

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: P1178373

Luminaire Tested: LDA2B059027R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178373
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: LDA2B059027R2060D010 2LBD1LI
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

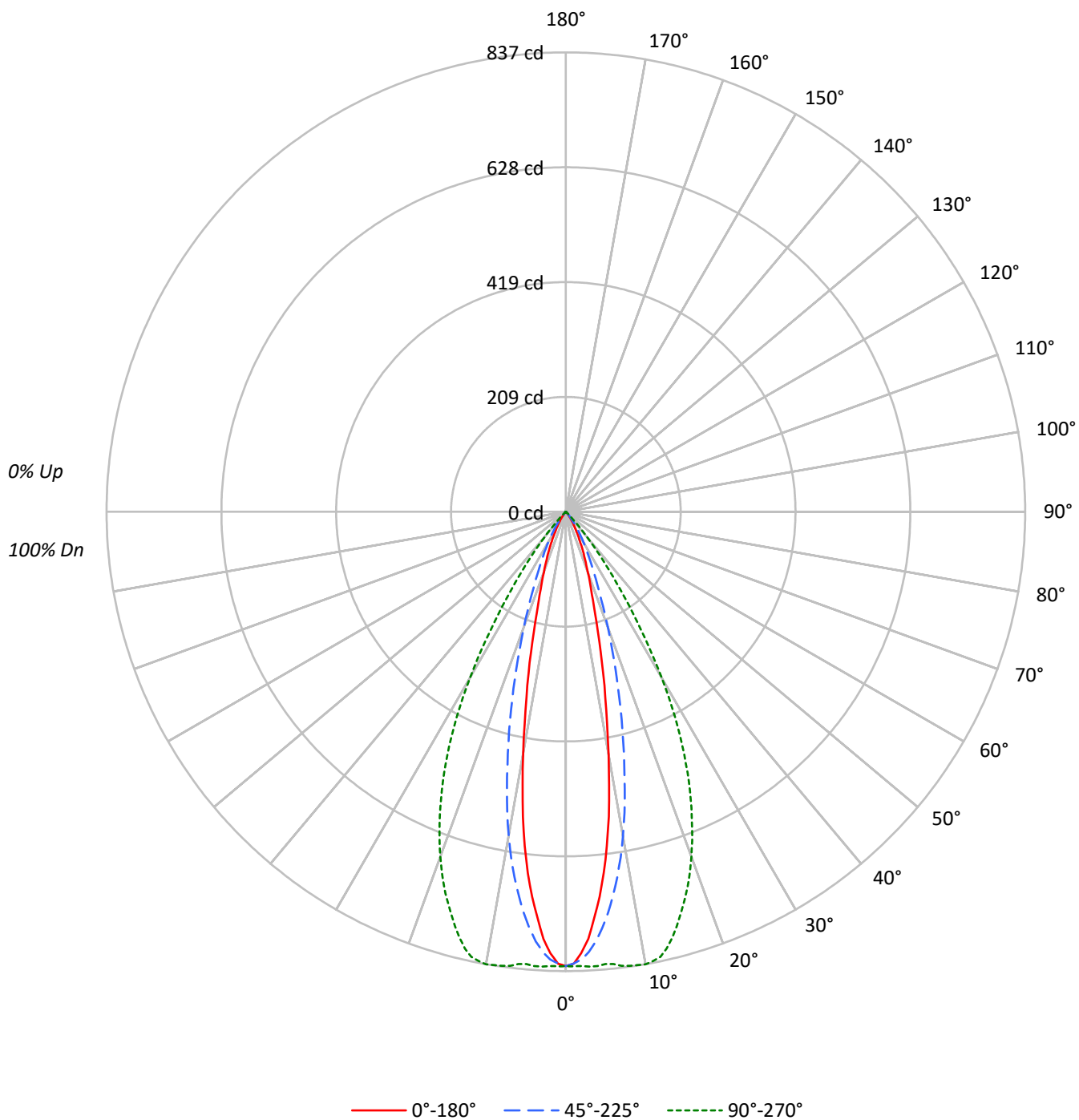
Lumens per Lamp: N/A
Luminaire Lumens: 329.8 lumens
Efficiency: N/A
Efficacy: 47.1 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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°	408454	408454	408454
5°	348802	377031	409618
10°	224586	300584	419364
15°	115178	200476	399061
20°	61533	117133	351031
25°	34295	64235	285519
30°	18287	36574	198877
35°	7950	17647	103713
40°	2319	5152	39286
45°	558	1395	5861
50°	307	307	614
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: 5861 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	20.7
10°-20°	124.4	37.7
20°-30°	94.3	28.6
30°-40°	37.7	11.4
40°-50°	3.8	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°	287.0	87.0
0°-40°	324.7	98.5
0°-60°	329.0	99.8
0°-90°	329.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	329.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	828	828	828	828	828	
5°	704	720	761	805	827	59
15°	226	262	392	646	781	65
25°	63	73	118	337	524	30
35°	13	16	29	89	172	9
45°	1	1	2	4	8	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°	827.9	827.9	827.9	827.9	827.9
1°	823.5	823.9	823.1	824.3	828.3
2°	805.0	811.0	816.3	821.5	828.3
3°	779.3	786.6	803.0	819.5	829.9
4°	741.6	756.5	784.6	814.7	829.9
5°	704.3	719.9	761.3	805.4	827.1
6°	661.8	684.2	734.4	796.6	828.7
7°	613.6	641.3	704.7	791.0	833.5
8°	561.4	592.7	672.2	778.9	835.5
9°	503.6	541.8	637.7	764.5	836.3
10°	448.3	488.4	600.0	748.0	837.1
11°	392.9	434.6	559.0	732.0	833.9
12°	345.9	385.7	516.1	715.1	829.1
13°	302.6	341.1	473.5	695.1	816.7
14°	262.5	300.2	432.6	671.8	800.2
15°	225.5	261.7	392.5	646.1	781.3
16°	192.2	225.9	354.0	617.6	760.5
17°	168.1	195.0	317.8	587.5	740.0
18°	149.3	169.4	283.7	557.8	718.3
19°	132.4	148.5	252.0	526.9	694.3
20°	117.2	131.6	223.1	494.8	668.6
21°	104.3	116.8	196.2	463.1	642.5
22°	93.1	103.9	172.2	431.8	614.0
23°	82.7	92.3	151.7	400.1	585.5
24°	72.6	83.1	133.6	368.0	555.8
25°	63.0	73.4	118.0	337.1	524.5
26°	55.4	65.0	104.7	307.0	492.0
27°	47.8	57.8	93.1	278.1	459.1
28°	41.7	51.0	82.7	250.4	423.4
29°	36.1	44.9	73.0	223.1	386.9
30°	32.1	38.9	64.2	197.4	349.1
32.5°	22.1	26.1	44.9	138.9	254.8
35°	13.2	16.5	29.3	89.1	172.2
37.5°	7.2	8.8	16.9	53.4	108.4
40°	3.6	4.4	8.0	26.1	61.0
42.5°	1.6	2.0	3.6	10.0	26.1
45°	0.8	1.2	2.0	4.0	8.4
47.5°	0.4	0.8	0.8	1.6	2.4
50°	0.4	0.4	0.4	0.8	0.8
52.5°	0.4	0.4	0.4	0.8	0.8
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)