

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: P1178692

Luminaire Tested: LDA2B108030R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178692
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: LDA2B108030R2060D010 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

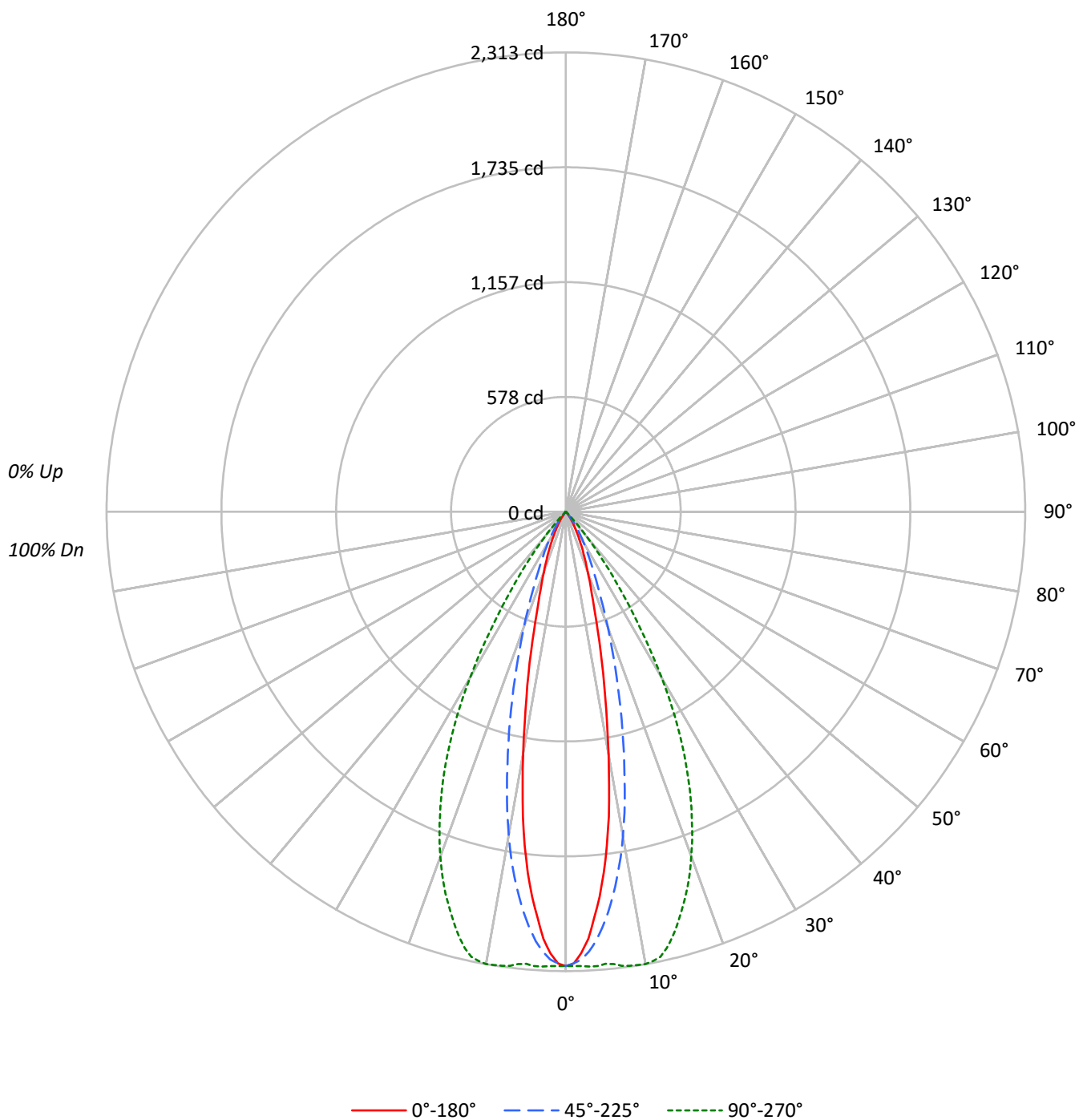
Lumens per Lamp: N/A
Luminaire Lumens: 911.1 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1128516	1128516	1128516
5°	963700	1041701	1131737
10°	620455	830412	1158700
15°	318258	553874	1102641
20°	170003	323678	969826
25°	94774	177463	788893
30°	50531	101062	549518
35°	22044	48725	286506
40°	6440	14298	108520
45°	1535	3837	16257
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: 16257 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.8	20.7
10°-20°	343.7	37.7
20°-30°	260.5	28.6
30°-40°	104.2	11.4
40°-50°	10.6	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°	793.0	87.0
0°-40°	897.2	98.5
0°-60°	908.9	99.8
0°-90°	911.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	911.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2287	2287	2287	2287	2287	
5°	1946	1989	2103	2225	2285	163
15°	623	723	1084	1785	2159	178
25°	174	203	326	931	1449	82
35°	37	46	81	246	476	25
45°	2	3	6	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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2287.4	2287.4	2287.4	2287.4	2287.4
1°	2275.2	2276.3	2274.1	2277.5	2288.5
2°	2224.2	2240.9	2255.3	2269.7	2288.5
3°	2153.3	2173.2	2218.7	2264.1	2293.0
4°	2049.0	2090.1	2167.7	2250.8	2293.0
5°	1945.9	1989.2	2103.4	2225.3	2285.2
6°	1828.4	1890.5	2029.1	2200.9	2289.7
7°	1695.3	1771.8	1947.0	2185.4	2303.0
8°	1551.2	1637.7	1857.2	2152.2	2308.5
9°	1391.5	1496.9	1761.9	2112.2	2310.7
10°	1238.5	1349.4	1657.6	2066.8	2312.9
11°	1085.5	1200.8	1544.5	2022.4	2304.1
12°	955.8	1065.5	1425.9	1975.9	2290.8
13°	836.0	942.5	1308.4	1920.4	2256.4
14°	725.1	829.4	1195.3	1856.1	2210.9
15°	623.1	722.9	1084.4	1785.2	2158.8
16°	531.1	624.2	978.0	1706.4	2101.2
17°	464.6	538.9	878.2	1623.3	2044.6
18°	412.5	467.9	783.9	1541.2	1984.7
19°	365.9	410.3	696.3	1455.8	1918.2
20°	323.8	363.7	616.5	1367.1	1847.2
21°	288.3	322.7	542.2	1279.5	1775.2
22°	257.2	287.2	475.7	1193.1	1696.4
23°	228.4	255.0	419.1	1105.5	1617.7
24°	200.7	229.5	369.2	1016.8	1535.7
25°	174.1	202.9	326.0	931.4	1449.2
26°	153.0	179.6	289.4	848.2	1359.4
27°	131.9	159.7	257.2	768.4	1268.5
28°	115.3	140.8	228.4	691.9	1169.8
29°	99.8	124.2	201.8	616.5	1068.9
30°	88.7	107.6	177.4	545.5	964.6
32.5°	61.0	72.1	124.2	383.6	704.1
35°	36.6	45.5	80.9	246.2	475.7
37.5°	20.0	24.4	46.6	147.5	299.4
40°	10.0	12.2	22.2	72.1	168.5
42.5°	4.4	5.5	10.0	27.7	72.1
45°	2.2	3.3	5.5	11.1	23.3
47.5°	1.1	2.2	2.2	4.4	6.7
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)