

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: P1179918

Luminaire Tested: LDA2B209030R2050D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B209030R2050D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

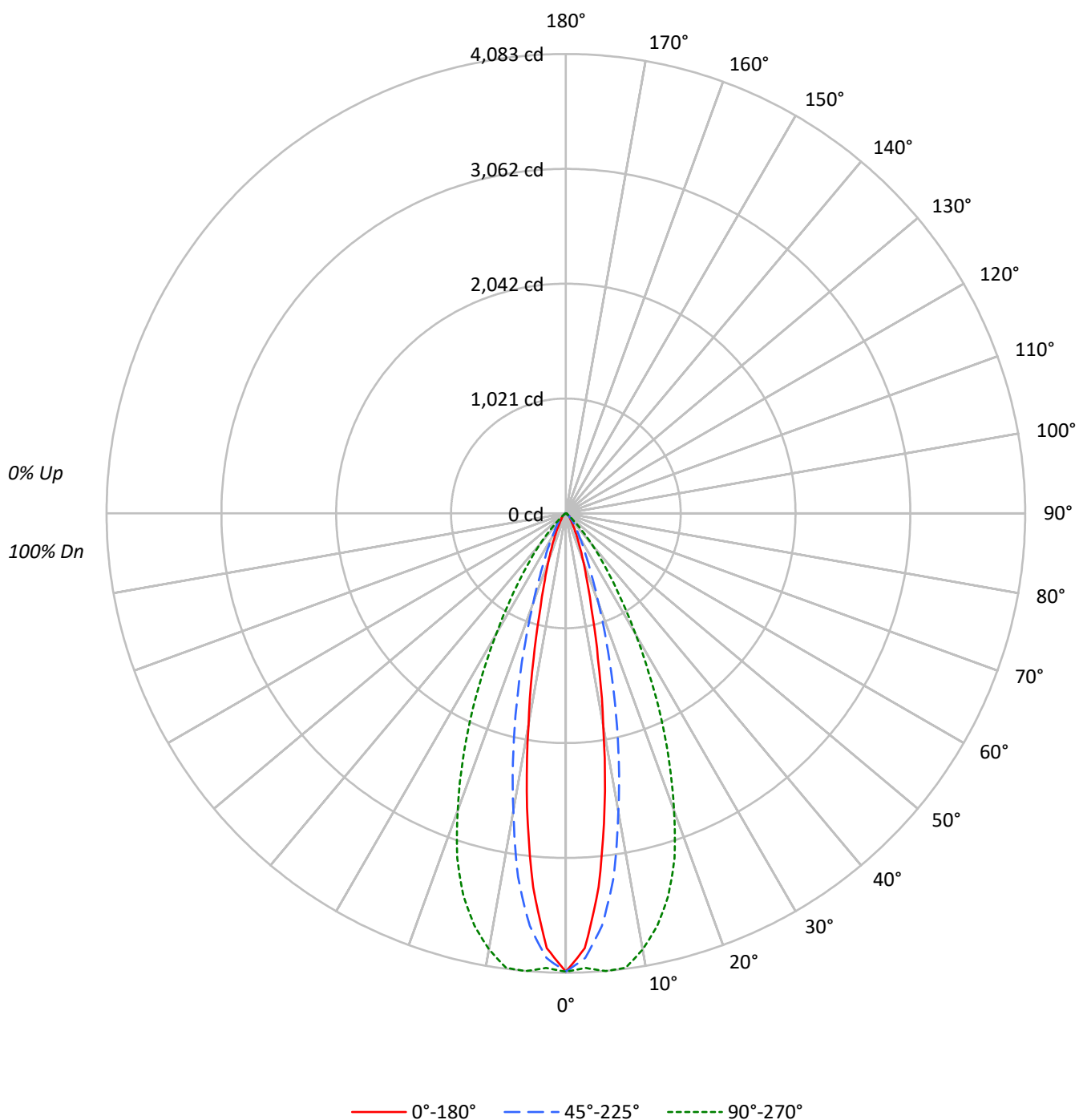
Lumens per Lamp: N/A
Luminaire Lumens: 1464.1 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1179918

CATALOG NUMBER: LDA2B209030R2050D010 2LBDC1MB

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2009413	2009413	2009413
5°	1652043	1822804	2022140
10°	958962	1346965	1971478
15°	446767	838882	1796618
20°	235421	442281	1476684
25°	130375	239466	1089164
30°	76452	140313	704416
35°	49086	94137	417382
40°	38256	63438	231918
45°	33211	37956	103123
50°	30011	26096	37839
55°	20472	19009	17547
60°	15097	13419	13419
65°	11907	9923	11907
70°	9809	9809	9809
75°	9722	9722	9722
80°	9660	9660	9660
85°	9623	9623	9623

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 103123 cd/sqm

TEST NUMBER: P1179918

CATALOG NUMBER: LDA2B209030R2050D010 2LBDC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.3	22.1
10°-20°	531.0	36.3
20°-30°	354.2	24.2
30°-40°	159.7	10.9
40°-50°	58.5	4.0
50°-60°	20.5	1.4
60°-70°	9.6	0.7
70°-80°	5.0	0.3
80°-90°	1.4	0.1
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°	1209.5	82.6
0°-40°	1369.2	93.5
0°-60°	1448.1	98.9
0°-90°	1464.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1464.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4073	4073	4073	4073	4073	
5°	3336	3439	3681	3949	4083	272
15°	875	1028	1642	2775	3518	262
25°	240	278	440	1199	2001	116
35°	82	92	156	338	693	54
45°	48	48	54	85	148	37
55°	24	22	22	19	20	22
65°	10	10	8	8	10	10
75°	5	5	5	5	5	5
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

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CATALOG NUMBER: LDA2B209030R2050D010 2LBDC1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4072.9	4072.9	4072.9	4072.9	4072.9
2.5°	3867.4	3908.2	3955.7	4005.0	4044.0
5°	3335.8	3439.4	3680.6	3948.9	4083.1
7.5°	2637.7	2790.6	3259.3	3789.3	4072.9
10°	1914.2	2109.5	2688.7	3512.4	3935.3
12.5°	1316.3	1499.7	2157.0	3162.5	3753.6
15°	874.7	1027.6	1642.4	2775.3	3517.5
17.5°	616.5	720.1	1194.0	2352.4	3213.5
20°	448.4	518.0	842.4	1937.9	2812.6
22.5°	326.1	378.8	599.6	1549.0	2406.7
25°	239.5	278.5	439.9	1199.1	2000.8
27.5°	178.3	208.9	329.5	910.4	1594.9
30°	134.2	159.7	246.3	670.9	1236.5
32.5°	103.6	120.6	188.5	479.0	935.9
35°	81.5	91.7	156.3	338.0	693.0
37.5°	67.9	74.7	129.1	236.1	507.8
40°	59.4	64.5	98.5	168.1	360.1
42.5°	52.7	56.0	71.3	120.6	234.4
45°	47.6	47.6	54.4	84.9	147.8
47.5°	44.2	39.1	42.5	59.4	86.6
50°	39.1	32.3	34.0	40.8	49.3
52.5°	30.6	27.2	27.2	27.2	28.9
55°	23.8	22.1	22.1	18.7	20.4
57.5°	18.7	18.7	17.0	15.3	17.0
60°	15.3	15.3	13.6	11.9	13.6
62.5°	11.9	11.9	10.2	10.2	11.9
65°	10.2	10.2	8.5	8.5	10.2
67.5°	8.5	8.5	8.5	6.8	8.5
70°	6.8	6.8	6.8	6.8	6.8
72.5°	5.1	5.1	6.8	5.1	5.1
75°	5.1	5.1	5.1	5.1	5.1
77.5°	3.4	3.4	3.4	3.4	3.4
80°	3.4	3.4	3.4	3.4	3.4
82.5°	1.7	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7
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)