

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: P1178936

Luminaire Tested: LDA2B109035R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B109035R2040D010 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

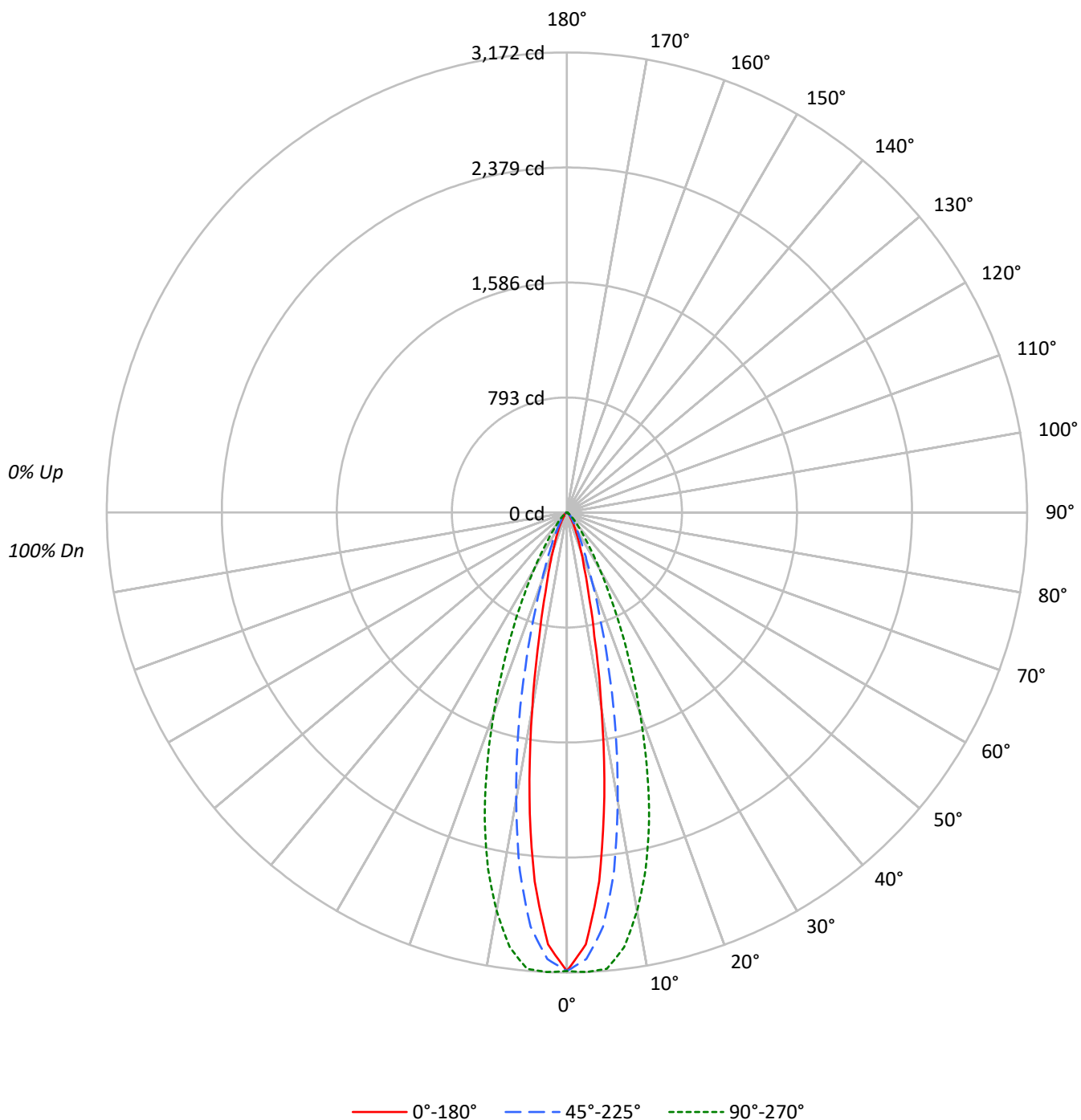
Lumens per Lamp: N/A
Luminaire Lumens: 890.9 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91		94	92	89		92	90	88	87
4	102	95	91	88	100	94	90	87	92	89	86		90	87	85		89	86	84	83
5	98	91	86	83	97	90	86	83	89	85	82		87	84	81		86	83	81	79
6	94	87	83	79	93	87	82	79	85	81	78		84	80	78		83	80	77	76
7	91	84	79	76	90	83	79	75	82	78	75		81	77	75		80	77	74	73
8	88	81	76	73	87	80	76	72	79	75	72		78	75	72		77	74	72	70
9	85	78	73	70	84	77	73	70	76	72	70		76	72	69		75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67		73	70	67		73	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1559566	1559566	1559566
5°	1264166	1419822	1563641
10°	687284	1008057	1396311
15°	290728	565724	1117658
20°	148424	266030	772784
25°	82145	136091	471039
30°	46031	75597	256871
35°	26621	45774	130876
40°	19836	34649	72454
45°	17443	23443	42910
50°	18421	15504	22873
55°	13246	10752	12386
60°	8584	7598	7598
65°	6771	6771	6771
70°	5481	5481	5481
75°	5528	5528	5528
80°	5398	5398	5398
85°	5661	5661	5661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 42910 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.3	27.6
10°-20°	348.3	39.1
20°-30°	179.4	20.1
30°-40°	66.0	7.4
40°-50°	29.0	3.3
50°-60°	12.7	1.4
60°-70°	5.6	0.6
70°-80°	2.8	0.3
80°-90°	0.8	0.1
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°	774.1	86.9
0°-40°	840.1	94.3
0°-60°	881.8	99.0
0°-90°	890.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	890.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3161	3161	3161	3161	3161	
5°	2553	2639	2867	3070	3157	205
15°	569	662	1108	1848	2188	174
25°	151	169	250	574	865	72
35°	44	51	76	133	217	30
45°	25	29	34	40	62	20
55°	15	14	12	14	14	14
65°	6	6	6	5	6	6
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3161.1	3161.1	3161.1	3161.1	3161.1
2.5°	2980.4	3016.0	3082.3	3145.8	3171.7
5°	2552.6	2639.1	2866.9	3069.8	3157.3
7.5°	1976.7	2119.0	2488.2	2867.9	3023.7
10°	1371.9	1516.2	2012.2	2558.3	2787.2
12.5°	874.9	1015.3	1550.8	2215.1	2512.2
15°	569.2	661.5	1107.6	1847.8	2188.2
17.5°	395.1	460.5	753.8	1458.5	1829.6
20°	282.7	328.8	506.7	1112.4	1471.9
22.5°	204.8	236.5	351.9	812.4	1144.1
25°	150.9	169.2	250.0	574.0	865.3
27.5°	111.5	123.1	180.7	396.1	632.6
30°	80.8	90.4	132.7	272.1	450.9
32.5°	58.6	67.3	99.0	188.4	314.4
35°	44.2	51.0	76.0	132.7	217.3
37.5°	36.5	40.4	62.5	96.1	153.8
40°	30.8	34.6	53.8	71.1	112.5
42.5°	26.9	31.7	44.2	52.9	84.6
45°	25.0	28.8	33.6	40.4	61.5
47.5°	25.0	24.0	26.0	30.8	43.3
50°	24.0	20.2	20.2	24.0	29.8
52.5°	20.2	16.3	16.3	17.3	20.2
55°	15.4	13.5	12.5	13.5	14.4
57.5°	11.5	11.5	10.6	9.6	10.6
60°	8.7	8.7	7.7	7.7	7.7
62.5°	6.7	6.7	6.7	5.8	6.7
65°	5.8	5.8	5.8	4.8	5.8
67.5°	4.8	4.8	3.8	4.8	4.8
70°	3.8	3.8	3.8	3.8	3.8
72.5°	2.9	2.9	2.9	2.9	2.9
75°	2.9	2.9	2.9	2.9	2.9
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0
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)