	1346.3	1762.9	2008.3
12°	833.1	928.8	1242.9	1722.3	1996.7
13°	728.7	821.5	1140.4	1673.9	1966.8
14°	632.1	722.9	1041.9	1617.9	1927.2
15°	543.2	630.1	945.2	1556.0	1881.7
16°	462.9	544.1	852.4	1487.4	1831.5
17°	405.0	469.7	765.4	1414.9	1782.2
18°	359.5	407.9	683.3	1343.4	1730.0
19°	318.9	357.6	606.9	1269.0	1672.0
20°	282.2	317.0	537.4	1191.7	1610.2
21°	251.3	281.2	472.6	1115.3	1547.3
22°	224.2	250.3	414.6	1039.9	1478.7
23°	199.1	222.3	365.3	963.6	1410.1
24°	174.9	200.1	321.8	886.3	1338.6
25°	151.7	176.9	284.1	811.8	1263.2
26°	133.4	156.6	252.3	739.4	1184.9
27°	115.0	139.2	224.2	669.8	1105.6
28°	100.5	122.7	199.1	603.1	1019.6
29°	87.0	108.2	175.9	537.4	931.7
30°	77.3	93.7	154.6	475.5	840.8
32.5°	53.2	62.8	108.2	334.4	613.7
35°	31.9	39.6	70.6	214.6	414.6
37.5°	17.4	21.3	40.6	128.5	260.9
40°	8.7	10.6	19.3	62.8	146.9
42.5°	3.9	4.8	8.7	24.2	62.8
45°	1.9	2.9	4.8	9.7	20.3
47.5°	1.0	1.9	1.9	3.9	5.8
50°	1.0	1.0	1.0	1.9	1.9
52.5°	1.0	1.0	1.0	1.9	1.9
55°	1.0	1.0	1.0	1.0	1.0
57.5°	0.0	1.0	1.0	1.0	1.0
60°	0.0	1.0	1.0	1.0	1.0
62.5°	0.0	1.0	1.0	1.0	1.0
65°	0.0	1.0	1.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.0	1.0	1.0	1.0
70°	0.0	1.0	1.0	1.0	1.0
72.5°	0.0	1.0	1.0	1.0	1.0
75°	0.0	1.0	1.0	1.0	1.0
77.5°	0.0	1.0	1.0	1.0	1.0
80°	0.0	0.0	1.0	1.0	1.0
82.5°	0.0	0.0	1.0	1.0	1.0
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)