

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: P1179879

Luminaire Tested: LDA2B209027R2050D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179879
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: LDA2B209027R2050D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

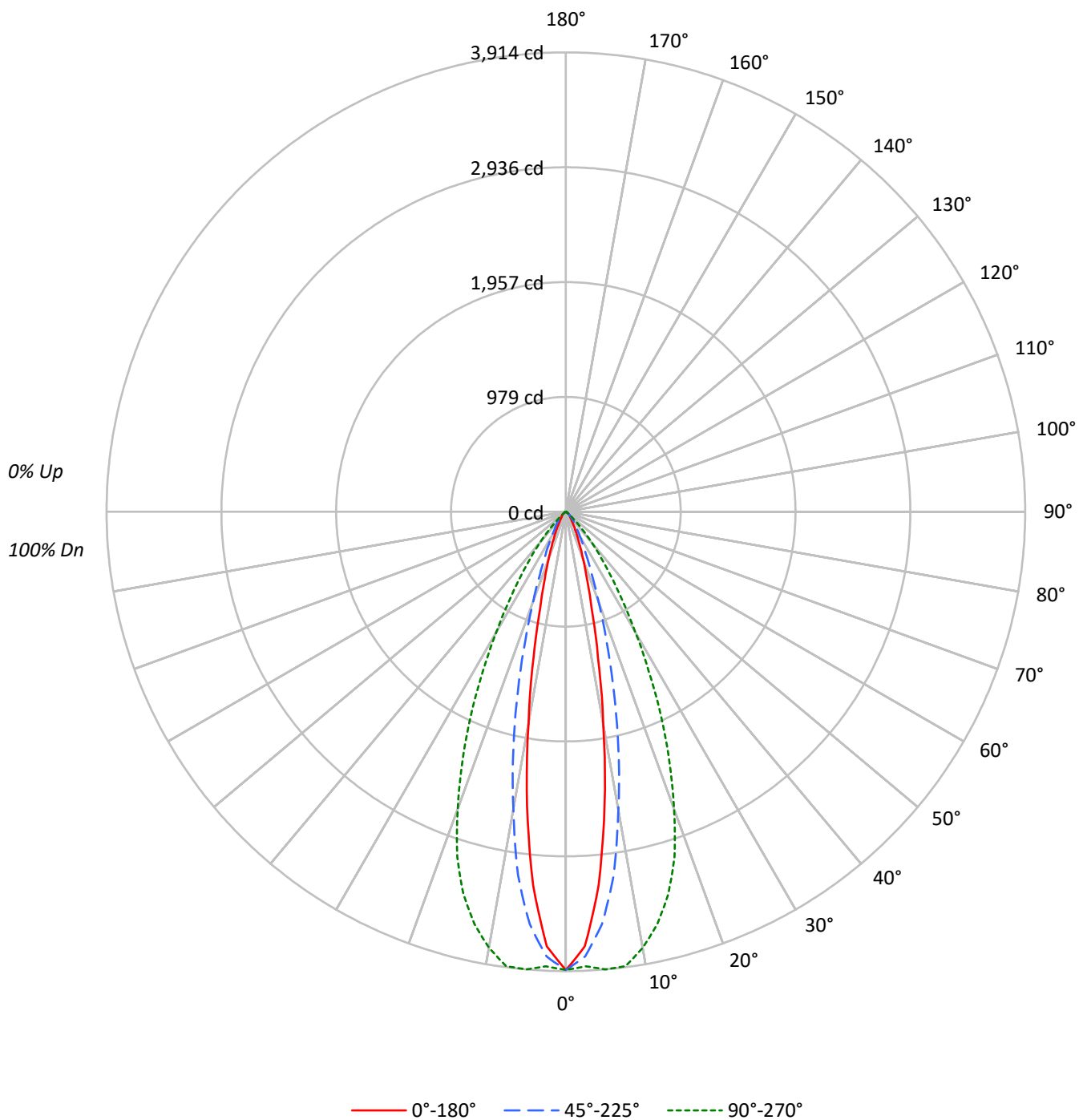
Lumens per Lamp: N/A
Luminaire Lumens: 1403.3 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

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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
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°	1926035	1926035	1926035
5°	1583451	1747130	1938196
10°	919135	1291057	1889669
15°	428226	804098	1722047
20°	225656	423957	1415414
25°	124932	229504	1043982
30°	73262	134503	675191
35°	47038	90222	400037
40°	36710	60797	222258
45°	31816	36351	98797
50°	28706	25022	36228
55°	19611	18235	16773
60°	14505	12827	12827
65°	11440	9456	11440
70°	9376	9376	9376
75°	9340	9340	9340
80°	9376	9376	9376
85°	9057	9057	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 98797 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.8	22.2
10°-20°	509.0	36.3
20°-30°	339.5	24.2
30°-40°	153.1	10.9
40°-50°	56.0	4.0
50°-60°	19.6	1.4
60°-70°	9.2	0.7
70°-80°	4.9	0.3
80°-90°	1.3	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°	1159.3	82.6
0°-40°	1312.3	93.5
0°-60°	1388.0	98.9
0°-90°	1403.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1403.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3904	3904	3904	3904	3904	
5°	3197	3297	3528	3785	3914	261
15°	838	985	1574	2660	3372	251
25°	230	267	422	1149	1918	111
35°	78	88	150	324	664	52
45°	46	46	52	81	142	36
55°	23	21	21	18	20	21
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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3903.9	3903.9	3903.9	3903.9	3903.9
2.5°	3706.9	3746.0	3791.6	3838.8	3876.2
5°	3197.3	3296.6	3527.8	3785.0	3913.6
7.5°	2528.2	2674.8	3124.1	3632.0	3903.9
10°	1834.7	2021.9	2577.1	3366.6	3772.0
12.5°	1261.7	1437.5	2067.5	3031.3	3597.8
15°	838.4	984.9	1574.3	2660.1	3371.5
17.5°	591.0	690.3	1144.5	2254.7	3080.1
20°	429.8	496.5	807.5	1857.5	2695.9
22.5°	312.6	363.0	574.7	1484.7	2306.8
25°	229.5	267.0	421.6	1149.3	1917.8
27.5°	170.9	200.2	315.8	872.6	1528.7
30°	128.6	153.0	236.1	643.0	1185.2
32.5°	99.3	115.6	180.7	459.1	897.0
35°	78.1	87.9	149.8	324.0	664.2
37.5°	65.1	71.6	123.7	226.3	486.8
40°	57.0	61.9	94.4	161.2	345.1
42.5°	50.5	53.7	68.4	115.6	224.7
45°	45.6	45.6	52.1	81.4	141.6
47.5°	42.3	37.4	40.7	57.0	83.0
50°	37.4	30.9	32.6	39.1	47.2
52.5°	29.3	26.0	26.0	26.0	27.7
55°	22.8	21.2	21.2	17.9	19.5
57.5°	17.9	17.9	16.3	14.7	16.3
60°	14.7	14.7	13.0	11.4	13.0
62.5°	11.4	11.4	9.8	9.8	11.4
65°	9.8	9.8	8.1	8.1	9.8
67.5°	8.1	8.1	8.1	6.5	8.1
70°	6.5	6.5	6.5	6.5	6.5
72.5°	4.9	4.9	6.5	4.9	4.9
75°	4.9	4.9	4.9	4.9	4.9
77.5°	3.3	3.3	3.3	3.3	3.3
80°	3.3	3.3	3.3	3.3	3.3
82.5°	1.6	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	1.6	1.6
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)