

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: P1178801

Luminaire Tested: LDA2B108050R2060D010 2LBD1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178801
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: LDA2B108050R2060D010 2LBD1MMS
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

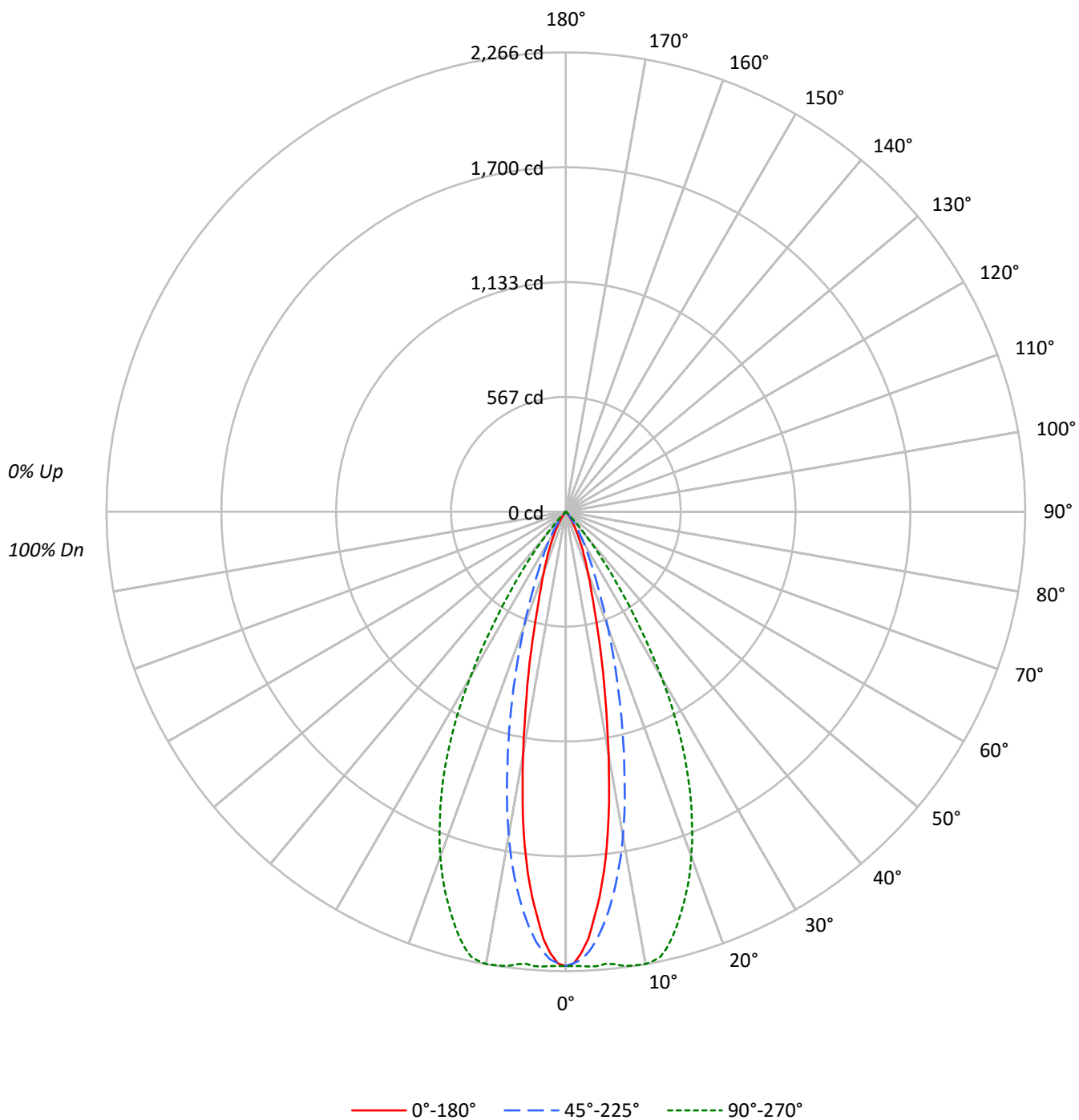
Lumens per Lamp: N/A
Luminaire Lumens: 892.6 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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°	1105476	1105476	1105476
5°	944039	1020406	1108658
10°	607780	813479	1135054
15°	311771	542586	1080116
20°	166538	317062	950032
25°	92814	173816	772780
30°	49506	99011	538352
35°	21562	47761	280664
40°	6312	13976	106331
45°	1535	3768	15908
50°	844	844	1689
55°	946	946	946
60°	0	1085	1085
65°	0	1284	1284
70°	0	1587	1587
75°	0	2097	2097
80°	0	3125	3125
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 15908 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.9	20.7
10°-20°	336.7	37.7
20°-30°	255.2	28.6
30°-40°	102.1	11.4
40°-50°	10.4	1.2
50°-60°	1.1	0.1
60°-70°	1.0	0.1
70°-80°	1.0	0.1
80°-90°	0.3	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°	776.8	87.0
0°-40°	878.9	98.5
0°-60°	890.4	99.8
0°-90°	892.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	892.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2241	2241	2241	2241	2241	
5°	1906	1949	2060	2180	2239	160
15°	610	708	1062	1749	2115	175
25°	170	199	319	912	1420	81
35°	36	44	79	241	466	25
45°	2	3	5	11	23	2
55°	1	1	1	1	1	1
65°	0	1	1	1	1	0
75°	0	1	1	1	1	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°	2240.7	2240.7	2240.7	2240.7	2240.7
1°	2228.8	2229.9	2227.7	2231.0	2241.8
2°	2178.8	2195.1	2209.2	2223.4	2241.8
3°	2109.3	2128.9	2173.4	2217.9	2246.2
4°	2007.2	2047.4	2123.4	2204.9	2246.2
5°	1906.2	1948.6	2060.4	2179.9	2238.6
6°	1791.1	1851.9	1987.7	2156.0	2242.9
7°	1660.7	1735.7	1907.3	2140.8	2255.9
8°	1519.5	1604.3	1819.3	2108.2	2261.4
9°	1363.1	1466.3	1725.9	2069.1	2263.5
10°	1213.2	1321.9	1623.8	2024.6	2265.7
11°	1063.3	1176.3	1513.0	1981.1	2257.0
12°	936.3	1043.8	1396.8	1935.5	2244.0
13°	819.0	923.2	1281.7	1881.2	2210.3
14°	710.3	812.4	1170.9	1818.2	2165.8
15°	610.4	708.2	1062.3	1748.7	2114.7
16°	520.3	611.5	958.0	1671.6	2058.3
17°	455.1	527.9	860.2	1590.1	2002.9
18°	404.1	458.4	767.9	1509.8	1944.2
19°	358.4	401.9	682.1	1426.1	1879.1
20°	317.2	356.3	603.9	1339.2	1809.5
21°	282.4	316.1	531.1	1253.4	1738.9
22°	252.0	281.3	466.0	1168.7	1661.8
23°	223.7	249.8	410.6	1082.9	1584.7
24°	196.6	224.8	361.7	996.0	1504.3
25°	170.5	198.8	319.3	912.4	1419.6
26°	149.9	176.0	283.5	830.9	1331.6
27°	129.3	156.4	252.0	752.7	1242.6
28°	113.0	137.9	223.7	677.8	1145.9
29°	97.8	121.6	197.7	603.9	1047.1
30°	86.9	105.4	173.8	534.4	945.0
32.5°	59.7	70.6	121.6	375.8	689.7
35°	35.8	44.5	79.3	241.1	466.0
37.5°	19.6	23.9	45.6	144.5	293.3
40°	9.8	11.9	21.7	70.6	165.1
42.5°	4.3	5.4	9.8	27.2	70.6
45°	2.2	3.3	5.4	10.9	22.8
47.5°	1.1	2.2	2.2	4.3	6.5
50°	1.1	1.1	1.1	2.2	2.2
52.5°	1.1	1.1	1.1	2.2	2.2
55°	1.1	1.1	1.1	1.1	1.1
57.5°	0.0	1.1	1.1	1.1	1.1
60°	0.0	1.1	1.1	1.1	1.1
62.5°	0.0	1.1	1.1	1.1	1.1
65°	0.0	1.1	1.1	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.1	1.1	1.1	1.1
70°	0.0	1.1	1.1	1.1	1.1
72.5°	0.0	1.1	1.1	1.1	1.1
75°	0.0	1.1	1.1	1.1	1.1
77.5°	0.0	1.1	1.1	1.1	1.1
80°	0.0	0.0	1.1	1.1	1.1
82.5°	0.0	0.0	1.1	1.1	1.1
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)