

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: P1179770

Luminaire Tested: LDA2B208040R2060D010 2LBD1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179770
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: LDA2B208040R2060D010 2LBD1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

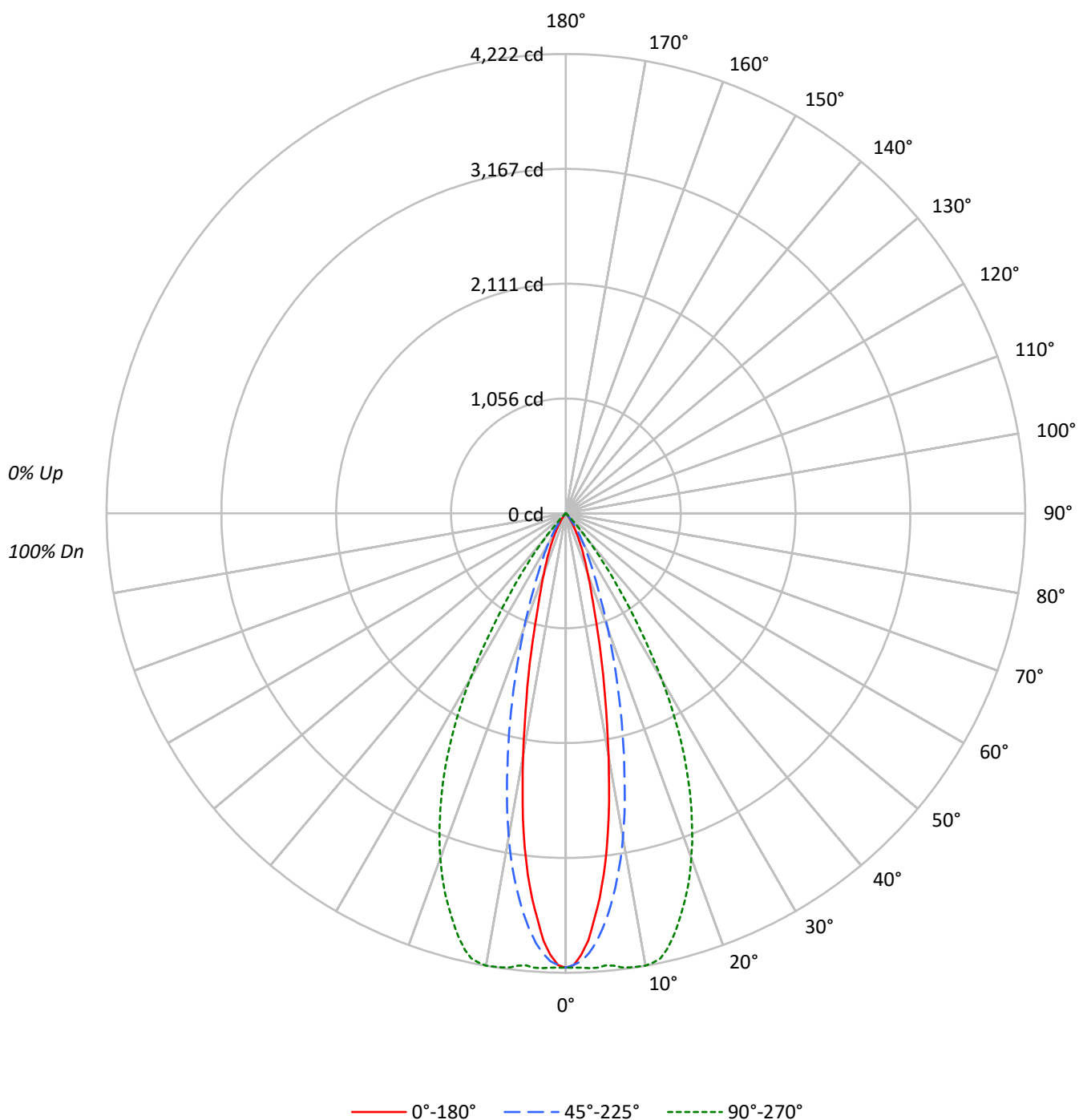
Lumens per Lamp: N/A
Luminaire Lumens: 1662.9 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

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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	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	82	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°	2059835	2059835	2059835
5°	1759016	1901350	2065722
10°	1132499	1515743	2114956
15°	580945	1010959	2012621
20°	310290	590758	1770226
25°	172945	323897	1439899
30°	92232	184464	1003045
35°	40233	88957	522903
40°	11721	26084	198106
45°	2791	7047	29653
50°	1535	1535	3070
55°	1720	1720	1720
60°	0	1973	1973
65°	0	2335	2335
70°	0	2885	2885
75°	0	3812	3812
80°	0	5682	5682
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 29653 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.6	20.7
10°-20°	627.3	37.7
20°-30°	475.5	28.6
30°-40°	190.2	11.4
40°-50°	19.3	1.2
50°-60°	2.0	0.1
60°-70°	1.7	0.1
70°-80°	1.8	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°	1447.4	87.0
0°-40°	1637.7	98.5
0°-60°	1658.9	99.8
0°-90°	1662.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1662.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4175	4175	4175	4175	4175	
5°	3552	3631	3839	4062	4171	297
15°	1137	1320	1979	3258	3940	326
25°	318	370	595	1700	2645	151
35°	67	83	148	449	868	46
45°	4	6	10	20	42	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4175.1	4175.1	4175.1	4175.1	4175.1
1°	4152.9	4154.9	4150.9	4156.9	4177.2
2°	4059.8	4090.1	4116.5	4142.8	4177.2
3°	3930.3	3966.7	4049.7	4132.6	4185.3
4°	3740.0	3814.9	3956.6	4108.4	4185.3
5°	3551.8	3630.7	3839.2	4061.8	4171.1
6°	3337.3	3450.6	3703.6	4017.3	4179.2
7°	3094.4	3234.1	3553.8	3989.0	4203.5
8°	2831.3	2989.2	3389.9	3928.2	4213.6
9°	2539.9	2732.2	3215.9	3855.4	4217.6
10°	2260.6	2463.0	3025.6	3772.4	4221.7
11°	1981.3	2191.8	2819.2	3691.5	4205.5
12°	1744.5	1944.9	2602.6	3606.5	4181.2
13°	1526.0	1720.3	2388.1	3505.3	4118.5
14°	1323.6	1513.8	2181.7	3387.9	4035.5
15°	1137.4	1319.5	1979.3	3258.4	3940.4
16°	969.4	1139.4	1785.0	3114.7	3835.1
17°	848.0	983.6	1602.9	2962.9	3731.9
18°	752.9	854.1	1430.8	2813.1	3622.6
19°	667.9	748.8	1271.0	2657.3	3501.2
20°	591.0	663.8	1125.2	2495.4	3371.7
21°	526.2	588.9	989.6	2335.5	3240.1
22°	469.5	524.2	868.2	2177.6	3096.5
23°	416.9	465.5	765.0	2017.8	2952.8
24°	366.3	418.9	673.9	1855.8	2803.0
25°	317.7	370.4	595.0	1700.0	2645.1
26°	279.3	327.9	528.2	1548.2	2481.2
27°	240.8	291.4	469.5	1402.5	2315.3
28°	210.5	257.0	416.9	1262.9	2135.1
29°	182.1	226.7	368.3	1125.2	1951.0
30°	161.9	196.3	323.8	995.7	1760.7
32.5°	111.3	131.5	226.7	700.2	1285.1
35°	66.8	83.0	147.7	449.3	868.2
37.5°	36.4	44.5	85.0	269.2	546.4
40°	18.2	22.3	40.5	131.5	307.6
42.5°	8.1	10.1	18.2	50.6	131.5
45°	4.0	6.1	10.1	20.2	42.5
47.5°	2.0	4.0	4.0	8.1	12.1
50°	2.0	2.0	2.0	4.0	4.0
52.5°	2.0	2.0	2.0	4.0	4.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	0.0	2.0	2.0	2.0	2.0
60°	0.0	2.0	2.0	2.0	2.0
62.5°	0.0	2.0	2.0	2.0	2.0
65°	0.0	2.0	2.0	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	2.0	2.0	2.0	2.0
70°	0.0	2.0	2.0	2.0	2.0
72.5°	0.0	2.0	2.0	2.0	2.0
75°	0.0	2.0	2.0	2.0	2.0
77.5°	0.0	2.0	2.0	2.0	2.0
80°	0.0	0.0	2.0	2.0	2.0
82.5°	0.0	0.0	2.0	2.0	2.0
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)