

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: P1179815

Luminaire Tested: LDA2B208050R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-034-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B208050R2060D010 2LBDC1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

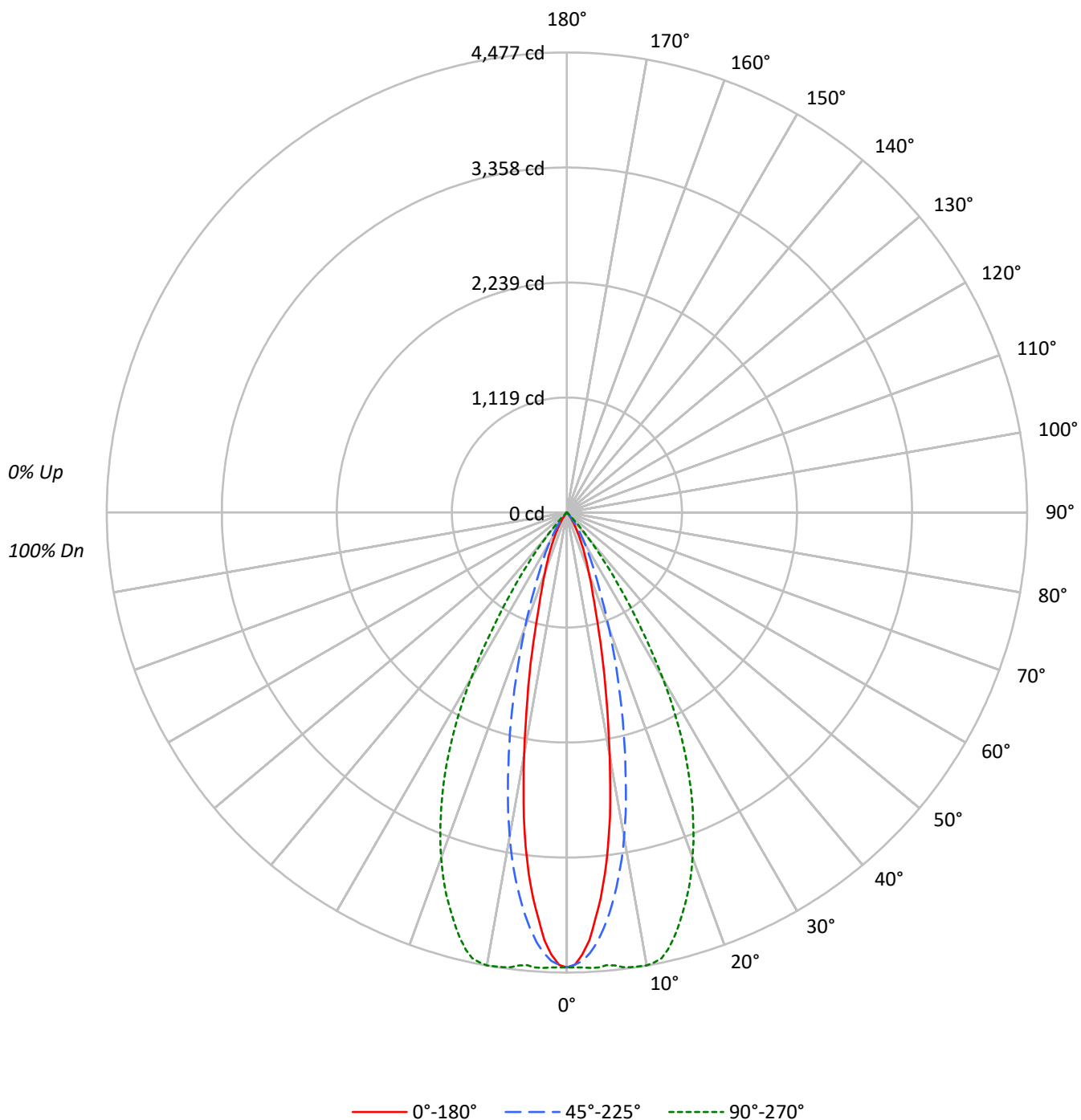
Lumens per Lamp: N/A
Luminaire Lumens: 1763.4 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1179815

CATALOG NUMBER: LDA2B208050R2060D010 2LBDC1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1179815

CATALOG NUMBER: LDA2B208050R2060D010 2LBDC1MMS

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	92	92	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	91	89	87	87	87	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	83	83	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	79	79	78
6	93	86	81	77	92	85	81	77	84	80	77	83	79	76	81	78	76	76	76	74
7	90	82	77	74	89	81	77	73	80	76	73	79	75	73	78	75	72	72	72	71
8	86	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	69	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	66	66	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2184310	2184310	2184310
5°	1865296	2016247	2190524
10°	1200932	1607321	2242755
15°	616035	1072046	2134235
20°	329033	626459	1877173
25°	183396	343494	1526942
30°	97815	195630	1063659
35°	42642	94378	554522
40°	12430	27629	210085
45°	3000	7466	31467
50°	1612	1612	3300
55°	1806	1806	1806
60°	0	2072	2072
65°	0	2452	2452
70°	0	3029	3029
75°	0	4003	4003
80°	0	5966	5966
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 31467 cd/sqm

TEST NUMBER: P1179815

CATALOG NUMBER: LDA2B208050R2060D010 2LBDC1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.4	20.7
10°-20°	665.2	37.7
20°-30°	504.3	28.6
30°-40°	201.7	11.4
40°-50°	20.5	1.2
50°-60°	2.1	0.1
60°-70°	1.8	0.1
70°-80°	1.9	0.1
80°-90°	0.5	0.0
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°	1534.9	87.0
0°-40°	1736.6	98.5
0°-60°	1759.2	99.8
0°-90°	1763.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1763.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4427	4427	4427	4427	4427	
5°	3766	3850	4071	4307	4423	315
15°	1206	1399	2099	3455	4178	345
25°	337	393	631	1803	2805	160
35°	71	88	157	476	921	49
45°	4	6	11	22	45	5
55°	2	2	2	2	2	1
65°	0	2	2	2	2	0
75°	0	2	2	2	2	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1179815

CATALOG NUMBER: LDA2B208050R2060D010 2LBDC1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4427.4	4427.4	4427.4	4427.4	4427.4
1°	4403.8	4405.9	4401.7	4408.1	4429.6
2°	4305.1	4337.3	4365.2	4393.1	4429.6
3°	4167.7	4206.4	4294.3	4382.3	4438.1
4°	3966.0	4045.4	4195.6	4356.6	4438.1
5°	3766.4	3850.1	4071.2	4307.2	4423.1
6°	3538.9	3659.1	3927.4	4260.0	4431.7
7°	3281.4	3429.5	3768.6	4230.0	4457.5
8°	3002.4	3169.8	3594.7	4165.6	4468.2
9°	2693.4	2897.2	3410.2	4088.3	4472.5
10°	2397.2	2611.8	3208.4	4000.3	4476.8
11°	2101.0	2324.2	2989.5	3914.5	4459.6
12°	1849.9	2062.4	2759.9	3824.4	4433.8
13°	1618.2	1824.2	2532.4	3717.0	4367.3
14°	1403.5	1605.3	2313.5	3592.6	4279.3
15°	1206.1	1399.3	2098.9	3455.2	4178.5
16°	1028.0	1208.3	1892.9	3302.8	4066.9
17°	899.2	1043.0	1699.7	3141.9	3957.4
18°	798.3	905.7	1517.3	2983.1	3841.5
19°	708.2	794.1	1347.8	2817.8	3712.8
20°	626.7	703.9	1193.2	2646.1	3575.4
21°	558.0	624.5	1049.4	2476.6	3435.9
22°	497.9	555.8	920.7	2309.2	3283.5
23°	442.1	493.6	811.2	2139.7	3131.2
24°	388.4	444.2	714.7	1968.0	2972.3
25°	336.9	392.7	631.0	1802.7	2805.0
26°	296.2	347.7	560.1	1641.8	2631.1
27°	255.4	309.0	497.9	1487.2	2455.1
28°	223.2	272.6	442.1	1339.2	2264.1
29°	193.1	240.4	390.6	1193.2	2068.8
30°	171.7	208.2	343.4	1055.9	1867.1
32.5°	118.0	139.5	240.4	742.6	1362.8
35°	70.8	88.0	156.7	476.4	920.7
37.5°	38.6	47.2	90.1	285.4	579.4
40°	19.3	23.6	42.9	139.5	326.2
42.5°	8.6	10.7	19.3	53.7	139.5
45°	4.3	6.4	10.7	21.5	45.1
47.5°	2.1	4.3	4.3	8.6	12.9
50°	2.1	2.1	2.1	4.3	4.3
52.5°	2.1	2.1	2.1	4.3	4.3
55°	2.1	2.1	2.1	2.1	2.1
57.5°	0.0	2.1	2.1	2.1	2.1
60°	0.0	2.1	2.1	2.1	2.1
62.5°	0.0	2.1	2.1	2.1	2.1
65°	0.0	2.1	2.1	2.1	2.1



TEST NUMBER: P1179815

CATALOG NUMBER: LDA2B208050R2060D010 2LBDC1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	2.1	2.1	2.1	2.1
70°	0.0	2.1	2.1	2.1	2.1
72.5°	0.0	2.1	2.1	2.1	2.1
75°	0.0	2.1	2.1	2.1	2.1
77.5°	0.0	2.1	2.1	2.1	2.1
80°	0.0	0.0	2.1	2.1	2.1
82.5°	0.0	0.0	2.1	2.1	2.1
85°	0.0	0.0	0.0	0.0	0.0
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)