

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: P1179080

Luminaire Tested: LDA2B109727R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179080
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: LDA2B109727R2060D010 2LBDC1MMS
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

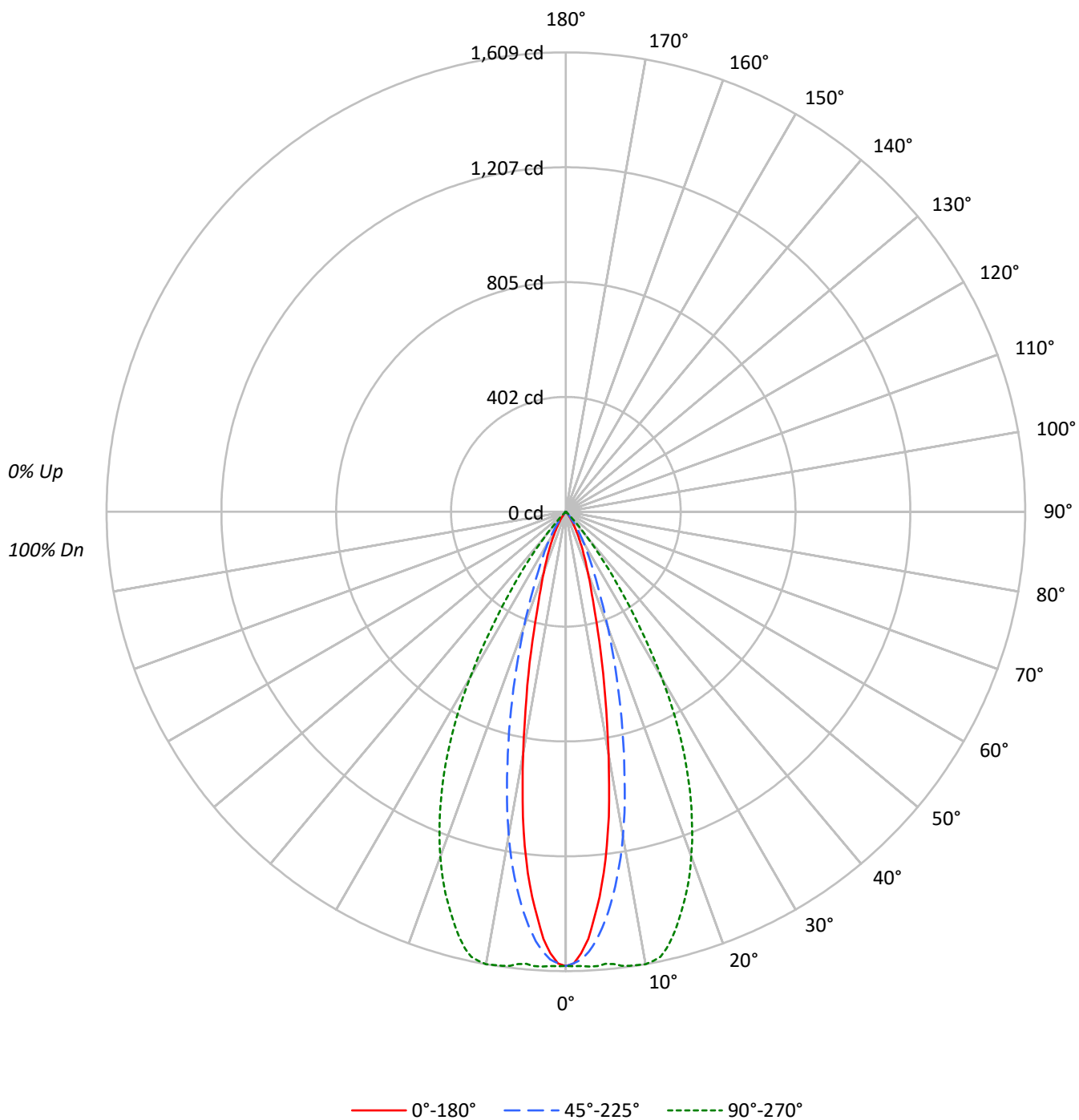
Lumens per Lamp: N/A
Luminaire Lumens: 633.9 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	785037	785037	785037
5°	670415	724644	787293
10°	431638	577672	806065
15°	221417	385322	767068
20°	118236	225183	674657
25°	65923	123462	548774
30°	35150	70299	382316
35°	15358	33909	199296
40°	4444	9918	75481
45°	1047	2721	11303
50°	614	614	1151
55°	688	688	688
60°	0	789	789
65°	0	934	934
70°	0	1154	1154
75°	0	1525	1525
80°	0	2273	2273
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 11303 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.3	20.7
10°-20°	239.1	37.7
20°-30°	181.2	28.6
30°-40°	72.5	11.4
40°-50°	7.4	1.2
50°-60°	0.8	0.1
60°-70°	0.7	0.1
70°-80°	0.7	0.1
80°-90°	0.2	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°	551.7	87.0
0°-40°	624.2	98.5
0°-60°	632.3	99.7
0°-90°	633.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	633.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1591	1591	1591	1591	1591	
5°	1354	1384	1463	1548	1590	113
15°	434	503	754	1242	1502	124
25°	121	141	227	648	1008	57
35°	26	32	56	171	331	18
45°	2	2	4	8	16	2
55°	1	1	1	1	1	0
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°	1591.2	1591.2	1591.2	1591.2	1591.2
1°	1582.8	1583.5	1582.0	1584.3	1592.0
2°	1547.3	1558.9	1568.9	1578.9	1592.0
3°	1497.9	1511.8	1543.4	1575.1	1595.1
4°	1425.4	1454.0	1507.9	1565.8	1595.1
5°	1353.7	1383.8	1463.2	1548.1	1589.7
6°	1271.9	1315.1	1411.5	1531.1	1592.8
7°	1179.4	1232.6	1354.5	1520.3	1602.0
8°	1079.1	1139.3	1292.0	1497.1	1605.9
9°	968.0	1041.3	1225.6	1469.4	1607.4
10°	861.6	938.7	1153.1	1437.8	1609.0
11°	755.1	835.3	1074.5	1406.9	1602.8
12°	664.9	741.2	991.9	1374.5	1593.6
13°	581.6	655.6	910.2	1335.9	1569.7
14°	504.4	577.0	831.5	1291.2	1538.0
15°	433.5	502.9	754.4	1241.8	1501.8
16°	369.5	434.3	680.3	1187.1	1461.7
17°	323.2	374.9	610.9	1129.2	1422.3
18°	286.9	325.5	545.3	1072.1	1380.7
19°	254.5	285.4	484.4	1012.8	1334.4
20°	225.2	253.0	428.9	951.0	1285.0
21°	200.5	224.5	377.2	890.1	1234.9
22°	178.9	199.8	330.9	829.9	1180.1
23°	158.9	177.4	291.6	769.0	1125.4
24°	139.6	159.7	256.9	707.3	1068.3
25°	121.1	141.2	226.8	647.9	1008.1
26°	106.4	125.0	201.3	590.1	945.6
27°	91.8	111.1	178.9	534.5	882.4
28°	80.2	98.0	158.9	481.3	813.8
29°	69.4	86.4	140.4	428.9	743.6
30°	61.7	74.8	123.4	379.5	671.1
32.5°	42.4	50.1	86.4	266.9	489.8
35°	25.5	31.6	56.3	171.2	330.9
37.5°	13.9	17.0	32.4	102.6	208.3
40°	6.9	8.5	15.4	50.1	117.2
42.5°	3.1	3.9	6.9	19.3	50.1
45°	1.5	2.3	3.9	7.7	16.2
47.5°	0.8	1.5	1.5	3.1	4.6
50°	0.8	0.8	0.8	1.5	1.5
52.5°	0.8	0.8	0.8	1.5	1.5
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.0	0.8	0.8	0.8	0.8
60°	0.0	0.8	0.8	0.8	0.8
62.5°	0.0	0.8	0.8	0.8	0.8
65°	0.0	0.8	0.8	0.8	0.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.8	0.8	0.8	0.8
70°	0.0	0.8	0.8	0.8	0.8
72.5°	0.0	0.8	0.8	0.8	0.8
75°	0.0	0.8	0.8	0.8	0.8
77.5°	0.0	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.8	0.8	0.8
82.5°	0.0	0.0	0.8	0.8	0.8
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)