

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: P1178756

Luminaire Tested: LDA2B108040R2050D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B108040R2050D010 2LBDC1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

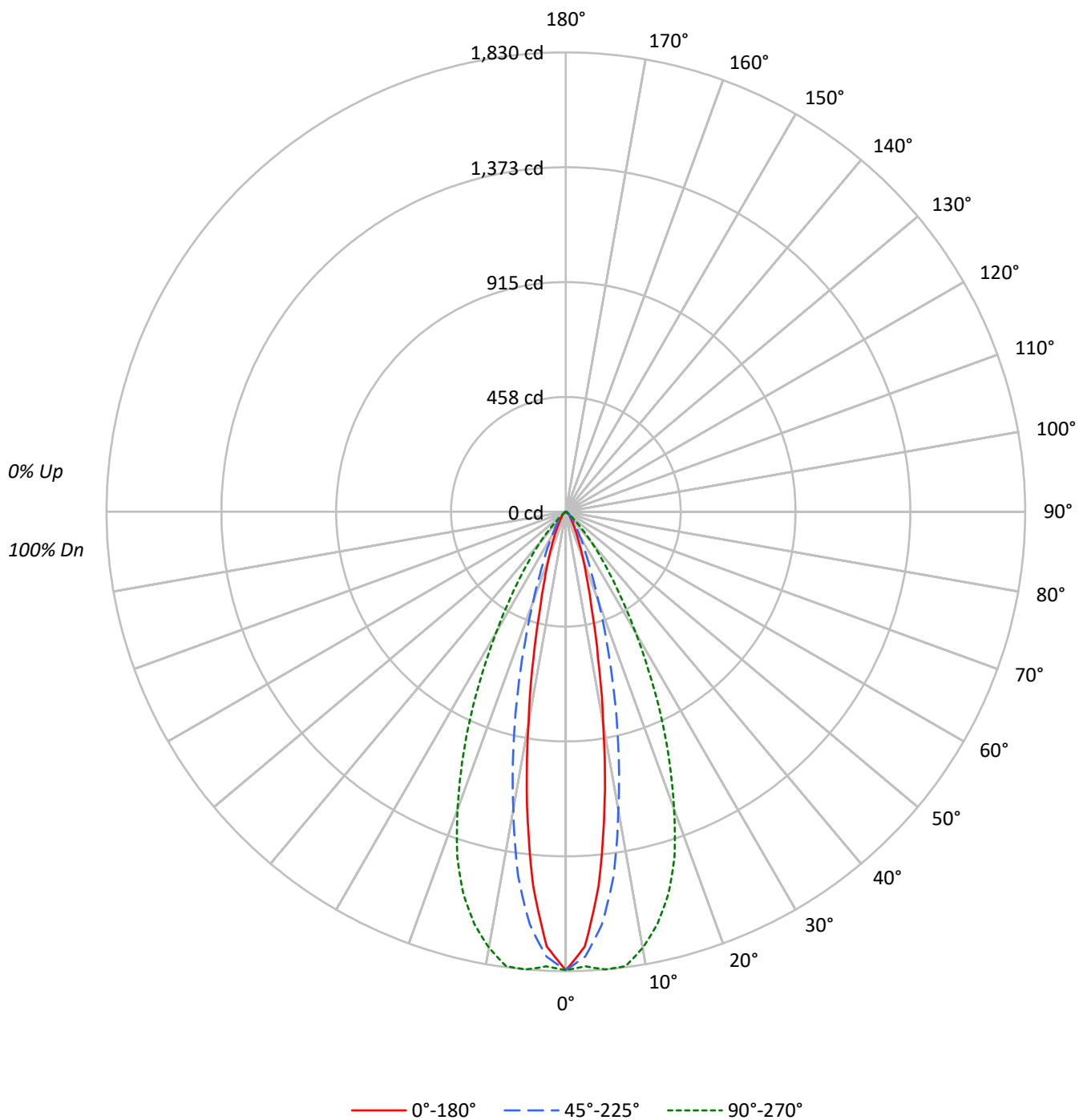
Lumens per Lamp: N/A
Luminaire Lumens: 656.3 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	900780	900780	900780
5°	740591	817107	906499
10°	429885	603822	883766
15°	200271	376077	805375
20°	105530	198249	662004
25°	58465	107349	488241
30°	34238	62893	315776
35°	21983	42160	187069
40°	17131	28466	103948
45°	14861	17024	46189
50°	13432	11667	16963
55°	9204	8515	7827
60°	6808	6019	6019
65°	5370	4436	5370
70°	4327	4327	4327
75°	4384	4384	4384
80°	4262	4262	4262
85°	4529	4529	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 46189 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.4	22.2
10°-20°	238.0	36.3
20°-30°	158.8	24.2
30°-40°	71.6	10.9
40°-50°	26.2	4.0
50°-60°	9.2	1.4
60°-70°	4.3	0.7
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°	542.2	82.6
0°-40°	613.8	93.5
0°-60°	649.1	98.9
0°-90°	656.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	656.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1826	1826	1826	1826	1826	
5°	1495	1542	1650	1770	1830	122
15°	392	461	736	1244	1577	117
25°	107	125	197	538	897	52
35°	36	41	70	152	311	24
45°	21	21	24	38	66	17
55°	11	10	10	8	9	10
65°	5	5	4	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°	1825.8	1825.8	1825.8	1825.8	1825.8
2.5°	1733.7	1752.0	1773.3	1795.4	1812.9
5°	1495.4	1541.8	1649.9	1770.2	1830.4
7.5°	1182.4	1251.0	1461.1	1698.7	1825.8
10°	858.1	945.6	1205.3	1574.6	1764.1
12.5°	590.1	672.3	967.0	1417.7	1682.7
15°	392.1	460.6	736.3	1244.1	1576.8
17.5°	276.4	322.8	535.3	1054.5	1440.5
20°	201.0	232.2	377.6	868.7	1260.9
22.5°	146.2	169.8	268.8	694.4	1078.9
25°	107.4	124.9	197.2	537.5	896.9
27.5°	79.9	93.7	147.7	408.1	714.9
30°	60.1	71.6	110.4	300.7	554.3
32.5°	46.4	54.1	84.5	214.7	419.5
35°	36.5	41.1	70.0	151.5	310.6
37.5°	30.5	33.5	57.9	105.8	227.7
40°	26.6	28.9	44.2	75.4	161.4
42.5°	23.6	25.1	32.0	54.1	105.1
45°	21.3	21.3	24.4	38.1	66.2
47.5°	19.8	17.5	19.0	26.6	38.8
50°	17.5	14.5	15.2	18.3	22.1
52.5°	13.7	12.2	12.2	12.2	12.9
55°	10.7	9.9	9.9	8.4	9.1
57.5°	8.4	8.4	7.6	6.9	7.6
60°	6.9	6.9	6.1	5.3	6.1
62.5°	5.3	5.3	4.6	4.6	5.3
65°	4.6	4.6	3.8	3.8	4.6
67.5°	3.8	3.8	3.8	3.0	3.8
70°	3.0	3.0	3.0	3.0	3.0
72.5°	2.3	2.3	3.0	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)