

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: P1179924

Luminaire Tested: LDA2B209030R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179924
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: LDA2B209030R2060D010 2LBD1LI
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

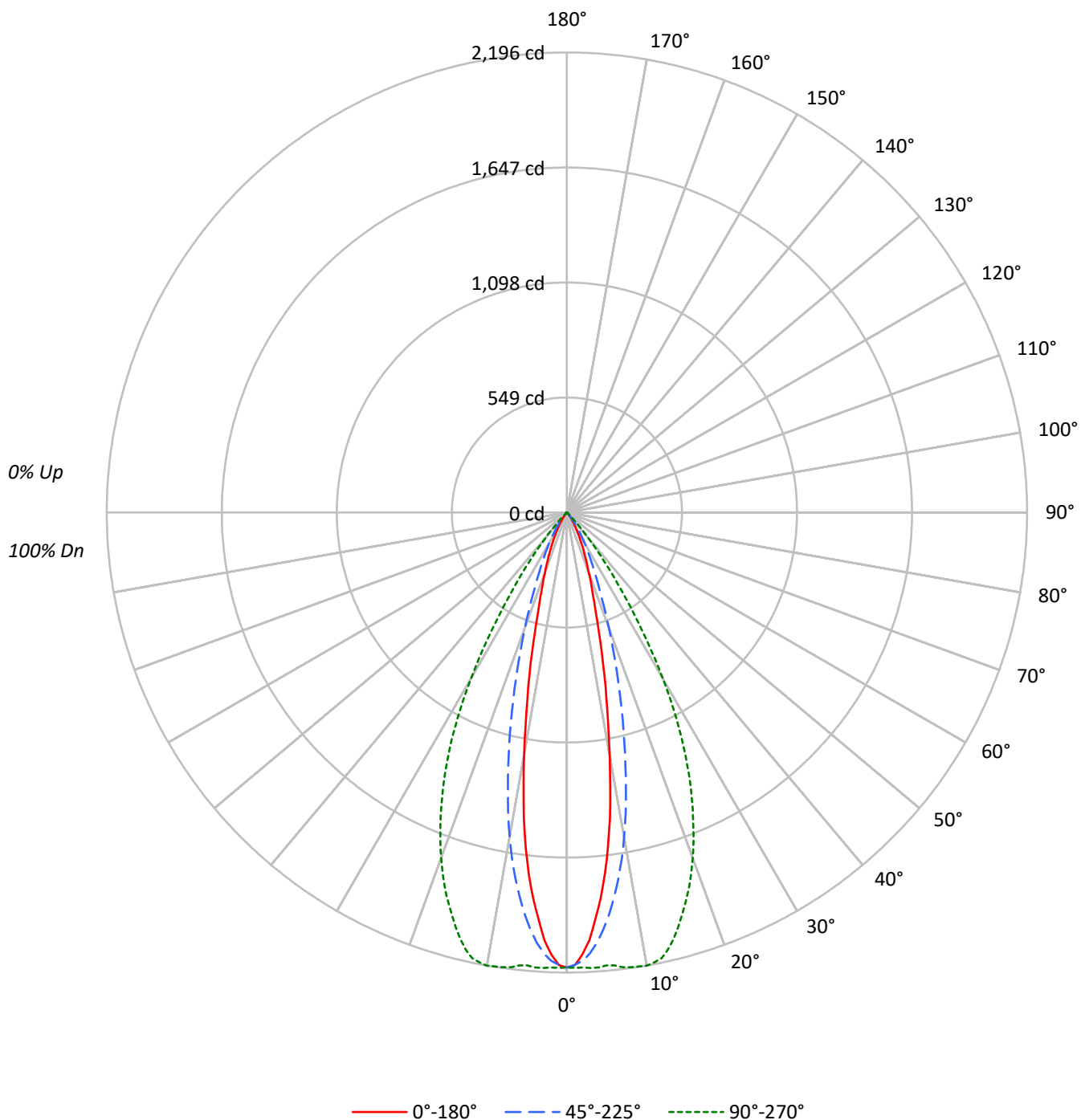
Lumens per Lamp: N/A
Luminaire Lumens: 865.4 lumens
Efficiency: N/A
Efficacy: 42.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1071680	1071680	1071680
5°	915166	989205	1074734
10°	589194	788581	1100336
15°	302271	525987	1047121
20°	161445	307349	920998
25°	89983	168535	749154
30°	47967	95992	521889
35°	20899	46316	272051
40°	6118	13589	103046
45°	1465	3698	15420
50°	844	844	1612
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: 15420 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.3	20.7
10°-20°	326.4	37.7
20°-30°	247.4	28.6
30°-40°	99.0	11.4
40°-50°	10.1	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°	753.1	87.0
0°-40°	852.0	98.5
0°-60°	863.2	99.7
0°-90°	865.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	865.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2172	2172	2172	2172	2172	
5°	1848	1889	1997	2113	2170	155
15°	592	686	1030	1695	2050	169
25°	165	193	310	884	1376	78
35°	35	43	77	234	452	24
45°	2	3	5	10	22	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°	2172.2	2172.2	2172.2	2172.2	2172.2
1°	2160.6	2161.7	2159.6	2162.7	2173.3
2°	2112.2	2128.0	2141.7	2155.4	2173.3
3°	2044.8	2063.8	2106.9	2150.1	2177.5
4°	1945.8	1984.8	2058.5	2137.5	2177.5
5°	1847.9	1889.0	1997.4	2113.3	2170.1
6°	1736.3	1795.3	1926.9	2090.1	2174.3
7°	1609.9	1682.6	1849.0	2075.3	2187.0
8°	1473.1	1555.2	1763.7	2043.8	2192.2
9°	1321.4	1421.5	1673.1	2005.9	2194.3
10°	1176.1	1281.4	1574.1	1962.7	2196.4
11°	1030.8	1140.3	1466.7	1920.6	2188.0
12°	907.6	1011.9	1354.1	1876.3	2175.4
13°	793.9	895.0	1242.5	1823.7	2142.7
14°	688.6	787.6	1135.1	1762.6	2099.6
15°	591.8	686.5	1029.8	1695.2	2050.1
16°	504.4	592.8	928.7	1620.5	1995.3
17°	441.2	511.7	833.9	1541.5	1941.6
18°	391.7	444.3	744.4	1463.6	1884.8
19°	347.5	389.6	661.2	1382.5	1821.6
20°	307.5	345.4	585.4	1298.3	1754.2
21°	273.8	306.4	514.9	1215.1	1685.8
22°	244.3	272.7	451.7	1133.0	1611.0
23°	216.9	242.2	398.0	1049.8	1536.2
24°	190.6	218.0	350.6	965.5	1458.3
25°	165.3	192.7	309.6	884.5	1376.2
26°	145.3	170.6	274.8	805.5	1290.9
27°	125.3	151.6	244.3	729.7	1204.6
28°	109.5	133.7	216.9	657.0	1110.9
29°	94.8	117.9	191.6	585.4	1015.0
30°	84.2	102.1	168.5	518.0	916.1
32.5°	57.9	68.4	117.9	364.3	668.6
35°	34.7	43.2	76.9	233.8	451.7
37.5°	19.0	23.2	44.2	140.0	284.3
40°	9.5	11.6	21.1	68.4	160.0
42.5°	4.2	5.3	9.5	26.3	68.4
45°	2.1	3.2	5.3	10.5	22.1
47.5°	1.1	2.1	2.1	4.2	6.3
50°	1.1	1.1	1.1	2.1	2.1
52.5°	1.1	1.1	1.1	2.1	2.1
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



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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)