

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: P1179042

Luminaire Tested: LDA2B109050R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179042
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: LDA2B109050R2060D010 2LBDC1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

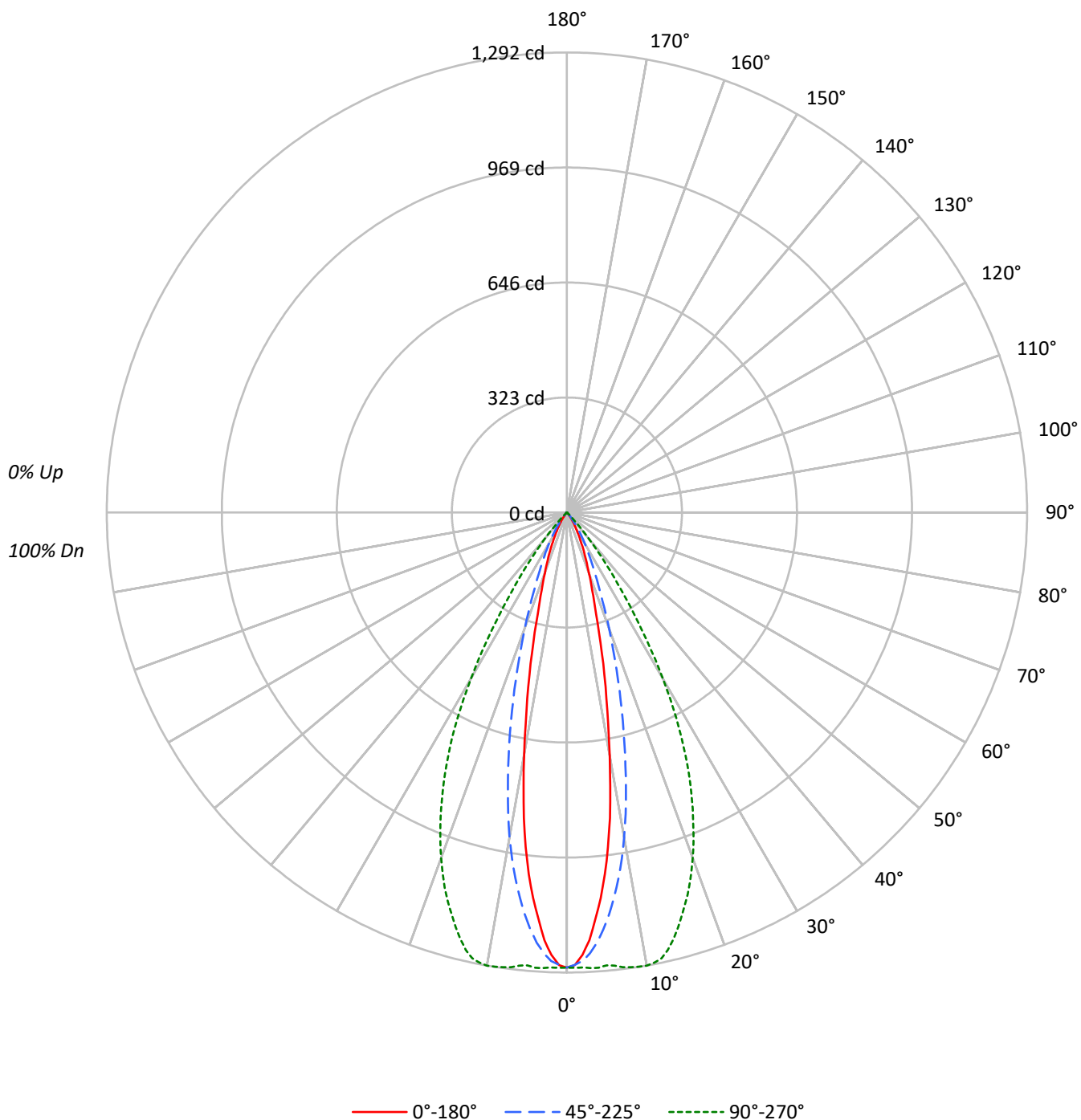
Lumens per Lamp: N/A
Luminaire Lumens: 509.1 lumens
Efficiency: N/A
Efficacy: 50.9 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	630615	630615	630615
5°	538481	582063	632380
10°	346723	464051	647457
15°	177849	309473	616137
20°	94977	180871	541930
25°	52967	99183	440826
30°	28256	56456	307060
35°	12287	27223	160087
40°	3607	7986	60668
45°	837	2163	9070
50°	461	461	921
55°	516	516	516
60°	0	592	592
65°	0	700	700
70°	0	865	865
75°	0	1144	1144
80°	0	1705	1705
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 9070 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.5	20.7
10°-20°	192.0	37.7
20°-30°	145.6	28.6
30°-40°	58.2	11.4
40°-50°	5.9	1.2
50°-60°	0.6	0.1
60°-70°	0.5	0.1
70°-80°	0.5	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°	443.1	87.0
0°-40°	501.4	98.5
0°-60°	507.9	99.8
0°-90°	509.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	509.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1278	1278	1278	1278	1278	
5°	1087	1112	1175	1244	1277	91
15°	348	404	606	998	1206	100
25°	97	113	182	520	810	46
35°	20	25	45	138	266	14
45°	1	2	3	6	13	1
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°	1278.2	1278.2	1278.2	1278.2	1278.2
1°	1271.4	1272.0	1270.7	1272.6	1278.8
2°	1242.9	1252.1	1260.2	1268.3	1278.8
3°	1203.2	1214.4	1239.8	1265.2	1281.3
4°	1145.0	1167.9	1211.3	1257.7	1281.3
5°	1087.3	1111.5	1175.3	1243.5	1276.9
6°	1021.7	1056.4	1133.8	1229.8	1279.4
7°	947.3	990.1	1088.0	1221.2	1286.8
8°	866.8	915.1	1037.8	1202.6	1289.9
9°	777.6	836.4	984.5	1180.3	1291.2
10°	692.1	754.0	926.3	1154.9	1292.4
11°	606.6	671.0	863.1	1130.1	1287.5
12°	534.1	595.4	796.8	1104.1	1280.0
13°	467.2	526.6	731.1	1073.1	1260.8
14°	405.2	463.4	667.9	1037.2	1235.4
15°	348.2	404.0	605.9	997.5	1206.3
16°	296.8	348.8	546.5	953.5	1174.1
17°	259.6	301.1	490.7	907.0	1142.5
18°	230.5	261.5	438.0	861.2	1109.0
19°	204.5	229.2	389.1	813.5	1071.9
20°	180.9	203.2	344.5	763.9	1032.2
21°	161.1	180.3	303.0	715.0	991.9
22°	143.7	160.5	265.8	666.7	947.9
23°	127.6	142.5	234.2	617.7	904.0
24°	112.1	128.3	206.3	568.1	858.1
25°	97.3	113.4	182.2	520.4	809.8
26°	85.5	100.4	161.7	474.0	759.6
27°	73.7	89.2	143.7	429.4	708.8
28°	64.4	78.7	127.6	386.6	653.6
29°	55.8	69.4	112.8	344.5	597.3
30°	49.6	60.1	99.1	304.8	539.0
32.5°	34.1	40.3	69.4	214.4	393.4
35°	20.4	25.4	45.2	137.5	265.8
37.5°	11.2	13.6	26.0	82.4	167.3
40°	5.6	6.8	12.4	40.3	94.2
42.5°	2.5	3.1	5.6	15.5	40.3
45°	1.2	1.9	3.1	6.2	13.0
47.5°	0.6	1.2	1.2	2.5	3.7
50°	0.6	0.6	0.6	1.2	1.2
52.5°	0.6	0.6	0.6	1.2	1.2
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.0	0.6	0.6	0.6	0.6
60°	0.0	0.6	0.6	0.6	0.6
62.5°	0.0	0.6	0.6	0.6	0.6
65°	0.0	0.6	0.6	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.6	0.6	0.6	0.6
70°	0.0	0.6	0.6	0.6	0.6
72.5°	0.0	0.6	0.6	0.6	0.6
75°	0.0	0.6	0.6	0.6	0.6
77.5°	0.0	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.6	0.6	0.6
82.5°	0.0	0.0	0.6	0.6	0.6
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)