

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: P1179878

Luminaire Tested: LDA2B209027R2050D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179878
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 2LBD1WMH
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

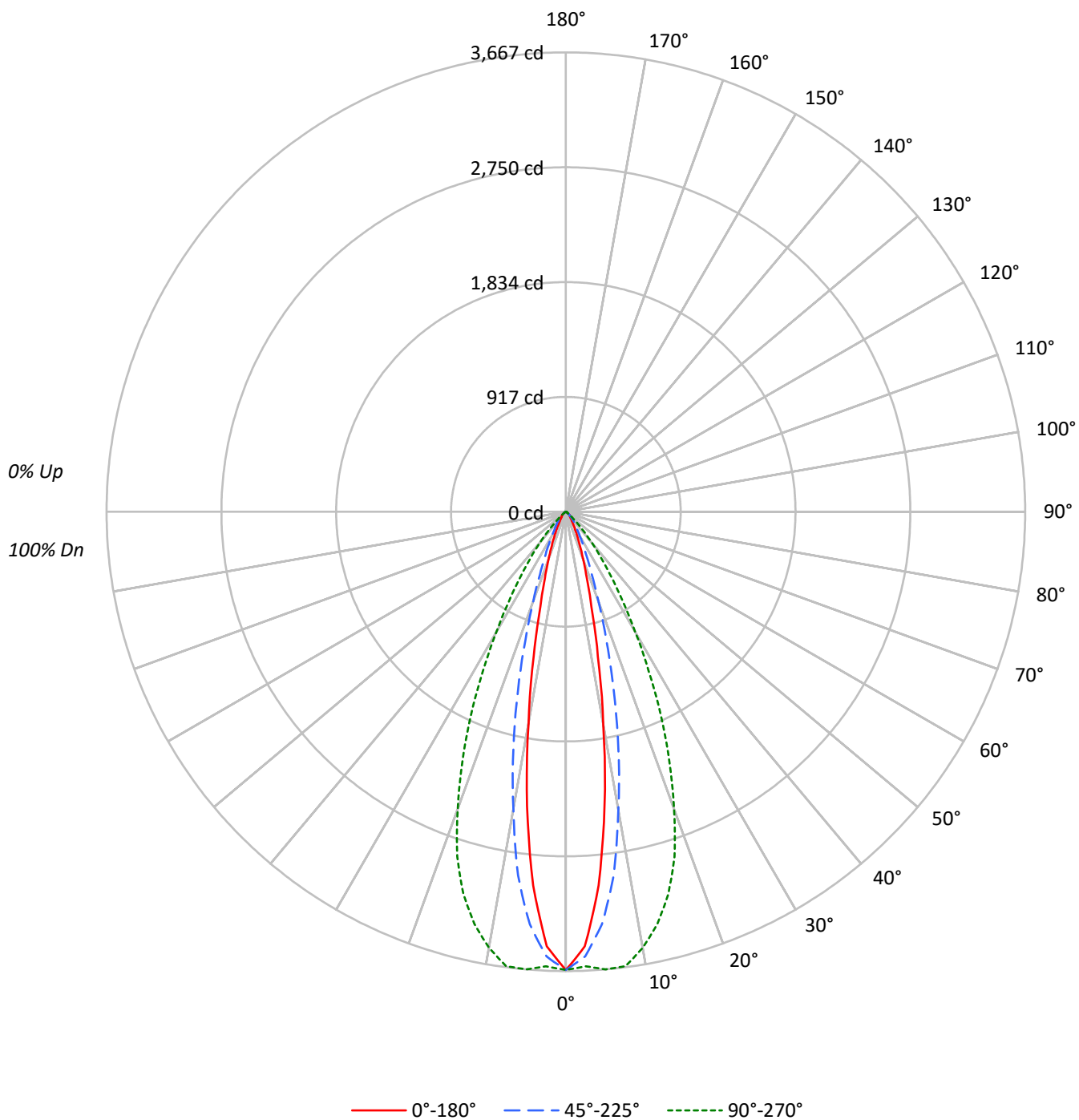
Lumens per Lamp: N/A
Luminaire Lumens: 1314.8 lumens
Efficiency: N/A
Efficacy: 63.8 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1179878

CATALOG NUMBER: LDA2B209027R2050D010 2LBD1WMH

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°	1804471	1804471	1804471
5°	1483510	1636839	1815870
10°	861122	1209548	1770387
15°	401206	753328	1613356
20°	211427	397181	1326055
25°	117093	215024	978060
30°	68647	126014	632578
35°	44087	84500	374801
40°	34392	56997	208218
45°	29793	34049	92587
50°	26940	23410	33925
55°	18407	17031	15741
60°	13518	12038	12038
65°	10740	8872	10740
70°	8799	8799	8799
75°	8769	8769	8769
80°	8808	8808	8808
85°	8491	8491	8491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 92587 cd/sqm

TEST NUMBER: P1179878

CATALOG NUMBER: LDA2B209027R2050D010 2LBD1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.2	22.1
10°-20°	476.8	36.3
20°-30°	318.1	24.2
30°-40°	143.4	10.9
40°-50°	52.5	4.0
50°-60°	18.4	1.4
60°-70°	8.6	0.7
70°-80°	4.6	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°	1086.1	82.6
0°-40°	1229.5	93.5
0°-60°	1300.4	98.9
0°-90°	1314.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1314.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3658	3658	3658	3658	3658	
5°	2996	3088	3305	3546	3667	245
15°	786	923	1475	2492	3159	235
25°	215	250	395	1077	1797	104
35°	73	82	140	304	622	49
45°	43	43	49	76	133	33
55°	21	20	20	17	18	20
65°	9	9	8	8	9	9
75°	5	5	5	5	5	4
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

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CATALOG NUMBER: LDA2B209027R2050D010 2LBD1WMH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3657.5	3657.5	3657.5	3657.5	3657.5
2.5°	3472.9	3509.5	3552.2	3596.4	3631.5
5°	2995.5	3088.5	3305.1	3546.1	3666.6
7.5°	2368.6	2505.9	2926.9	3402.7	3657.5
10°	1718.9	1894.3	2414.4	3154.1	3533.9
12.5°	1182.0	1346.8	1937.0	2839.9	3370.7
15°	785.5	922.8	1474.9	2492.2	3158.7
17.5°	553.7	646.7	1072.2	2112.4	2885.7
20°	402.7	465.2	756.5	1740.3	2525.7
22.5°	292.8	340.1	538.4	1391.0	2161.2
25°	215.1	250.1	395.0	1076.8	1796.7
27.5°	160.1	187.6	295.9	817.5	1432.2
30°	120.5	143.4	221.2	602.5	1110.4
32.5°	93.0	108.3	169.3	430.1	840.4
35°	73.2	82.4	140.3	303.5	622.3
37.5°	61.0	67.1	115.9	212.0	456.0
40°	53.4	58.0	88.5	151.0	323.3
42.5°	47.3	50.3	64.1	108.3	210.5
45°	42.7	42.7	48.8	76.3	132.7
47.5°	39.7	35.1	38.1	53.4	77.8
50°	35.1	29.0	30.5	36.6	44.2
52.5°	27.5	24.4	24.4	24.4	25.9
55°	21.4	19.8	19.8	16.8	18.3
57.5°	16.8	16.8	15.3	13.7	15.3
60°	13.7	13.7	12.2	10.7	12.2
62.5°	10.7	10.7	9.2	9.2	10.7
65°	9.2	9.2	7.6	7.6	9.2
67.5°	7.6	7.6	7.6	6.1	7.6
70°	6.1	6.1	6.1	6.1	6.1
72.5°	4.6	4.6	6.1	4.6	4.6
75°	4.6	4.6	4.6	4.6	4.6
77.5°	3.1	3.1	3.1	3.1	3.1
80°	3.1	3.1	3.1	3.1	3.1
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)