

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: P1178499

Luminaire Tested: LDA2B059040R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178499
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: LDA2B059040R2060D010 2LBDC1MW
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

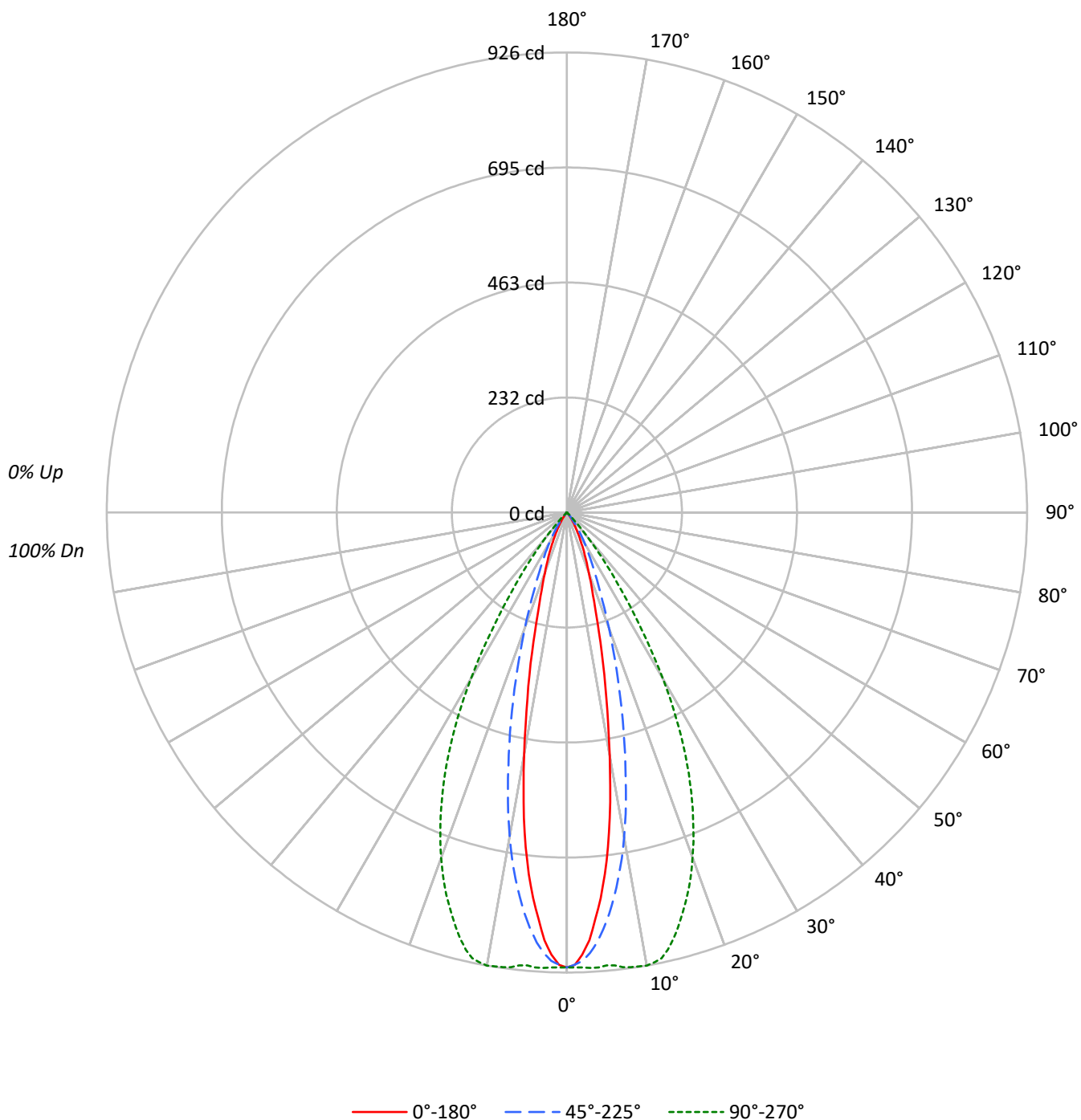
Lumens per Lamp: N/A
Luminaire Lumens: 364.6 lumens
Efficiency: N/A
Efficacy: 52.1 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
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	92	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	83	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	87	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	67	64	70	66	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	451821	451821	451821
5°	385846	417047	453101
10°	248382	332445	463901
15°	127436	221723	441455
20°	68043	129576	388256
25°	37942	71040	315840
30°	20224	40448	220012
35°	8793	19514	114675
40°	2576	5732	43473
45°	628	1535	6489
50°	307	307	691
55°	344	344	344
60°	0	395	395
65°	0	467	467
70°	0	577	577
75°	0	762	762
80°	0	1136	1136
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6489 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.6	20.7
10°-20°	137.6	37.7
20°-30°	104.3	28.6
30°-40°	41.7	11.4
40°-50°	4.2	1.2
50°-60°	0.4	0.1
60°-70°	0.3	0.1
70°-80°	0.4	0.1
80°-90°	0.1	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°	317.5	87.1
0°-40°	359.2	98.5
0°-60°	363.8	99.8
0°-90°	364.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	364.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	916	916	916	916	916	
5°	779	796	842	891	915	65
15°	250	289	434	715	864	71
25°	70	81	130	373	580	33
35°	15	18	32	98	190	10
45°	1	1	2	4	9	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	915.8	915.8	915.8	915.8	915.8
1°	910.9	911.3	910.4	911.8	916.2
2°	890.5	897.1	902.9	908.7	916.2
3°	862.1	870.1	888.3	906.5	918.0
4°	820.3	836.8	867.8	901.1	918.0
5°	779.1	796.4	842.1	890.9	914.9
6°	732.0	756.9	812.3	881.1	916.7
7°	678.7	709.4	779.5	874.9	922.0
8°	621.0	655.6	743.5	861.6	924.2
9°	557.1	599.3	705.4	845.6	925.1
10°	495.8	540.2	663.6	827.4	926.0
11°	434.6	480.7	618.4	809.7	922.4
12°	382.6	426.6	570.9	791.0	917.1
13°	334.7	377.3	523.8	768.8	903.3
14°	290.3	332.0	478.5	743.1	885.1
15°	249.5	289.4	434.1	714.7	864.3
16°	212.6	249.9	391.5	683.2	841.2
17°	186.0	215.7	351.6	649.9	818.6
18°	165.1	187.3	313.8	617.0	794.6
19°	146.5	164.2	278.8	582.8	768.0
20°	129.6	145.6	246.8	547.3	739.5
21°	115.4	129.2	217.1	512.3	710.7
22°	103.0	115.0	190.4	477.6	679.2
23°	91.4	102.1	167.8	442.6	647.7
24°	80.3	91.9	147.8	407.1	614.8
25°	69.7	81.2	130.5	372.9	580.2
26°	61.3	71.9	115.9	339.6	544.2
27°	52.8	63.9	103.0	307.6	507.8
28°	46.2	56.4	91.4	277.0	468.3
29°	40.0	49.7	80.8	246.8	427.9
30°	35.5	43.1	71.0	218.4	386.2
32.5°	24.4	28.9	49.7	153.6	281.9
35°	14.6	18.2	32.4	98.5	190.4
37.5°	8.0	9.8	18.6	59.0	119.9
40°	4.0	4.9	8.9	28.9	67.5
42.5°	1.8	2.2	4.0	11.1	28.9
45°	0.9	1.3	2.2	4.4	9.3
47.5°	0.4	0.9	0.9	1.8	2.7
50°	0.4	0.4	0.4	0.9	0.9
52.5°	0.4	0.4	0.4	0.9	0.9
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.0	0.4	0.4	0.4	0.4
60°	0.0	0.4	0.4	0.4	0.4
62.5°	0.0	0.4	0.4	0.4	0.4
65°	0.0	0.4	0.4	0.4	0.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.4	0.4	0.4	0.4
70°	0.0	0.4	0.4	0.4	0.4
72.5°	0.0	0.4	0.4	0.4	0.4
75°	0.0	0.4	0.4	0.4	0.4
77.5°	0.0	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.4	0.4	0.4
82.5°	0.0	0.0	0.4	0.4	0.4
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)