

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: P1180089

Luminaire Tested: LDA2B209727R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180089
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: LDA2B209727R2060D010 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

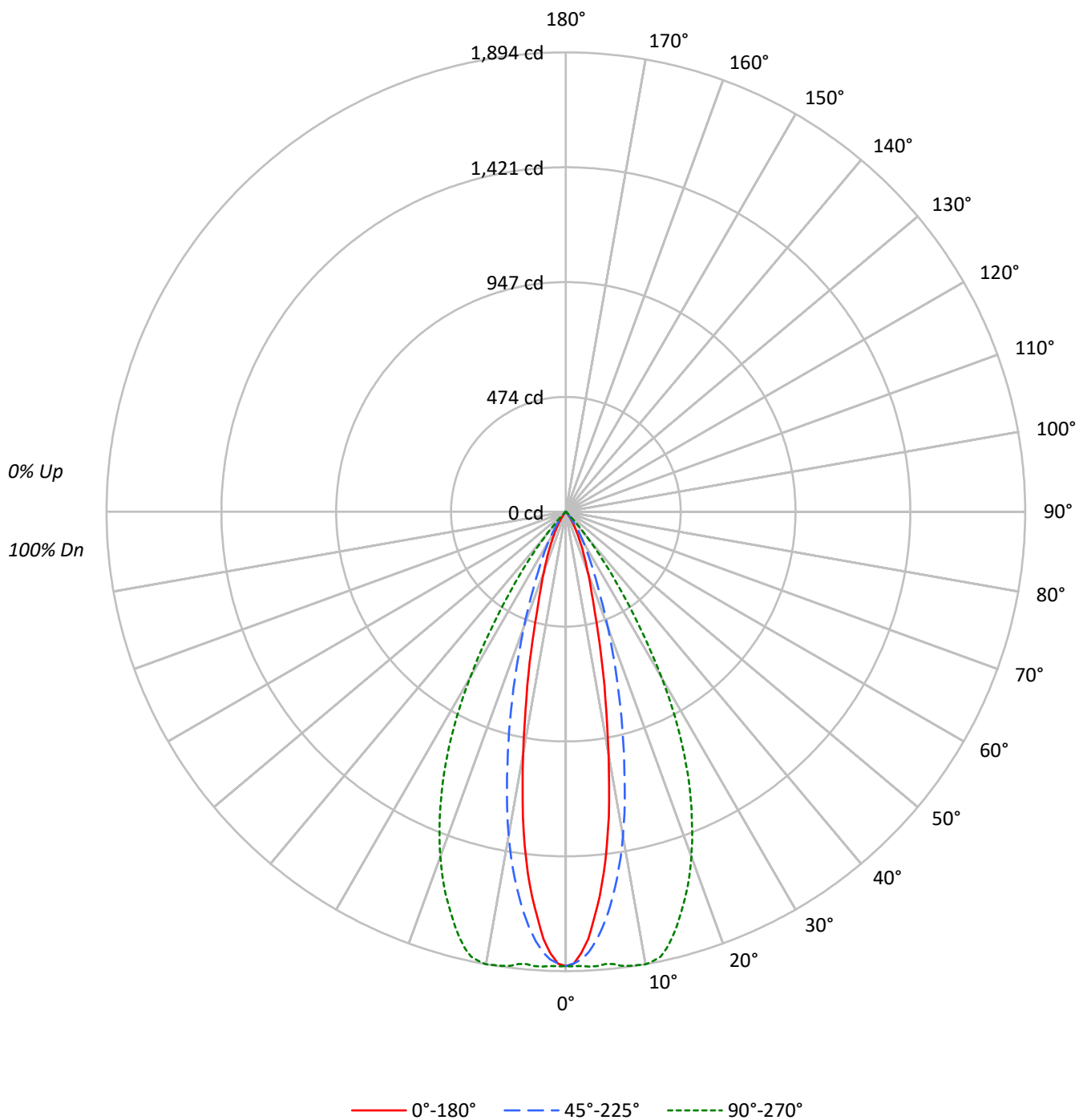
Lumens per Lamp: N/A
Luminaire Lumens: 746.2 lumens
Efficiency: N/A
Efficacy: 36.2 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	924264	924264	924264
5°	789274	853161	926903
10°	508137	680121	948993
15°	260644	453611	903085
20°	139237	265085	794310
25°	77626	145345	646106
30°	41359	82775	450051
35°	18069	39931	234650
40°	5281	11721	88877
45°	1256	3140	13326
50°	691	691	1382
55°	774	774	774
60°	0	888	888
65°	0	1051	1051
70°	0	1298	1298
75°	0	1716	1716
80°	0	2557	2557
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 13326 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.6	20.7
10°-20°	281.5	37.7
20°-30°	213.4	28.6
30°-40°	85.4	11.4
40°-50°	8.7	1.2
50°-60°	0.9	0.1
60°-70°	0.8	0.1
70°-80°	0.8	0.1
80°-90°	0.2	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°	649.5	87.0
0°-40°	734.8	98.5
0°-60°	744.4	99.8
0°-90°	746.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	746.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1873	1873	1873	1873	1873	
5°	1594	1629	1723	1822	1872	133
15°	510	592	888	1462	1768	146
25°	143	166	267	763	1187	68
35°	30	37	66	202	390	21
45°	2	3	4	9	19	2
55°	1	1	1	1	1	0
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°	1873.4	1873.4	1873.4	1873.4	1873.4
1°	1863.4	1864.3	1862.5	1865.2	1874.3
2°	1821.6	1835.3	1847.1	1858.9	1874.3
3°	1763.5	1779.9	1817.1	1854.3	1877.9
4°	1678.2	1711.8	1775.3	1843.4	1877.9
5°	1593.7	1629.1	1722.7	1822.5	1871.6
6°	1497.4	1548.3	1661.8	1802.6	1875.2
7°	1388.5	1451.1	1594.6	1789.9	1886.1
8°	1270.4	1341.3	1521.1	1762.6	1890.7
9°	1139.7	1225.9	1443.0	1729.9	1892.5
10°	1014.3	1105.2	1357.6	1692.7	1894.3
11°	889.0	983.5	1265.0	1656.4	1887.0
12°	782.8	872.7	1167.8	1618.2	1876.1
13°	684.7	771.9	1071.6	1572.8	1848.0
14°	593.9	679.3	978.9	1520.2	1810.7
15°	510.3	592.1	888.1	1462.0	1768.1
16°	435.0	511.3	800.9	1397.6	1720.8
17°	380.5	441.3	719.2	1329.5	1674.5
18°	337.8	383.2	642.0	1262.3	1625.5
19°	299.7	336.0	570.3	1192.3	1571.0
20°	265.2	297.9	504.9	1119.7	1512.9
21°	236.1	264.3	444.1	1047.9	1453.9
22°	210.7	235.2	389.6	977.1	1389.4
23°	187.1	208.9	343.3	905.4	1324.9
24°	164.4	188.0	302.4	832.7	1257.7
25°	142.6	166.2	267.0	762.8	1186.9
26°	125.3	147.1	237.0	694.7	1113.3
27°	108.1	130.8	210.7	629.3	1038.9
28°	94.4	115.3	187.1	566.7	958.0
29°	81.7	101.7	165.3	504.9	875.4
30°	72.6	88.1	145.3	446.8	790.0
32.5°	49.9	59.0	101.7	314.2	576.6
35°	30.0	37.2	66.3	201.6	389.6
37.5°	16.3	20.0	38.1	120.8	245.2
40°	8.2	10.0	18.2	59.0	138.0
42.5°	3.6	4.5	8.2	22.7	59.0
45°	1.8	2.7	4.5	9.1	19.1
47.5°	0.9	1.8	1.8	3.6	5.4
50°	0.9	0.9	0.9	1.8	1.8
52.5°	0.9	0.9	0.9	1.8	1.8
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.0	0.9	0.9	0.9	0.9
60°	0.0	0.9	0.9	0.9	0.9
62.5°	0.0	0.9	0.9	0.9	0.9
65°	0.0	0.9	0.9	0.9	0.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.9	0.9	0.9	0.9
70°	0.0	0.9	0.9	0.9	0.9
72.5°	0.0	0.9	0.9	0.9	0.9
75°	0.0	0.9	0.9	0.9	0.9
77.5°	0.0	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.9	0.9	0.9
82.5°	0.0	0.0	0.9	0.9	0.9
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)