

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: P1179841

Luminaire Tested: LDA2B209024R2050D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179841
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: LDA2B209024R2050D010 2LBDC1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

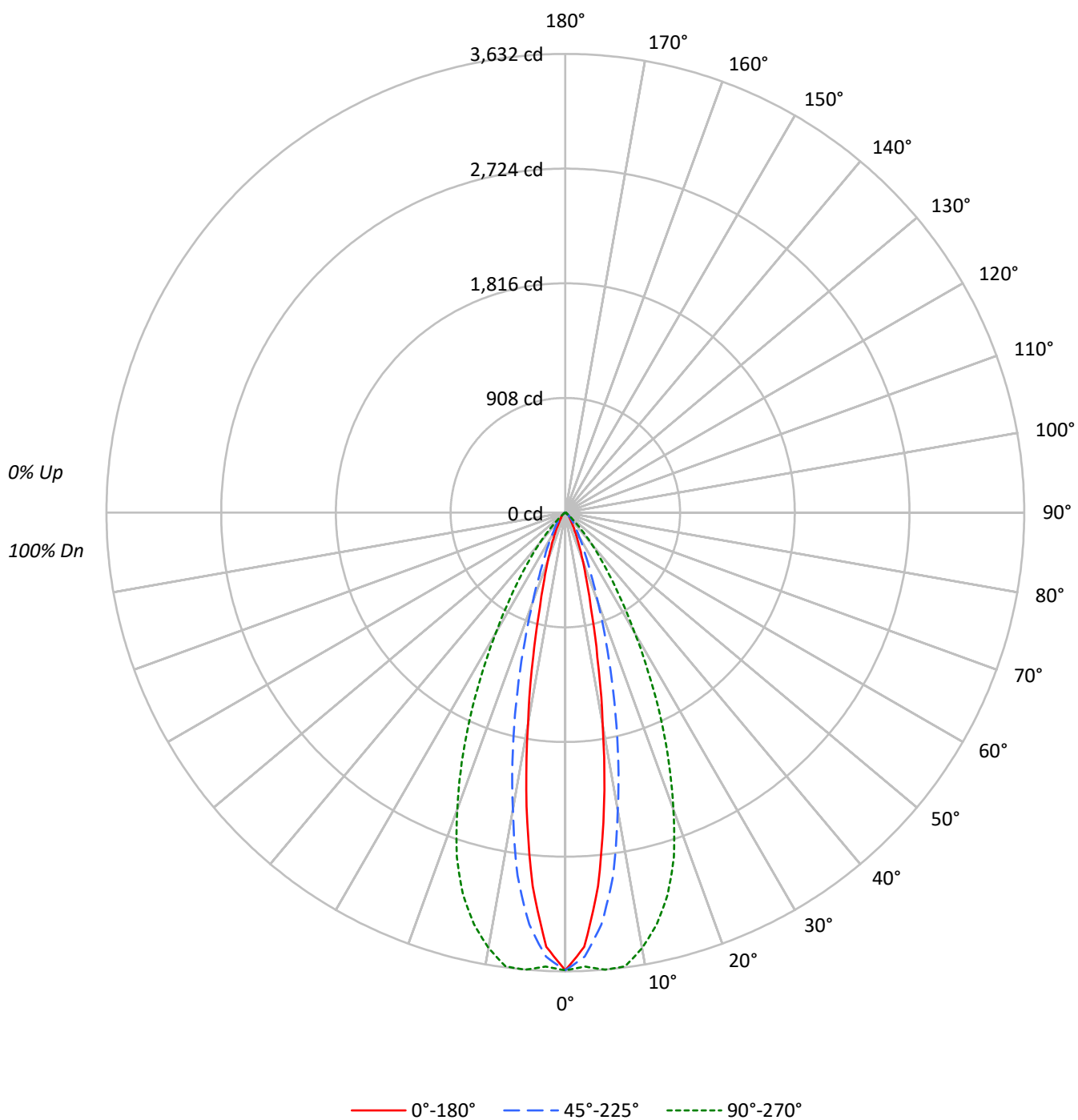
Lumens per Lamp: N/A
Luminaire Lumens: 1302.3 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1179841

CATALOG NUMBER: LDA2B209024R2050D010 2LBDC1MMS

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°	1787499	1787499	1787499
5°	1469594	1621486	1798834
10°	853056	1198176	1753755
15°	397427	746229	1598237
20°	209432	393453	1313612
25°	115950	213010	968860
30°	68020	124818	626597
35°	43666	83717	371248
40°	34070	56418	206285
45°	29514	33700	91680
50°	26710	23180	33618
55°	18235	16859	15569
60°	13419	11939	11939
65°	10623	8872	10623
70°	8655	8655	8655
75°	8578	8578	8578
80°	8523	8523	8523
85°	8491	8491	8491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 91680 cd/sqm

TEST NUMBER: P1179841

CATALOG NUMBER: LDA2B209024R2050D010 2LBDC1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.5	22.2
10°-20°	472.4	36.3
20°-30°	315.1	24.2
30°-40°	142.0	10.9
40°-50°	52.0	4.0
50°-60°	18.2	1.4
60°-70°	8.5	0.7
70°-80°	4.5	0.3
80°-90°	1.2	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°	1075.9	82.6
0°-40°	1218.0	93.5
0°-60°	1288.1	98.9
0°-90°	1302.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1302.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3623	3623	3623	3623	3623	
5°	2967	3060	3274	3513	3632	242
15°	778	914	1461	2469	3129	233
25°	213	248	391	1067	1780	103
35°	72	82	139	301	616	48
45°	42	42	48	76	131	33
55°	21	20	20	17	18	20
65°	9	9	8	8	9	9
75°	4	4	4	4	4	4
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°	3623.1	3623.1	3623.1	3623.1	3623.1
2.5°	3440.3	3476.6	3518.9	3562.7	3597.4
5°	2967.4	3059.6	3274.1	3512.8	3632.2
7.5°	2346.4	2482.4	2899.4	3370.8	3623.1
10°	1702.8	1876.5	2391.7	3124.5	3500.7
12.5°	1170.9	1334.1	1918.8	2813.3	3339.1
15°	778.1	914.1	1461.0	2468.8	3129.1
17.5°	548.5	640.6	1062.2	2092.6	2858.6
20°	398.9	460.8	749.4	1723.9	2502.0
22.5°	290.1	336.9	533.3	1377.9	2140.9
25°	213.0	247.8	391.3	1066.7	1779.8
27.5°	158.6	185.8	293.1	809.8	1418.7
30°	119.4	142.0	219.1	596.8	1099.9
32.5°	92.2	107.3	167.7	426.1	832.5
35°	72.5	81.6	139.0	300.7	616.4
37.5°	60.4	66.5	114.8	210.0	451.8
40°	52.9	57.4	87.6	149.6	320.3
42.5°	46.8	49.9	63.5	107.3	208.5
45°	42.3	42.3	48.3	75.5	131.4
47.5°	39.3	34.8	37.8	52.9	77.1
50°	34.8	28.7	30.2	36.3	43.8
52.5°	27.2	24.2	24.2	24.2	25.7
55°	21.2	19.6	19.6	16.6	18.1
57.5°	16.6	16.6	15.1	13.6	15.1
60°	13.6	13.6	12.1	10.6	12.1
62.5°	10.6	10.6	9.1	9.1	10.6
65°	9.1	9.1	7.6	7.6	9.1
67.5°	7.6	7.6	7.6	6.0	7.6
70°	6.0	6.0	6.0	6.0	6.0
72.5°	4.5	4.5	6.0	4.5	4.5
75°	4.5	4.5	4.5	4.5	4.5
77.5°	3.0	3.0	3.0	3.0	3.0
80°	3.0	3.0	3.0	3.0	3.0
82.5°	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	1.5	1.5
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)