

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: P1180076

Luminaire Tested: LDA2B209727R2050D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180076
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: LDA2B209727R2050D010 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

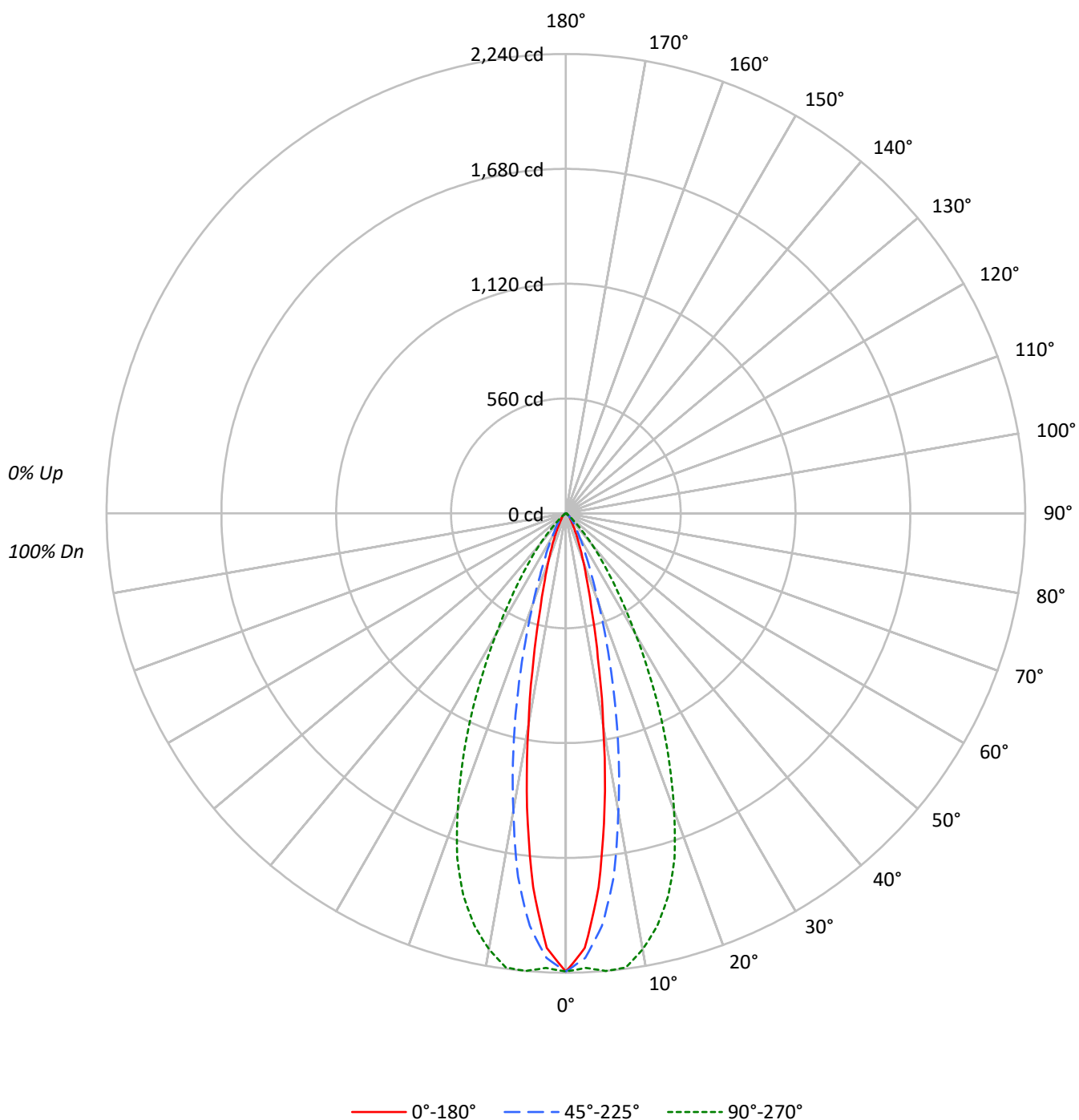
Lumens per Lamp: N/A
Luminaire Lumens: 803.0 lumens
Efficiency: N/A
Efficacy: 39.0 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 20.6
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°	1102170	1102170	1102170
5°	906152	999803	1109154
10°	525971	738784	1081350
15°	245065	460149	985471
20°	129104	242614	809956
25°	71529	131355	597386
30°	41929	76964	386360
35°	26922	51616	228928
40°	20996	34778	127198
45°	18210	20792	56585
50°	16425	14276	20723
55°	11182	10408	9634
60°	8288	7400	7400
65°	6537	5487	6537
70°	5337	5337	5337
75°	5337	5337	5337
80°	5398	5398	5398
85°	5095	5095	5095

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 56585 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.9	22.2
10°-20°	291.3	36.3
20°-30°	194.3	24.2
30°-40°	87.6	10.9
40°-50°	32.1	4.0
50°-60°	11.2	1.4
60°-70°	5.3	0.7
70°-80°	2.8	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°	663.4	82.6
0°-40°	751.0	93.5
0°-60°	794.2	98.9
0°-90°	803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	803.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2234	2234	2234	2234	2234	
5°	1830	1886	2019	2166	2240	149
15°	480	564	901	1522	1929	144
25°	131	153	241	658	1097	63
35°	45	50	86	185	380	30
45°	26	26	30	47	81	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°	2234.0	2234.0	2234.0	2234.0	2234.0
2.5°	2121.3	2143.6	2169.7	2196.7	2218.2
5°	1829.7	1886.5	2018.8	2166.0	2239.6
7.5°	1446.8	1530.6	1787.8	2078.4	2234.0
10°	1049.9	1157.1	1474.7	1926.6	2158.5
12.5°	722.0	822.6	1183.1	1734.7	2058.9
15°	479.8	563.6	900.9	1522.3	1929.4
17.5°	338.2	395.0	654.9	1290.3	1762.6
20°	245.9	284.1	462.1	1063.0	1542.7
22.5°	178.9	207.7	328.9	849.6	1320.1
25°	131.4	152.8	241.3	657.7	1097.4
27.5°	97.8	114.6	180.7	499.3	874.8
30°	73.6	87.6	135.1	368.0	678.2
32.5°	56.8	66.1	103.4	262.7	513.3
35°	44.7	50.3	85.7	185.4	380.1
37.5°	37.3	41.0	70.8	129.5	278.6
40°	32.6	35.4	54.0	92.2	197.5
42.5°	28.9	30.7	39.1	66.1	128.6
45°	26.1	26.1	29.8	46.6	81.1
47.5°	24.2	21.4	23.3	32.6	47.5
50°	21.4	17.7	18.6	22.4	27.0
52.5°	16.8	14.9	14.9	14.9	15.8
55°	13.0	12.1	12.1	10.2	11.2
57.5°	10.2	10.2	9.3	8.4	9.3
60°	8.4	8.4	7.5	6.5	7.5
62.5°	6.5	6.5	5.6	5.6	6.5
65°	5.6	5.6	4.7	4.7	5.6
67.5°	4.7	4.7	4.7	3.7	4.7
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°	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9
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)