

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: P1178743

Luminaire Tested: LDA2B108040R2040D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178743
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: LDA2B108040R2040D010 2LBDC1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

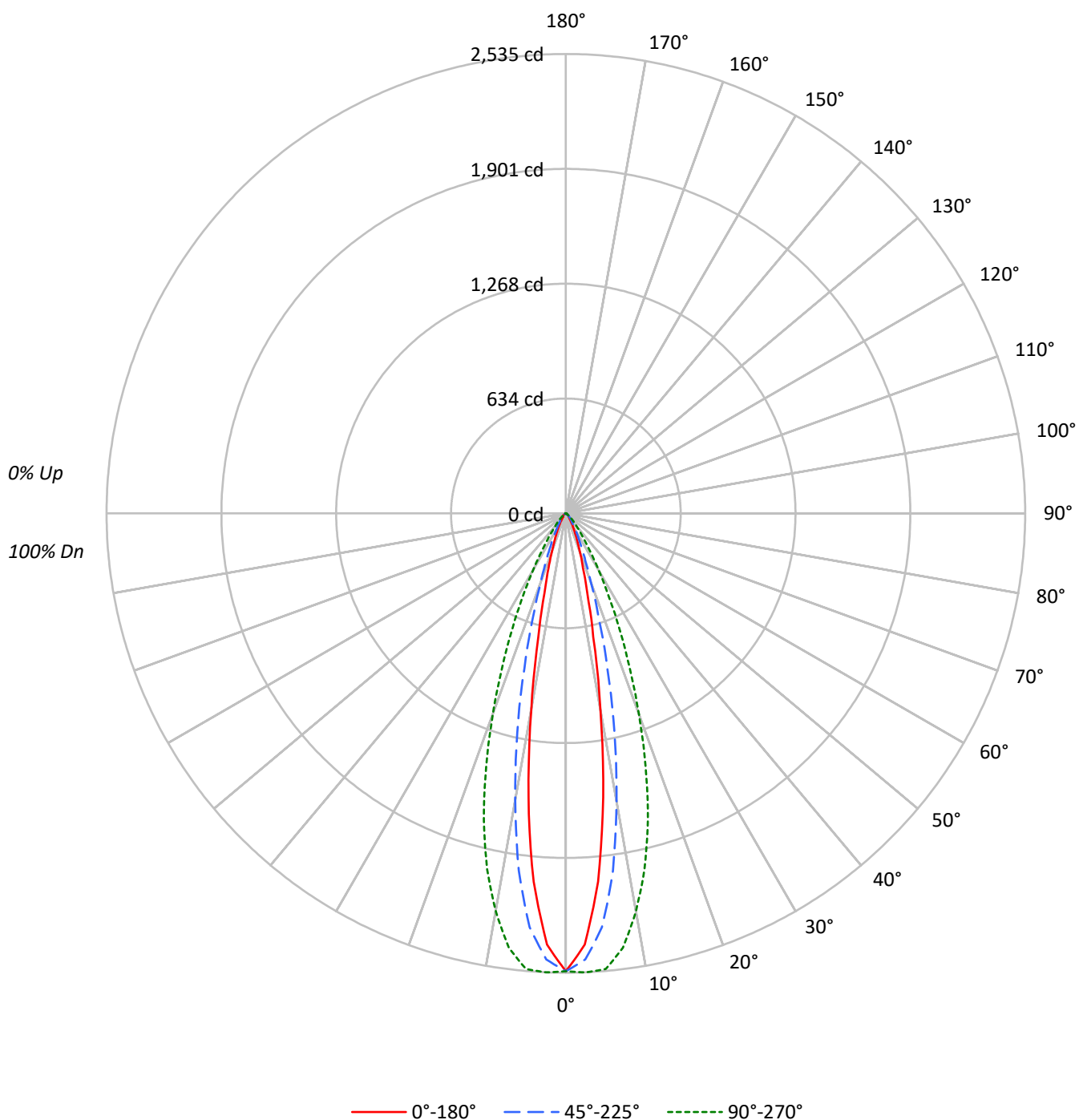
Lumens per Lamp: N/A
Luminaire Lumens: 712.2 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1246627	1246627	1246627
5°	1010451	1134907	1249853
10°	549367	805764	1116117
15°	232347	452181	893380
20°	118603	212635	617744
25°	65705	108764	376482
30°	36802	60444	205315
35°	21321	36559	104617
40°	15843	27694	57899
45°	13954	18769	34328
50°	14737	12357	18267
55°	10580	8602	9892
60°	6808	6019	6019
65°	5370	5370	5370
70°	4472	4472	4472
75°	4384	4384	4384
80°	4262	4262	4262
85°	4529	4529	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 34328 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.9	27.6
10°-20°	278.4	39.1
20°-30°	143.4	20.1
30°-40°	52.8	7.4
40°-50°	23.2	3.3
50°-60°	10.2	1.4
60°-70°	4.4	0.6
70°-80°	2.2	0.3
80°-90°	0.6	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°	618.7	86.9
0°-40°	671.5	94.3
0°-60°	704.9	99.0
0°-90°	712.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	712.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2527	2527	2527	2527	2527	
5°	2040	2110	2292	2454	2524	164
15°	455	529	885	1477	1749	139
25°	121	135	200	459	692	58
35°	35	41	61	106	174	24
45°	20	23	27	32	49	16
55°	12	11	10	11	12	11
65°	5	5	5	4	5	5
75°	2	2	2	2	2	2
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°	2526.8	2526.8	2526.8	2526.8	2526.8
2.5°	2382.3	2410.8	2463.8	2514.5	2535.2
5°	2040.3	2109.5	2291.6	2453.8	2523.7
7.5°	1580.0	1693.8	1988.8	2292.4	2416.9
10°	1096.6	1211.9	1608.4	2044.9	2227.9
12.5°	699.3	811.5	1239.6	1770.6	2008.1
15°	454.9	528.7	885.3	1477.0	1749.1
17.5°	315.8	368.1	602.5	1165.8	1462.4
20°	225.9	262.8	405.0	889.1	1176.6
22.5°	163.7	189.0	281.3	649.4	914.5
25°	120.7	135.3	199.8	458.8	691.6
27.5°	89.1	98.4	144.5	316.6	505.7
30°	64.6	72.2	106.1	217.5	360.4
32.5°	46.9	53.8	79.2	150.6	251.3
35°	35.4	40.7	60.7	106.1	173.7
37.5°	29.2	32.3	50.0	76.8	123.0
40°	24.6	27.7	43.0	56.9	89.9
42.5°	21.5	25.4	35.4	42.3	67.6
45°	20.0	23.1	26.9	32.3	49.2
47.5°	20.0	19.2	20.7	24.6	34.6
50°	19.2	16.1	16.1	19.2	23.8
52.5°	16.1	13.1	13.1	13.8	16.1
55°	12.3	10.8	10.0	10.8	11.5
57.5°	9.2	9.2	8.5	7.7	8.5
60°	6.9	6.9	6.1	6.1	6.1
62.5°	5.4	5.4	5.4	4.6	5.4
65°	4.6	4.6	4.6	3.8	4.6
67.5°	3.8	3.8	3.1	3.8	3.8
70°	3.1	3.1	3.1	3.1	3.1
72.5°	2.3	2.3	2.3	2.3	2.3
75°	2.3	2.3	2.3	2.3	2.3
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8
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)