

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: P1179846

Luminaire Tested: LDA2B209024R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179846
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: LDA2B209024R2060D010 2LBD1LI
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

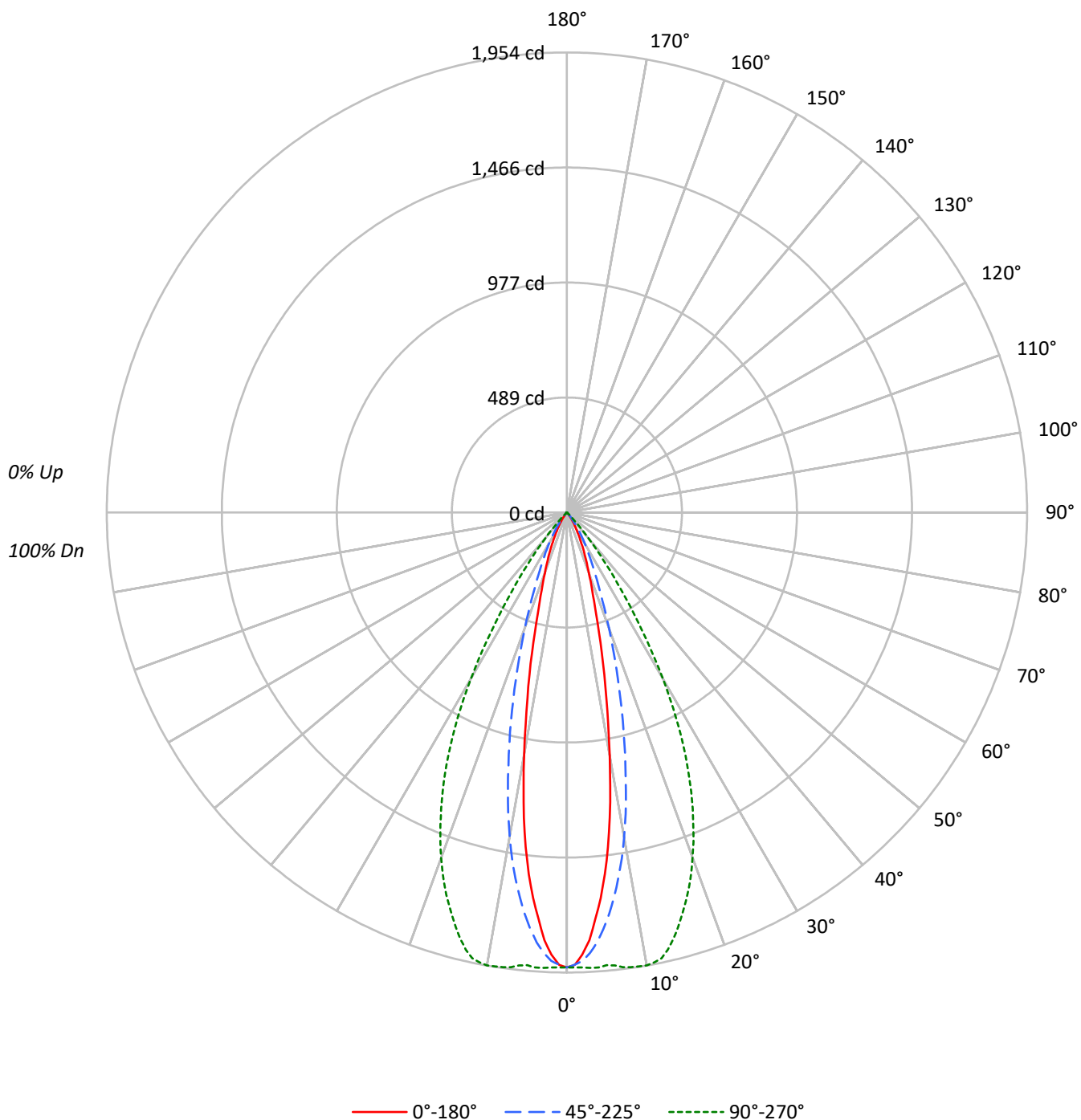
Lumens per Lamp: N/A
Luminaire Lumens: 769.6 lumens
Efficiency: N/A
Efficacy: 37.4 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	83	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°	953323	953323	953323
5°	814086	879954	956073
10°	524118	701512	978851
15°	268867	467912	931483
20°	143594	273433	819301
25°	80076	149918	666411
30°	42669	85396	464236
35°	18611	41196	241998
40°	5410	12044	91711
45°	1326	3279	13745
50°	691	691	1458
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: 13745 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	20.7
10°-20°	290.3	37.7
20°-30°	220.1	28.6
30°-40°	88.1	11.4
40°-50°	8.9	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°	669.9	87.0
0°-40°	757.9	98.5
0°-60°	767.8	99.8
0°-90°	769.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	769.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1932	1932	1932	1932	1932	
5°	1644	1680	1777	1880	1930	138
15°	526	611	916	1508	1824	151
25°	147	171	275	787	1224	70
35°	31	38	68	208	402	21
45°	2	3	5	9	20	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°	1932.3	1932.3	1932.3	1932.3	1932.3
1°	1922.0	1923.0	1921.1	1923.9	1933.3
2°	1878.9	1893.0	1905.2	1917.3	1933.3
3°	1819.0	1835.9	1874.3	1912.7	1937.0
4°	1730.9	1765.6	1831.2	1901.4	1937.0
5°	1643.8	1680.4	1776.8	1879.9	1930.5
6°	1544.6	1597.0	1714.1	1859.3	1934.2
7°	1432.2	1496.8	1644.8	1846.2	1945.4
8°	1310.4	1383.4	1568.9	1818.1	1950.1
9°	1175.5	1264.5	1488.4	1784.3	1952.0
10°	1046.2	1139.9	1400.3	1745.9	1953.9
11°	917.0	1014.4	1304.8	1708.5	1946.4
12°	807.4	900.1	1204.5	1669.1	1935.1
13°	706.2	796.2	1105.3	1622.3	1906.1
14°	612.6	700.6	1009.7	1568.0	1867.7
15°	526.4	610.7	916.1	1508.0	1823.7
16°	448.7	527.3	826.1	1441.5	1775.0
17°	392.5	455.2	741.8	1371.3	1727.2
18°	348.4	395.3	662.2	1302.0	1676.6
19°	309.1	346.6	588.2	1229.8	1620.4
20°	273.5	307.2	520.8	1154.9	1560.5
21°	243.5	272.6	458.0	1080.9	1499.6
22°	217.3	242.6	401.8	1007.8	1433.1
23°	193.0	215.4	354.1	933.9	1366.6
24°	169.5	193.9	311.9	858.9	1297.3
25°	147.1	171.4	275.4	786.8	1224.2
26°	129.3	151.7	244.5	716.5	1148.3
27°	111.5	134.9	217.3	649.1	1071.5
28°	97.4	119.0	193.0	584.5	988.2
29°	84.3	104.9	170.5	520.8	902.9
30°	74.9	90.9	149.9	460.8	814.9
32.5°	51.5	60.9	104.9	324.1	594.8
35°	30.9	38.4	68.4	207.9	401.8
37.5°	16.9	20.6	39.3	124.6	252.9
40°	8.4	10.3	18.7	60.9	142.4
42.5°	3.7	4.7	8.4	23.4	60.9
45°	1.9	2.8	4.7	9.4	19.7
47.5°	0.9	1.9	1.9	3.7	5.6
50°	0.9	0.9	0.9	1.9	1.9
52.5°	0.9	0.9	0.9	1.9	1.9
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)