

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: P1179921

Luminaire Tested: LDA2B209030R2060D010 2LBD1B

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179921
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 2LBD1B
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

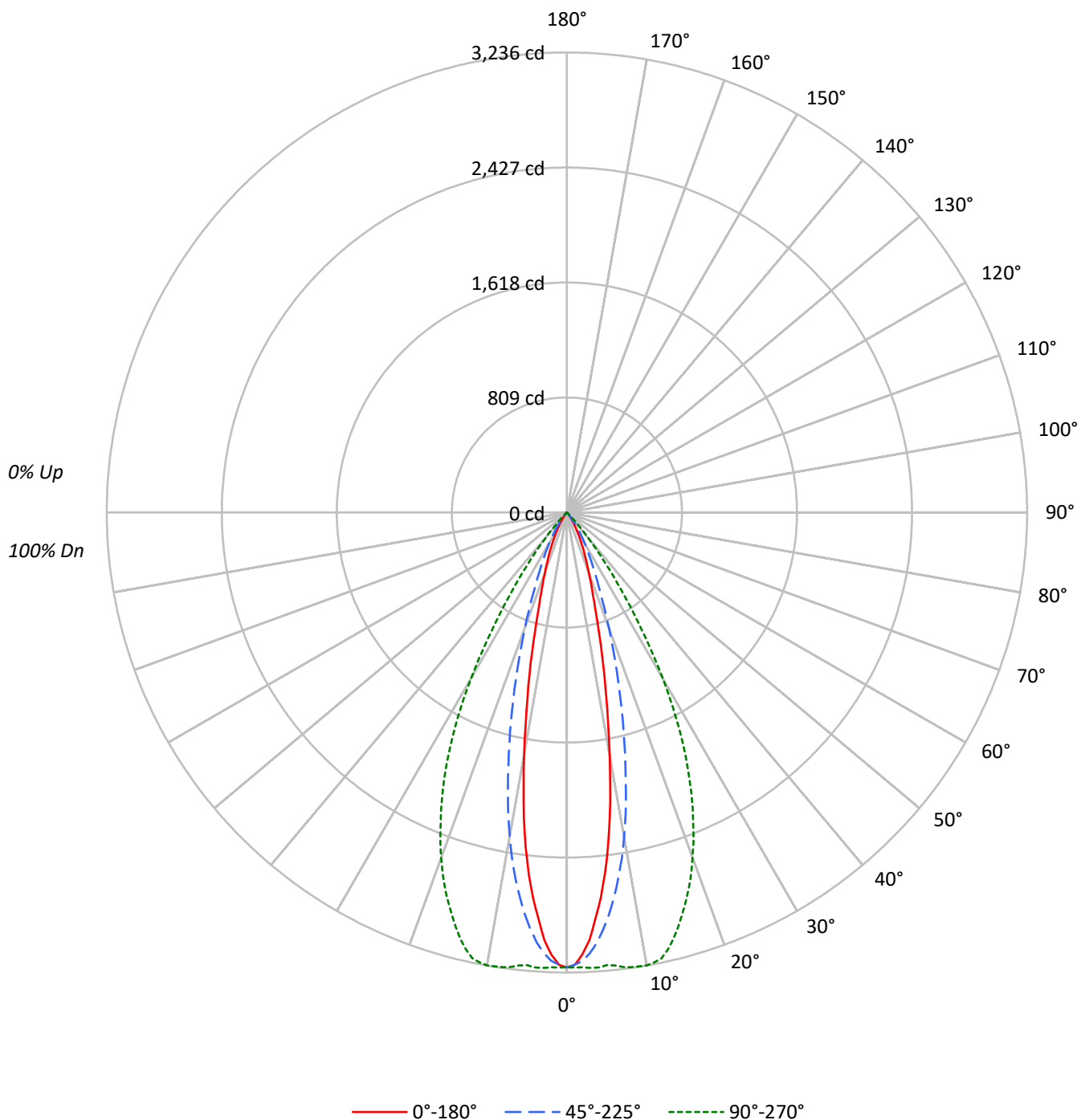
Lumens per Lamp: N/A
Luminaire Lumens: 1274.7 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	93	92	90
3	105	100	96	92	103	99	95	92	96	93	90		94	91	89		91	89	87	86
4	101	95	90	87	99	94	89	86	92	88	85		90	87	84		88	85	83	82
5	97	90	85	82	96	89	85	81	88	84	81		86	83	80		85	82	79	78
6	93	86	81	77	92	85	81	77	84	80	77		82	79	76		81	78	76	74
7	90	82	77	74	89	81	77	73	80	76	73		79	75	73		78	75	72	71
8	86	79	74	70	85	78	73	70	77	73	70		76	72	69		75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67		73	69	66		72	69	66	65
10	80	72	67	64	79	72	67	64	71	67	64		70	66	64		70	66	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1578708	1578708	1578708
5°	1348110	1457213	1583204
10°	867985	1161706	1620897
15°	445234	774832	1542461
20°	237784	452781	1356716
25°	132553	248230	1103590
30°	70698	141396	768733
35°	30837	68178	400759
40°	9017	19965	151864
45°	2163	5442	22746
50°	1228	1228	2379
55°	1376	1376	1376
60°	0	1579	1579
65°	0	1868	1868
70°	0	2308	2308
75°	0	3050	3050
80°	0	4546	4546
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 22746 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.1	20.7
10°-20°	480.8	37.7
20°-30°	364.5	28.6
30°-40°	145.8	11.4
40°-50°	14.8	1.2
50°-60°	1.5	0.1
60°-70°	1.4	0.1
70°-80°	1.4	0.1
80°-90°	0.4	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°	1109.3	87.0
0°-40°	1255.1	98.5
0°-60°	1271.5	99.7
0°-90°	1274.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1274.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3200	3200	3200	3200	3200	
5°	2722	2783	2942	3113	3197	228
15°	872	1011	1517	2497	3020	249
25°	244	284	456	1303	2027	115
35°	51	64	113	344	665	35
45°	3	5	8	16	33	4
55°	2	2	2	2	2	1
65°	0	2	2	2	2	0
75°	0	2	2	2	2	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3199.9	3199.9	3199.9	3199.9	3199.9
1°	3182.8	3184.4	3181.3	3185.9	3201.4
2°	3111.5	3134.7	3154.9	3175.1	3201.4
3°	3012.2	3040.1	3103.7	3167.3	3207.6
4°	2866.4	2923.8	3032.4	3148.7	3207.6
5°	2722.1	2782.6	2942.4	3113.0	3196.8
6°	2557.7	2644.6	2838.5	3078.9	3203.0
7°	2371.6	2478.6	2723.7	3057.2	3221.6
8°	2170.0	2290.9	2598.1	3010.6	3229.3
9°	1946.6	2094.0	2464.7	2954.8	3232.4
10°	1732.6	1887.7	2318.9	2891.2	3235.5
11°	1518.5	1679.8	2160.7	2829.2	3223.1
12°	1337.0	1490.6	1994.7	2764.0	3204.5
13°	1169.5	1318.4	1830.3	2686.5	3156.4
14°	1014.4	1160.2	1672.1	2596.5	3092.8
15°	871.7	1011.3	1517.0	2497.2	3019.9
16°	743.0	873.3	1368.1	2387.1	2939.3
17°	649.9	753.8	1228.5	2270.8	2860.2
18°	577.0	654.6	1096.6	2156.0	2776.4
19°	511.9	573.9	974.1	2036.6	2683.4
20°	452.9	508.8	862.4	1912.5	2584.1
21°	403.3	451.4	758.5	1789.9	2483.3
22°	359.8	401.7	665.4	1669.0	2373.1
23°	319.5	356.7	586.3	1546.4	2263.0
24°	280.7	321.1	516.5	1422.3	2148.2
25°	243.5	283.8	456.0	1302.9	2027.3
26°	214.0	251.3	404.8	1186.6	1901.6
27°	184.6	223.4	359.8	1074.9	1774.4
28°	161.3	197.0	319.5	967.9	1636.4
29°	139.6	173.7	282.3	862.4	1495.2
30°	124.1	150.5	248.2	763.1	1349.4
32.5°	85.3	100.8	173.7	536.7	984.9
35°	51.2	63.6	113.2	344.3	665.4
37.5°	27.9	34.1	65.1	206.3	418.8
40°	14.0	17.1	31.0	100.8	235.8
42.5°	6.2	7.8	14.0	38.8	100.8
45°	3.1	4.7	7.8	15.5	32.6
47.5°	1.6	3.1	3.1	6.2	9.3
50°	1.6	1.6	1.6	3.1	3.1
52.5°	1.6	1.6	1.6	3.1	3.1
55°	1.6	1.6	1.6	1.6	1.6
57.5°	0.0	1.6	1.6	1.6	1.6
60°	0.0	1.6	1.6	1.6	1.6
62.5°	0.0	1.6	1.6	1.6	1.6
65°	0.0	1.6	1.6	1.6	1.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.6	1.6	1.6	1.6
70°	0.0	1.6	1.6	1.6	1.6
72.5°	0.0	1.6	1.6	1.6	1.6
75°	0.0	1.6	1.6	1.6	1.6
77.5°	0.0	1.6	1.6	1.6	1.6
80°	0.0	0.0	1.6	1.6	1.6
82.5°	0.0	0.0	1.6	1.6	1.6
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)