

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: P1178964

Luminaire Tested: LDA2B109035R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178964
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: LDA2B109035R2060D010 2LBDC1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

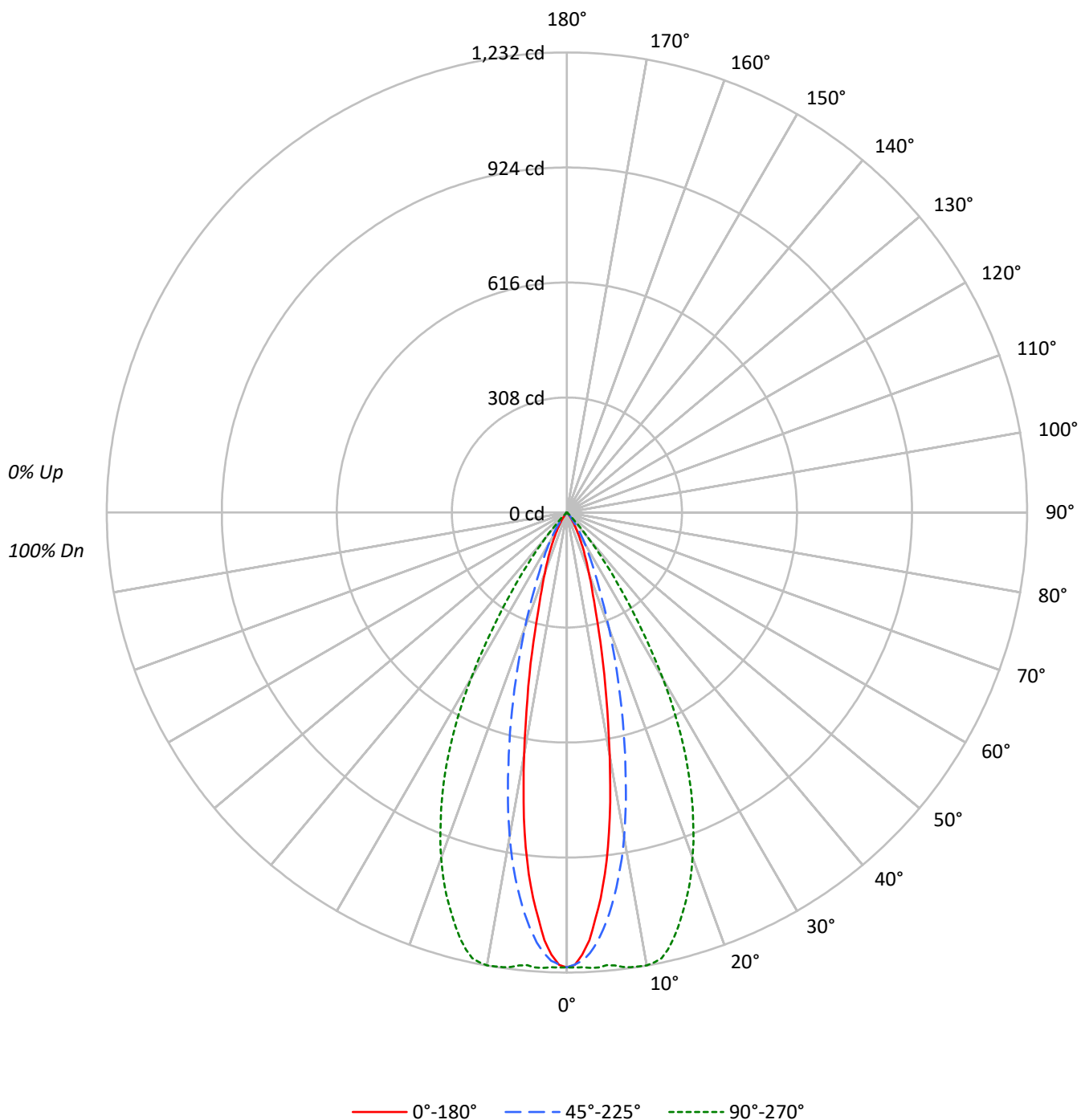
Lumens per Lamp: N/A
Luminaire Lumens: 485.3 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	601013	601013	601013
5°	513273	554775	602764
10°	330442	442259	617098
15°	169523	294967	587227
20°	90514	172366	516519
25°	50463	94502	420141
30°	26889	53835	292647
35°	11745	25958	152558
40°	3413	7600	57835
45°	837	2093	8652
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: 8652 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.5	20.7
10°-20°	183.0	37.7
20°-30°	138.7	28.6
30°-40°	55.5	11.4
40°-50°	5.6	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°	422.3	87.0
0°-40°	477.8	98.5
0°-60°	484.1	99.8
0°-90°	485.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	485.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1218	1218	1218	1218	1218	
5°	1036	1059	1120	1185	1217	87
15°	332	385	578	951	1150	95
25°	93	108	174	496	772	44
35°	20	24	43	131	253	13
45°	1	2	3	6	12	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°	1218.2	1218.2	1218.2	1218.2	1218.2
1°	1211.7	1212.3	1211.1	1212.9	1218.8
2°	1184.6	1193.4	1201.1	1208.8	1218.8
3°	1146.8	1157.4	1181.6	1205.8	1221.2
4°	1091.3	1113.1	1154.5	1198.7	1221.2
5°	1036.4	1059.4	1120.2	1185.2	1217.1
6°	973.8	1006.8	1080.6	1172.2	1219.4
7°	902.9	943.6	1036.9	1163.9	1226.5
8°	826.1	872.2	989.1	1146.2	1229.5
9°	741.1	797.2	938.3	1124.9	1230.6
10°	659.6	718.7	882.8	1100.7	1231.8
11°	578.1	639.5	822.6	1077.1	1227.1
12°	509.0	567.5	759.4	1052.3	1220.0
13°	445.2	501.9	696.8	1022.8	1201.7
14°	386.2	441.7	636.6	988.5	1177.5
15°	331.9	385.0	577.5	950.7	1149.7
16°	282.9	332.5	520.8	908.8	1119.0
17°	247.4	287.0	467.7	864.5	1088.9
18°	219.7	249.2	417.5	820.8	1057.0
19°	194.9	218.5	370.8	775.3	1021.6
20°	172.4	193.7	328.3	728.1	983.8
21°	153.5	171.8	288.8	681.5	945.4
22°	137.0	152.9	253.3	635.4	903.5
23°	121.6	135.8	223.2	588.7	861.6
24°	106.9	122.2	196.6	541.5	817.9
25°	92.7	108.1	173.6	496.0	771.8
26°	81.5	95.7	154.1	451.7	724.0
27°	70.3	85.0	137.0	409.2	675.5
28°	61.4	75.0	121.6	368.5	623.0
29°	53.1	66.1	107.5	328.3	569.3
30°	47.2	57.3	94.5	290.5	513.7
32.5°	32.5	38.4	66.1	204.3	375.0
35°	19.5	24.2	43.1	131.1	253.3
37.5°	10.6	13.0	24.8	78.5	159.4
40°	5.3	6.5	11.8	38.4	89.8
42.5°	2.4	3.0	5.3	14.8	38.4
45°	1.2	1.8	3.0	5.9	12.4
47.5°	0.6	1.2	1.2	2.4	3.5
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)