

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: P1178994

Luminaire Tested: LDA2B109040R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178994
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: LDA2B109040R2060D010 2LBD1LI
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

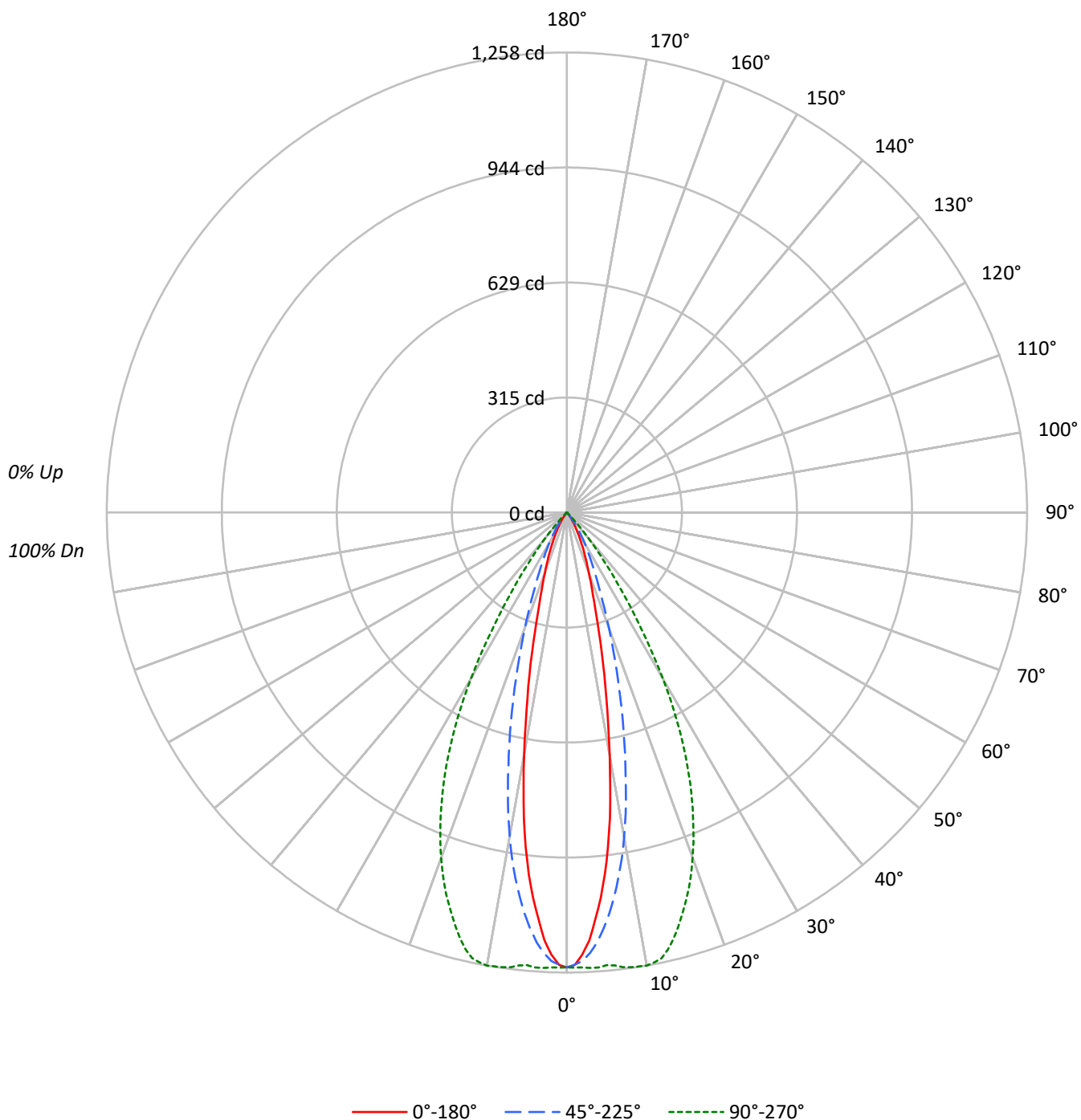
Lumens per Lamp: N/A
Luminaire Lumens: 495.5 lumens
Efficiency: N/A
Efficacy: 49.6 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	613791	613791	613791
5°	524169	566562	615542
10°	337455	451677	630224
15°	173098	301250	599741
20°	92457	176041	527492
25°	51551	96516	429068
30°	27459	54975	298914
35°	11985	26500	155811
40°	3478	7793	59058
45°	837	2093	8861
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: 8861 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	20.7
10°-20°	186.9	37.7
20°-30°	141.7	28.6
30°-40°	56.7	11.4
40°-50°	5.7	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°	431.3	87.0
0°-40°	488.0	98.5
0°-60°	494.3	99.8
0°-90°	495.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	495.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1244	1244	1244	1244	1244	
5°	1058	1082	1144	1210	1243	89
15°	339	393	590	971	1174	97
25°	95	110	177	507	788	45
35°	20	25	44	134	259	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°	1244.1	1244.1	1244.1	1244.1	1244.1
1°	1237.5	1238.1	1236.9	1238.7	1244.7
2°	1209.8	1218.8	1226.6	1234.5	1244.7
3°	1171.2	1182.0	1206.7	1231.5	1247.1
4°	1114.5	1136.8	1179.0	1224.2	1247.1
5°	1058.4	1081.9	1144.0	1210.4	1242.9
6°	994.5	1028.2	1103.6	1197.1	1245.3
7°	922.1	963.7	1059.0	1188.7	1252.6
8°	843.7	890.7	1010.1	1170.6	1255.6
9°	756.9	814.1	958.3	1148.8	1256.8
10°	673.6	733.9	901.6	1124.1	1258.0
11°	590.4	653.1	840.1	1100.0	1253.2
12°	519.8	579.5	775.5	1074.7	1245.9
13°	454.7	512.6	711.6	1044.5	1227.2
14°	394.4	451.1	650.1	1009.5	1202.5
15°	338.9	393.2	589.8	970.9	1174.2
16°	288.9	339.5	531.9	928.1	1142.8
17°	252.7	293.1	477.6	882.9	1112.1
18°	224.3	254.5	426.4	838.3	1079.5
19°	199.0	223.1	378.7	791.8	1043.3
20°	176.1	197.8	335.3	743.6	1004.7
21°	156.8	175.5	294.9	695.9	965.5
22°	139.9	156.2	258.7	648.9	922.7
23°	124.2	138.7	228.0	601.3	879.9
24°	109.2	124.8	200.8	553.0	835.3
25°	94.7	110.4	177.3	506.6	788.2
26°	83.2	97.7	157.4	461.3	739.4
27°	71.8	86.8	139.9	417.9	689.9
28°	62.7	76.6	124.2	376.3	636.2
29°	54.3	67.5	109.8	335.3	581.4
30°	48.2	58.5	96.5	296.7	524.7
32.5°	33.2	39.2	67.5	208.7	382.9
35°	19.9	24.7	44.0	133.9	258.7
37.5°	10.9	13.3	25.3	80.2	162.8
40°	5.4	6.6	12.1	39.2	91.7
42.5°	2.4	3.0	5.4	15.1	39.2
45°	1.2	1.8	3.0	6.0	12.7
47.5°	0.6	1.2	1.2	2.4	3.6
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)