

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: P1178782

Luminaire Tested: LDA2B108050R2040D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178782
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: LDA2B108050R2040D010 2LBDC1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

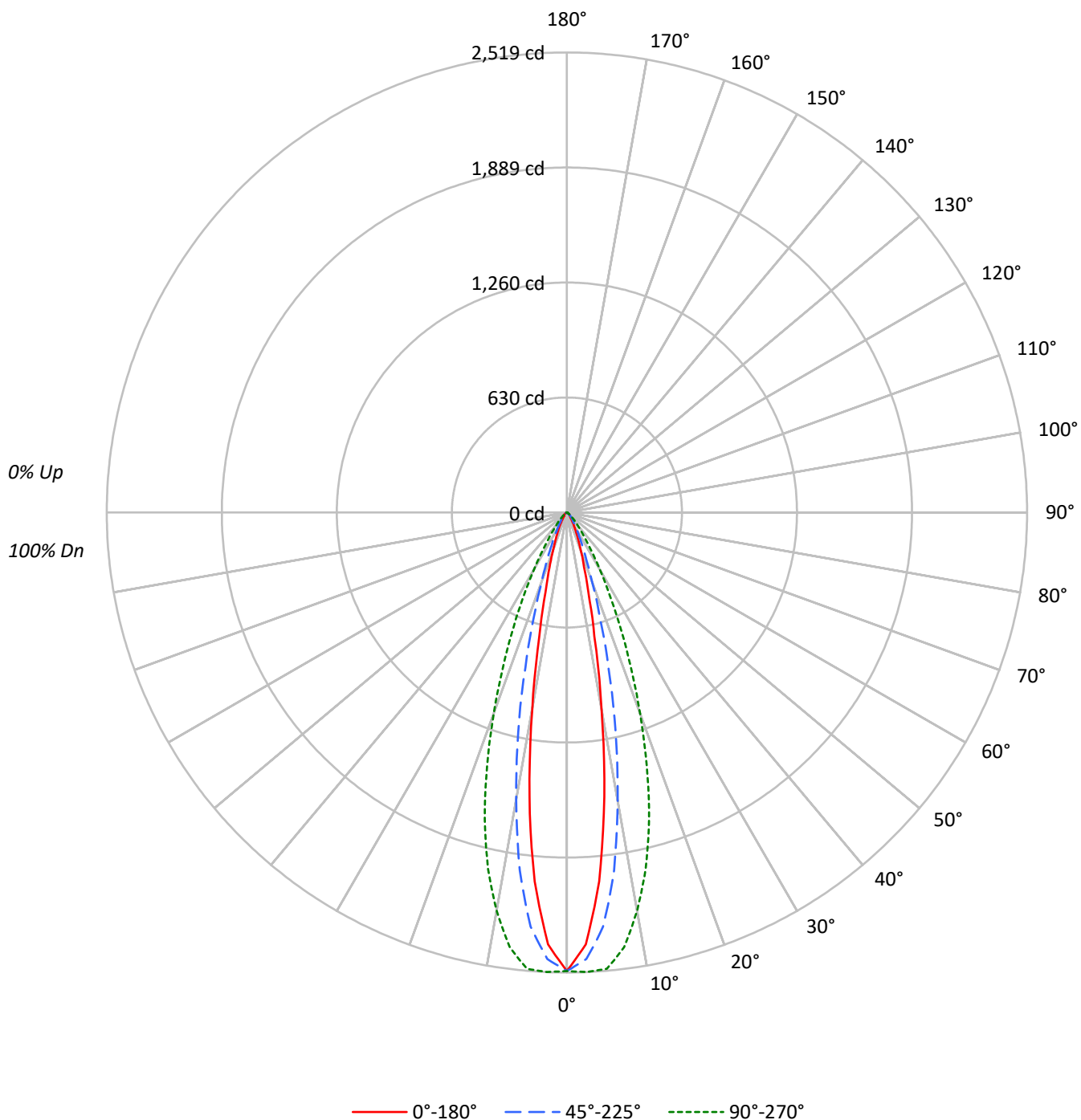
Lumens per Lamp: N/A
Luminaire Lumens: 707.5 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	87	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°	1238486	1238486	1238486
5°	1003864	1127527	1241731
10°	545810	800554	1108803
15°	230866	449218	887558
20°	117868	211270	613701
25°	65269	108056	374033
30°	36517	60045	204004
35°	21140	36318	103894
40°	15715	27565	57513
45°	13885	18629	34118
50°	14660	12281	18191
55°	10494	8515	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: 34118 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.6	27.6
10°-20°	276.6	39.1
20°-30°	142.5	20.1
30°-40°	52.4	7.4
40°-50°	23.0	3.3
50°-60°	10.1	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°	614.7	86.9
0°-40°	667.1	94.3
0°-60°	700.3	99.0
0°-90°	707.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	707.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2510	2510	2510	2510	2510	
5°	2027	2096	2277	2438	2507	163
15°	452	525	880	1467	1738	138
25°	120	134	198	456	687	58
35°	35	40	60	105	172	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°	2510.3	2510.3	2510.3	2510.3	2510.3
2.5°	2366.8	2395.0	2447.7	2498.1	2518.7
5°	2027.0	2095.7	2276.7	2437.8	2507.3
7.5°	1569.7	1682.7	1975.9	2277.5	2401.1
10°	1089.5	1204.0	1598.0	2031.6	2213.3
12.5°	694.8	806.2	1231.5	1759.1	1995.0
15°	452.0	525.3	879.5	1467.4	1737.7
17.5°	313.8	365.7	598.6	1158.2	1452.9
20°	224.5	261.1	402.4	883.3	1168.9
22.5°	162.6	187.8	279.4	645.1	908.5
25°	119.9	134.4	198.5	455.8	687.1
27.5°	88.6	97.7	143.5	314.6	502.4
30°	64.1	71.8	105.4	216.1	358.1
32.5°	46.6	53.4	78.6	149.6	249.7
35°	35.1	40.5	60.3	105.4	172.5
37.5°	29.0	32.1	49.6	76.3	122.2
40°	24.4	27.5	42.8	56.5	89.3
42.5°	21.4	25.2	35.1	42.0	67.2
45°	19.9	22.9	26.7	32.1	48.9
47.5°	19.9	19.1	20.6	24.4	34.4
50°	19.1	16.0	16.0	19.1	23.7
52.5°	16.0	13.0	13.0	13.7	16.0
55°	12.2	10.7	9.9	10.7	11.5
57.5°	9.2	9.2	8.4	7.6	8.4
60°	6.9	6.9	6.1	6.1	6.1
62.5°	5.3	5.3	5.3	4.6	5.3
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)