

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: P1180035

Luminaire Tested: LDA2B209050R2050D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180035
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: LDA2B209050R2050D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

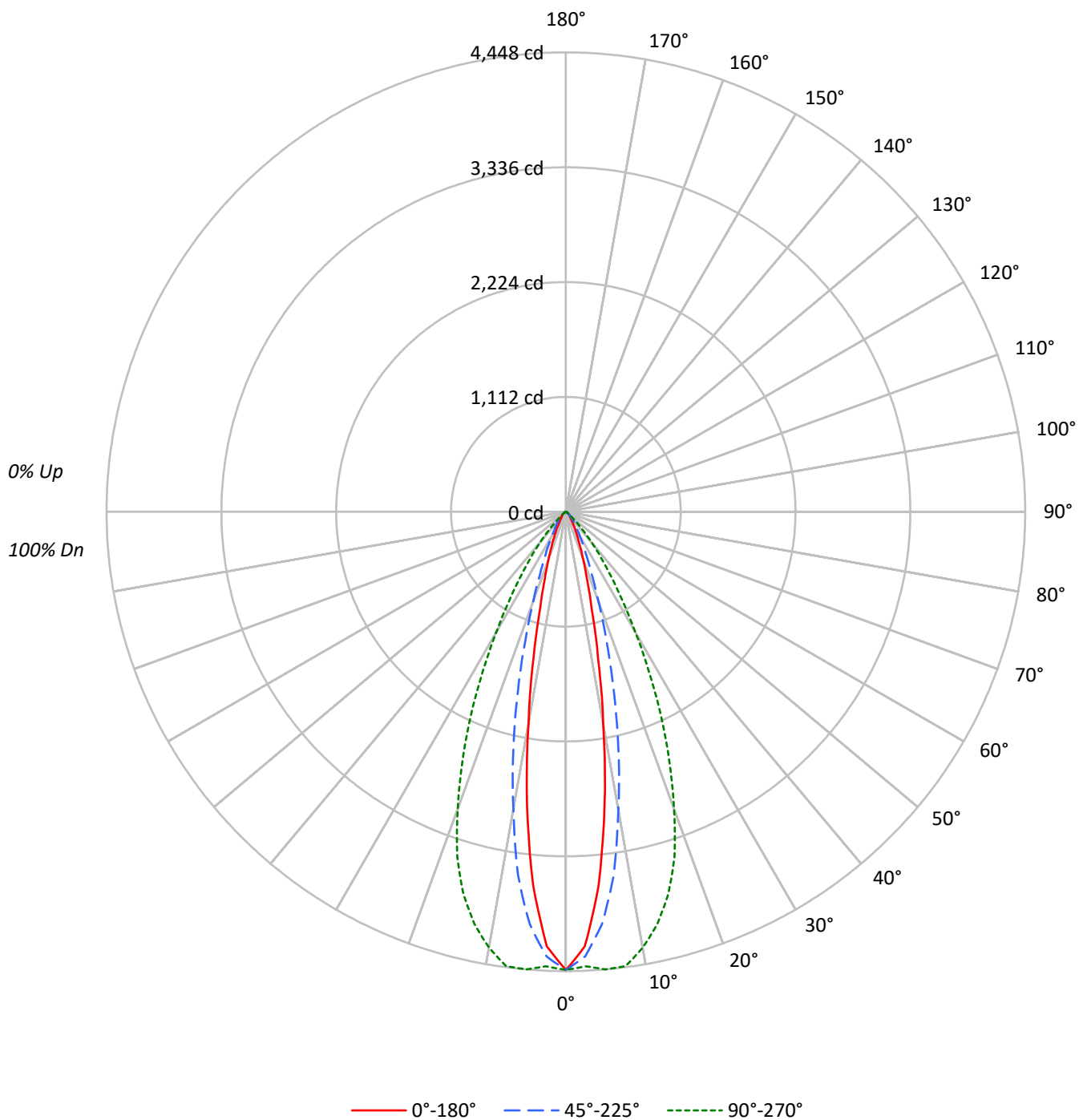
Lumens per Lamp: N/A
Luminaire Lumens: 1594.8 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1180035

CATALOG NUMBER: LDA2B209050R2050D010 2LBDC1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1180035

CATALOG NUMBER: LDA2B209050R2050D010 2LBDC1MB

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95		
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90		
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	90	88	86	85		
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80		
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76		
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73		
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	70		
8	85	77	72	69	84	77	72	69	76	71	68	75	71	68	74	70	68	67		
9	82	74	69	66	81	74	69	66	73	68	65	72	68	65	71	68	65	64		
10	79	71	66	63	79	71	66	63	70	66	63	69	65	62	69	65	62	61		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2188750	2188750	2188750
5°	1799478	1985443	2202608
10°	1044528	1467149	2147419
15°	486658	913760	1956948
20°	256422	481763	1608518
25°	142025	260859	1186334
30°	83288	152847	767252
35°	53483	102509	454604
40°	41734	69105	252592
45°	36142	41305	112333
50°	32697	28399	41217
55°	22278	20730	19095
60°	16478	14604	14604
65°	12958	10857	12958
70°	10674	10674	10674
75°	10675	10675	10675
80°	10512	10512	10512
85°	10755	10755	10755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 112333 cd/sqm

TEST NUMBER: P1180035

CATALOG NUMBER: LDA2B209050R2050D010 2LBDC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.2	22.1
10°-20°	578.4	36.3
20°-30°	385.8	24.2
30°-40°	173.9	10.9
40°-50°	63.7	4.0
50°-60°	22.3	1.4
60°-70°	10.5	0.7
70°-80°	5.5	0.3
80°-90°	1.5	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°	1317.4	82.6
0°-40°	1491.4	93.5
0°-60°	1577.3	98.9
0°-90°	1594.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1594.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4436	4436	4436	4436	4436	
5°	3634	3746	4009	4301	4448	297
15°	953	1119	1789	3023	3831	285
25°	261	303	479	1306	2179	126
35°	89	100	170	368	755	59
45°	52	52	59	92	161	41
55°	26	24	24	20	22	24
65°	11	11	9	9	11	11
75°	6	6	6	6	6	5
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1180035

CATALOG NUMBER: LDA2B209050R2050D010 2LBDC1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4436.4	4436.4	4436.4	4436.4	4436.4
2.5°	4212.5	4256.9	4308.7	4362.4	4404.9
5°	3633.5	3746.3	4009.0	4301.3	4447.5
7.5°	2873.1	3039.6	3550.2	4127.4	4436.4
10°	2085.0	2297.7	2928.6	3825.9	4286.5
12.5°	1433.8	1633.6	2349.5	3444.8	4088.6
15°	952.8	1119.3	1789.0	3023.0	3831.4
17.5°	671.6	784.4	1300.6	2562.3	3500.3
20°	488.4	564.3	917.6	2110.9	3063.7
22.5°	355.2	412.6	653.1	1687.2	2621.5
25°	260.9	303.4	479.2	1306.1	2179.3
27.5°	194.3	227.6	358.9	991.6	1737.2
30°	146.2	173.9	268.3	730.8	1346.8
32.5°	112.9	131.4	205.4	521.7	1019.4
35°	88.8	99.9	170.2	368.2	754.8
37.5°	74.0	81.4	140.6	257.2	553.2
40°	64.8	70.3	107.3	183.2	392.2
42.5°	57.4	61.1	77.7	131.4	255.3
45°	51.8	51.8	59.2	92.5	161.0
47.5°	48.1	42.6	46.3	64.8	94.4
50°	42.6	35.2	37.0	44.4	53.7
52.5°	33.3	29.6	29.6	29.6	31.5
55°	25.9	24.1	24.1	20.4	22.2
57.5°	20.4	20.4	18.5	16.7	18.5
60°	16.7	16.7	14.8	13.0	14.8
62.5°	13.0	13.0	11.1	11.1	13.0
65°	11.1	11.1	9.3	9.3	11.1
67.5°	9.3	9.3	9.3	7.4	9.3
70°	7.4	7.4	7.4	7.4	7.4
72.5°	5.6	5.6	7.4	5.6	5.6
75°	5.6	5.6	5.6	5.6	5.6
77.5°	3.7	3.7	3.7	3.7	3.7
80°	3.7	3.7	3.7	3.7	3.7
82.5°	1.9	1.9	1.9	1.9	1.9
85°	1.9	1.9	1.9	1.9	1.9
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)