

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: P1180074

Luminaire Tested: LDA2B209727R2050D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180074
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: LDA2B209727R2050D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

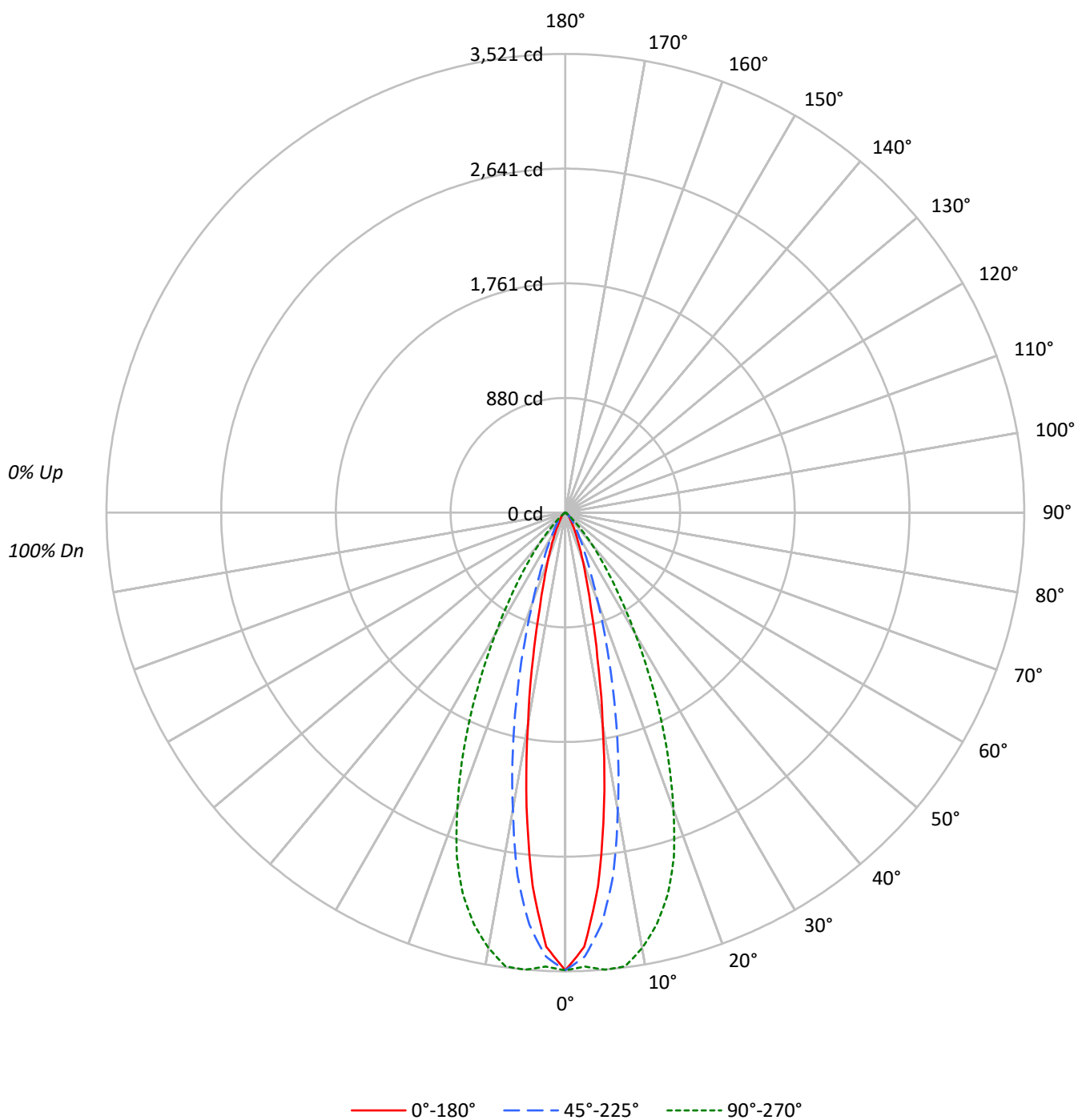
Lumens per Lamp: N/A
Luminaire Lumens: 1262.7 lumens
Efficiency: N/A
Efficacy: 61.3 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1180074

CATALOG NUMBER: LDA2B209727R2050D010 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°	1732983	1732983	1732983
5°	1424774	1572011	1743960
10°	827006	1161655	1700301
15°	385322	723500	1549459
20°	203027	381430	1273552
25°	112411	206532	939301
30°	65913	121001	607512
35°	42341	81188	359925
40°	33039	54743	199974
45°	28606	32723	88889
50°	25866	22489	32620
55°	17633	16343	15139
60°	13025	11545	11545
65°	10273	8522	10273
70°	8511	8511	8511
75°	8387	8387	8387
80°	8239	8239	8239
85°	8491	8491	8491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 88889 cd/sqm

TEST NUMBER: P1180074

CATALOG NUMBER: LDA2B209727R2050D010 2LBDC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.7	22.2
10°-20°	457.9	36.3
20°-30°	305.5	24.2
30°-40°	137.7	10.9
40°-50°	50.4	4.0
50°-60°	17.6	1.4
60°-70°	8.3	0.7
70°-80°	4.3	0.3
80°-90°	1.2	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°	1043.1	82.6
0°-40°	1180.8	93.5
0°-60°	1248.8	98.9
0°-90°	1262.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1262.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3513	3513	3513	3513	3513	
5°	2877	2966	3174	3406	3521	235
15°	754	886	1416	2394	3034	226
25°	206	240	379	1034	1726	100
35°	70	79	135	292	598	47
45°	41	41	47	73	127	32
55°	20	19	19	16	18	19
65°	9	9	7	7	9	9
75°	4	4	4	4	4	4
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

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CATALOG NUMBER: LDA2B209727R2050D010 2LBDC1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3512.6	3512.6	3512.6	3512.6	3512.6
2.5°	3335.4	3370.5	3411.5	3454.0	3487.7
5°	2876.9	2966.2	3174.2	3405.7	3521.4
7.5°	2274.9	2406.7	2811.0	3268.0	3512.6
10°	1650.8	1819.3	2318.8	3029.2	3394.0
12.5°	1135.2	1293.4	1860.3	2727.5	3237.2
15°	754.4	886.2	1416.5	2393.5	3033.6
17.5°	531.7	621.1	1029.8	2028.8	2771.4
20°	386.7	446.8	726.5	1671.4	2425.7
22.5°	281.2	326.7	517.1	1335.9	2075.6
25°	206.5	240.2	379.4	1034.2	1725.5
27.5°	153.8	180.2	284.2	785.1	1375.5
30°	115.7	137.7	212.4	578.6	1066.4
32.5°	89.4	104.0	162.6	413.1	807.1
35°	70.3	79.1	134.8	291.5	597.6
37.5°	58.6	64.5	111.3	203.6	438.0
40°	51.3	55.7	85.0	145.0	310.5
42.5°	45.4	48.3	61.5	104.0	202.1
45°	41.0	41.0	46.9	73.2	127.4
47.5°	38.1	33.7	36.6	51.3	74.7
50°	33.7	27.8	29.3	35.2	42.5
52.5°	26.4	23.4	23.4	23.4	24.9
55°	20.5	19.0	19.0	16.1	17.6
57.5°	16.1	16.1	14.6	13.2	14.6
60°	13.2	13.2	11.7	10.3	11.7
62.5°	10.3	10.3	8.8	8.8	10.3
65°	8.8	8.8	7.3	7.3	8.8
67.5°	7.3	7.3	7.3	5.9	7.3
70°	5.9	5.9	5.9	5.9	5.9
72.5°	4.4	4.4	5.9	4.4	4.4
75°	4.4	4.4	4.4	4.4	4.4
77.5°	2.9	2.9	2.9	2.9	2.9
80°	2.9	2.9	2.9	2.9	2.9
82.5°	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	1.5	1.5
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)