

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: P1178911

Luminaire Tested: LDA2B109030R2050D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178911
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: LDA2B109030R2050D010 2LBDC1MMS
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

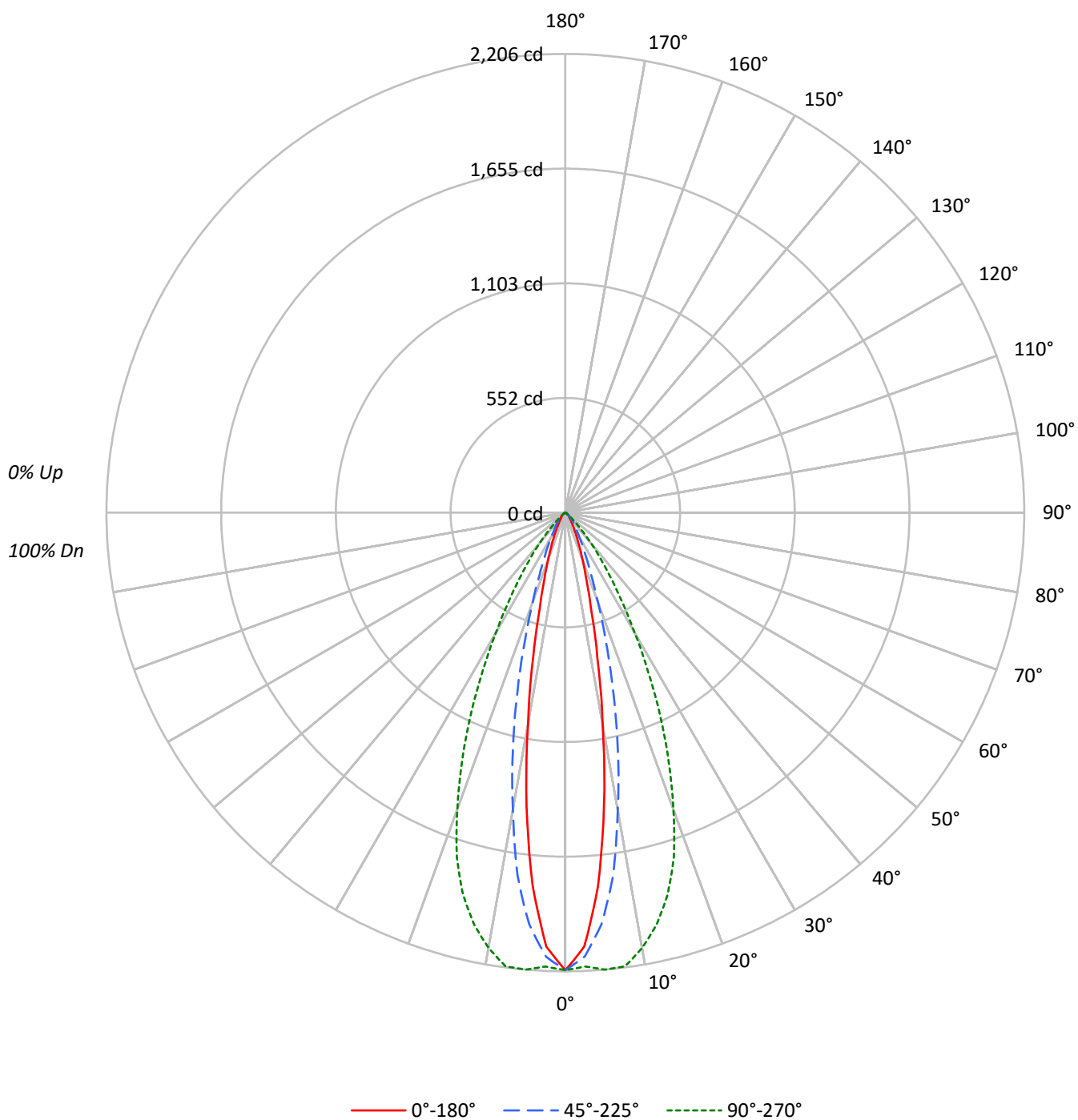
Lumens per Lamp: N/A
Luminaire Lumens: 790.9 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1085495	1085495	1085495
5°	892434	984698	1092365
10°	518006	727613	1065018
15°	241337	453151	970557
20°	127161	238939	797722
25°	70441	129341	588349
30°	41302	75768	380550
35°	26500	50833	225435
40°	20674	34263	125265
45°	17931	20513	55678
50°	16195	14123	20416
55°	11010	10236	9462
60°	8190	7203	7203
65°	6421	5370	6421
70°	5337	5337	5337
75°	5337	5337	5337
80°	5114	5114	5114
85°	5095	5095	5095

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 55678 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.2	22.2
10°-20°	286.8	36.3
20°-30°	191.3	24.2
30°-40°	86.2	10.9
40°-50°	31.6	4.0
50°-60°	11.0	1.4
60°-70°	5.2	0.7
70°-80°	2.7	0.3
80°-90°	0.7	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°	653.4	82.6
0°-40°	739.6	93.5
0°-60°	782.2	98.9
0°-90°	790.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	790.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2200	2200	2200	2200	2200	
5°	1802	1858	1988	2133	2206	147
15°	472	555	887	1499	1900	141
25°	129	150	238	648	1081	62
35°	44	50	84	183	374	29
45°	26	26	29	46	80	20
55°	13	12	12	10	11	12
65°	6	6	5	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°	2200.2	2200.2	2200.2	2200.2	2200.2
2.5°	2089.2	2111.2	2136.9	2163.5	2184.6
5°	1802.0	1858.0	1988.3	2133.2	2205.7
7.5°	1424.9	1507.5	1760.7	2047.0	2200.2
10°	1034.0	1139.6	1452.4	1897.4	2125.9
12.5°	711.1	810.2	1165.2	1708.4	2027.7
15°	472.5	555.1	887.2	1499.2	1900.2
17.5°	333.1	389.0	645.0	1270.8	1735.9
20°	242.2	279.8	455.1	1046.9	1519.4
22.5°	176.2	204.6	323.9	836.8	1300.1
25°	129.4	150.5	237.6	647.8	1080.8
27.5°	96.3	112.9	178.0	491.8	861.6
30°	72.5	86.2	133.0	362.4	668.0
32.5°	56.0	65.1	101.8	258.7	505.6
35°	44.0	49.5	84.4	182.6	374.3
37.5°	36.7	40.4	69.7	127.5	274.3
40°	32.1	34.9	53.2	90.8	194.5
42.5°	28.4	30.3	38.5	65.1	126.6
45°	25.7	25.7	29.4	45.9	79.8
47.5°	23.9	21.1	22.9	32.1	46.8
50°	21.1	17.4	18.4	22.0	26.6
52.5°	16.5	14.7	14.7	14.7	15.6
55°	12.8	11.9	11.9	10.1	11.0
57.5°	10.1	10.1	9.2	8.3	9.2
60°	8.3	8.3	7.3	6.4	7.3
62.5°	6.4	6.4	5.5	5.5	6.4
65°	5.5	5.5	4.6	4.6	5.5
67.5°	4.6	4.6	4.6	3.7	4.6
70°	3.7	3.7	3.7	3.7	3.7
72.5°	2.8	2.8	3.7	2.8	2.8
75°	2.8	2.8	2.8	2.8	2.8
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9
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)