

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: P1179957

Luminaire Tested: LDA2B209035R2050D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179957
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: LDA2B209035R2050D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

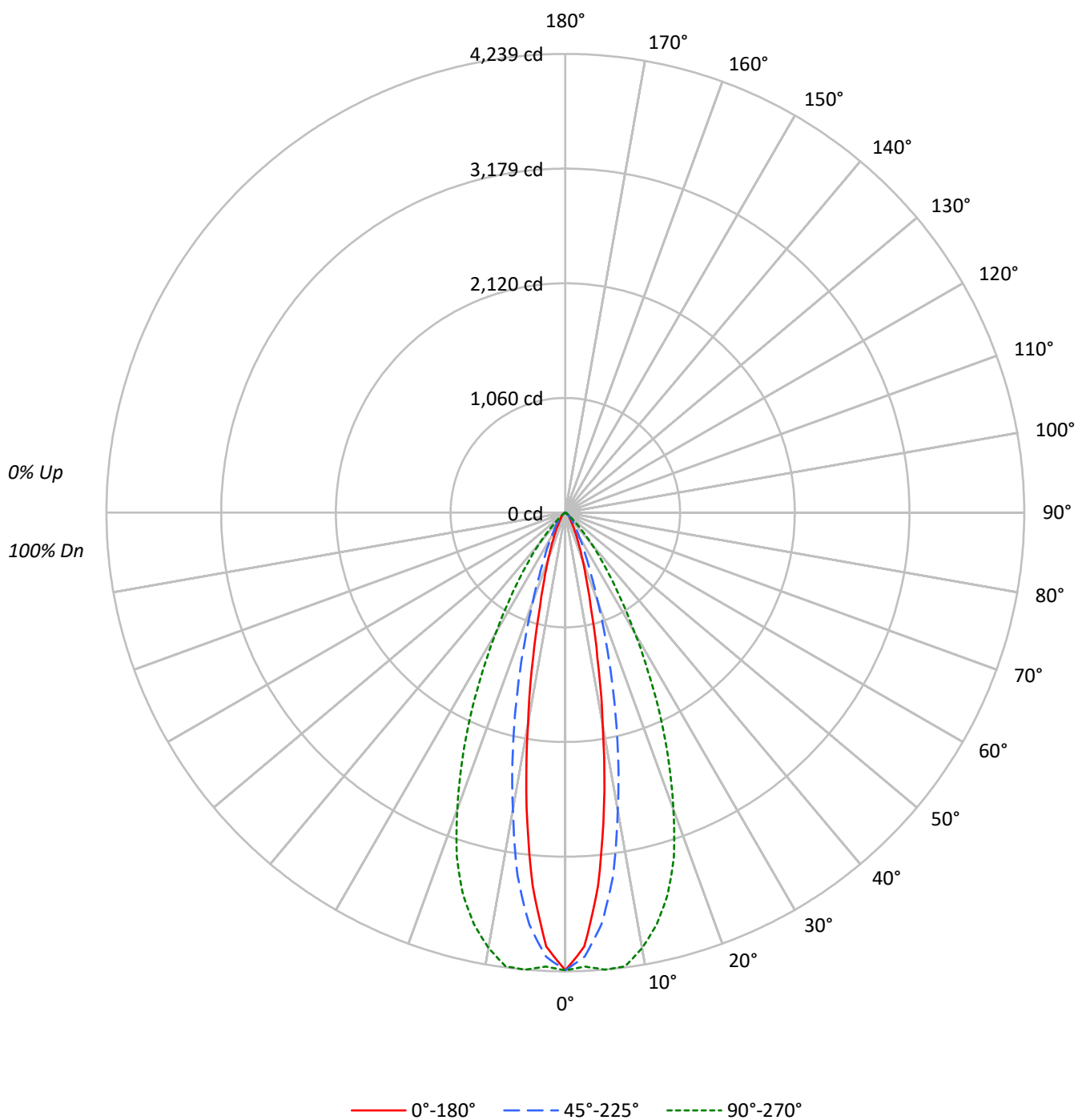
Lumens per Lamp: N/A
Luminaire Lumens: 1520.0 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	90	88	86	86	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	82	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	78	78	76
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	74	74	73
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	71	71	70
8	85	77	72	69	84	77	72	69	76	71	68	75	71	68	74	70	68	68	68	67
9	82	74	69	66	81	74	69	66	73	68	65	72	68	65	71	68	65	65	65	64
10	79	71	66	63	79	71	66	63	70	66	63	69	65	62	69	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2086082	2086082	2086082
5°	1715088	1892336	2099300
10°	995533	1398365	2046724
15°	463826	870907	1865214
20°	244399	459187	1533072
25°	135329	248611	1130700
30°	79357	145668	731305
35°	50953	97690	433283
40°	39737	65885	240741
45°	34467	39351	107030
50°	31162	27094	39221
55°	21246	19697	18235
60°	15689	13913	13913
65°	12374	10273	12374
70°	10242	10242	10242
75°	10103	10103	10103
80°	9944	9944	9944
85°	10189	10189	10189

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 107030 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.7	22.2
10°-20°	551.3	36.3
20°-30°	367.7	24.2
30°-40°	165.8	10.9
40°-50°	60.7	4.0
50°-60°	21.2	1.4
60°-70°	9.9	0.7
70°-80°	5.2	0.3
80°-90°	1.5	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°	1255.6	82.6
0°-40°	1421.4	93.5
0°-60°	1503.3	98.9
0°-90°	1520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1520.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4228	4228	4228	4228	4228	
5°	3463	3571	3821	4100	4239	283
15°	908	1067	1705	2881	3652	272
25°	249	289	457	1245	2077	120
35°	85	95	162	351	719	56
45°	49	49	56	88	153	39
55°	25	23	23	19	21	23
65°	11	11	9	9	11	11
75°	5	5	5	5	5	5
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4228.3	4228.3	4228.3	4228.3	4228.3
2.5°	4015.0	4057.3	4106.7	4157.8	4198.4
5°	3463.1	3570.6	3821.0	4099.6	4238.9
7.5°	2738.4	2897.1	3383.7	3933.9	4228.3
10°	1987.2	2190.0	2791.3	3646.5	4085.5
12.5°	1366.5	1557.0	2239.4	3283.2	3896.8
15°	908.1	1066.8	1705.1	2881.2	3651.8
17.5°	640.1	747.6	1239.6	2442.1	3336.1
20°	465.5	537.8	874.6	2011.9	2920.0
22.5°	338.5	393.2	622.4	1608.1	2498.6
25°	248.6	289.2	456.7	1244.9	2077.1
27.5°	185.1	216.9	342.1	945.1	1655.7
30°	139.3	165.7	255.7	696.5	1283.7
32.5°	107.6	125.2	195.7	497.2	971.6
35°	84.6	95.2	162.2	350.9	719.4
37.5°	70.5	77.6	134.0	245.1	527.2
40°	61.7	67.0	102.3	174.6	373.8
42.5°	54.7	58.2	74.1	125.2	243.3
45°	49.4	49.4	56.4	88.2	153.4
47.5°	45.8	40.6	44.1	61.7	89.9
50°	40.6	33.5	35.3	42.3	51.1
52.5°	31.7	28.2	28.2	28.2	30.0
55°	24.7	22.9	22.9	19.4	21.2
57.5°	19.4	19.4	17.6	15.9	17.6
60°	15.9	15.9	14.1	12.3	14.1
62.5°	12.3	12.3	10.6	10.6	12.3
65°	10.6	10.6	8.8	8.8	10.6
67.5°	8.8	8.8	8.8	7.1	8.8
70°	7.1	7.1	7.1	7.1	7.1
72.5°	5.3	5.3	7.1	5.3	5.3
75°	5.3	5.3	5.3	5.3	5.3
77.5°	3.5	3.5	3.5	3.5	3.5
80°	3.5	3.5	3.5	3.5	3.5
82.5°	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8
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)