

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: P1178754

Luminaire Tested: LDA2B108040R2050D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178754
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 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

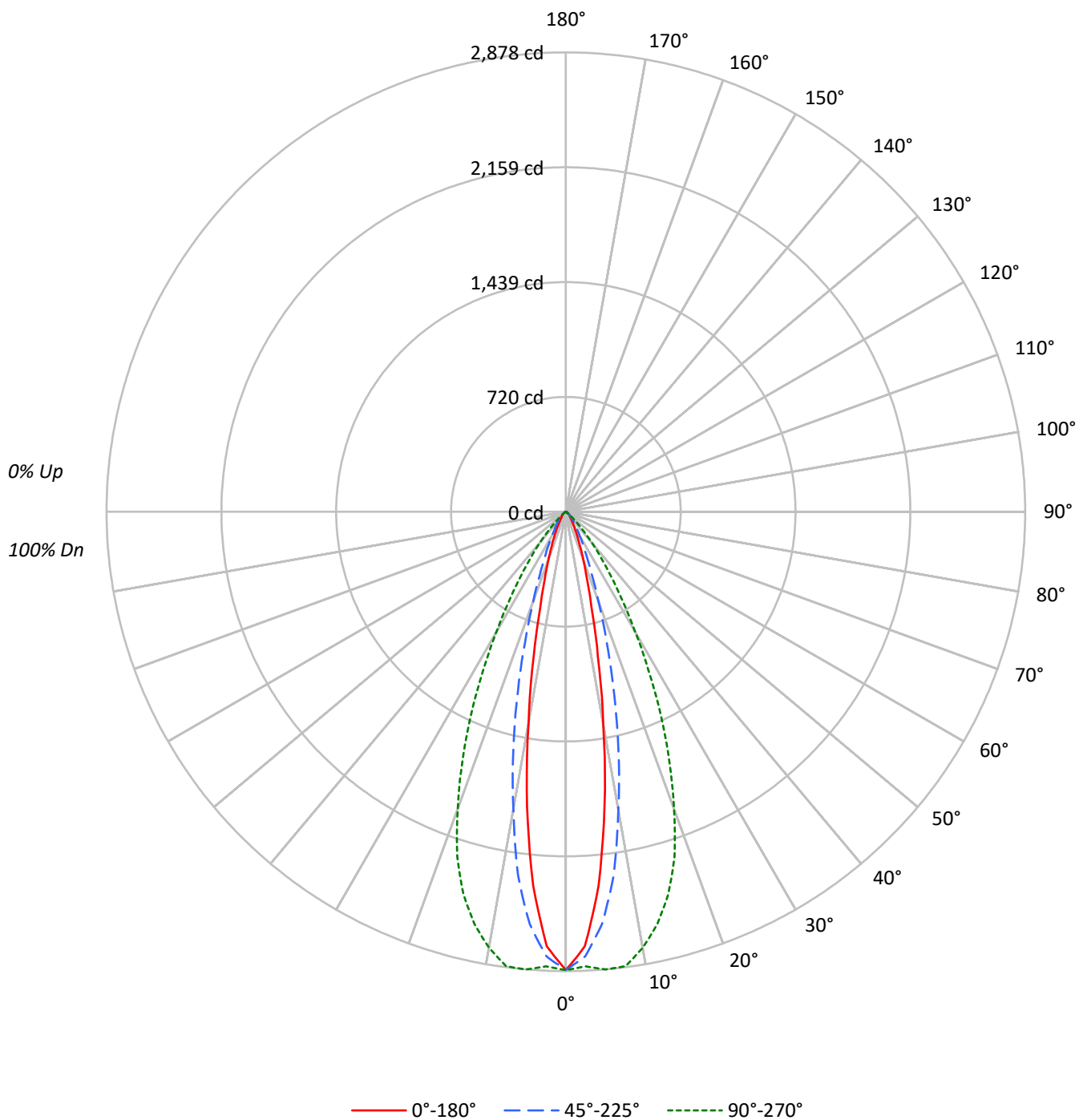
Lumens per Lamp: N/A
Luminaire Lumens: 1032.0 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1416343	1416343	1416343
5°	1164423	1284818	1425319
10°	675912	949393	1389598
15°	314887	591313	1266341
20°	165960	311760	1040861
25°	91889	168807	767717
30°	53892	98897	496481
35°	34631	66311	294155
40°	26985	44696	163457
45°	23374	26723	72702
50°	21107	18344	26633
55°	14451	13418	12386
60°	10657	9473	9473
65°	8405	7004	8405
70°	6924	6924	6924
75°	6862	6862	6862
80°	6819	6819	6819
85°	6793	6793	6793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 72702 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.6	22.1
10°-20°	374.3	36.3
20°-30°	249.7	24.2
30°-40°	112.5	10.9
40°-50°	41.2	4.0
50°-60°	14.4	1.4
60°-70°	6.8	0.7
70°-80°	3.6	0.3
80°-90°	1.0	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°	852.5	82.6
0°-40°	965.1	93.5
0°-60°	1020.7	98.9
0°-90°	1032.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1032.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2871	2871	2871	2871	2871	
5°	2351	2424	2594	2783	2878	192
15°	616	724	1158	1956	2479	185
25°	169	196	310	845	1410	82
35°	58	65	110	238	488	38
45°	34	34	38	60	104	26
55°	17	16	16	13	14	16
65°	7	7	6	6	7	7
75°	4	4	4	4	4	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°	2870.8	2870.8	2870.8	2870.8	2870.8
2.5°	2725.9	2754.7	2788.2	2822.9	2850.5
5°	2351.2	2424.3	2594.3	2783.4	2878.0
7.5°	1859.2	1966.9	2297.4	2670.9	2870.8
10°	1349.2	1486.9	1895.1	2475.7	2773.8
12.5°	927.8	1057.1	1520.4	2229.1	2645.7
15°	616.5	724.3	1157.7	1956.2	2479.3
17.5°	434.6	507.6	841.6	1658.1	2265.0
20°	316.1	365.1	593.8	1366.0	1982.5
22.5°	229.9	267.0	422.6	1091.8	1696.4
25°	168.8	196.3	310.1	845.2	1410.3
27.5°	125.7	147.3	232.3	641.7	1124.1
30°	94.6	112.5	173.6	472.9	871.5
32.5°	73.0	85.0	132.9	337.6	659.6
35°	57.5	64.6	110.1	238.2	488.4
37.5°	47.9	52.7	91.0	166.4	358.0
40°	41.9	45.5	69.4	118.5	253.8
42.5°	37.1	39.5	50.3	85.0	165.2
45°	33.5	33.5	38.3	59.9	104.2
47.5°	31.1	27.5	29.9	41.9	61.1
50°	27.5	22.7	23.9	28.7	34.7
52.5°	21.5	19.2	19.2	19.2	20.4
55°	16.8	15.6	15.6	13.2	14.4
57.5°	13.2	13.2	12.0	10.8	12.0
60°	10.8	10.8	9.6	8.4	9.6
62.5°	8.4	8.4	7.2	7.2	8.4
65°	7.2	7.2	6.0	6.0	7.2
67.5°	6.0	6.0	6.0	4.8	6.0
70°	4.8	4.8	4.8	4.8	4.8
72.5°	3.6	3.6	4.8	3.6	3.6
75°	3.6	3.6	3.6	3.6	3.6
77.5°	2.4	2.4	2.4	2.4	2.4
80°	2.4	2.4	2.4	2.4	2.4
82.5°	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2
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)