

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: P1179996

Luminaire Tested: LDA2B209040R2050D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179996
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: LDA2B209040R2050D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

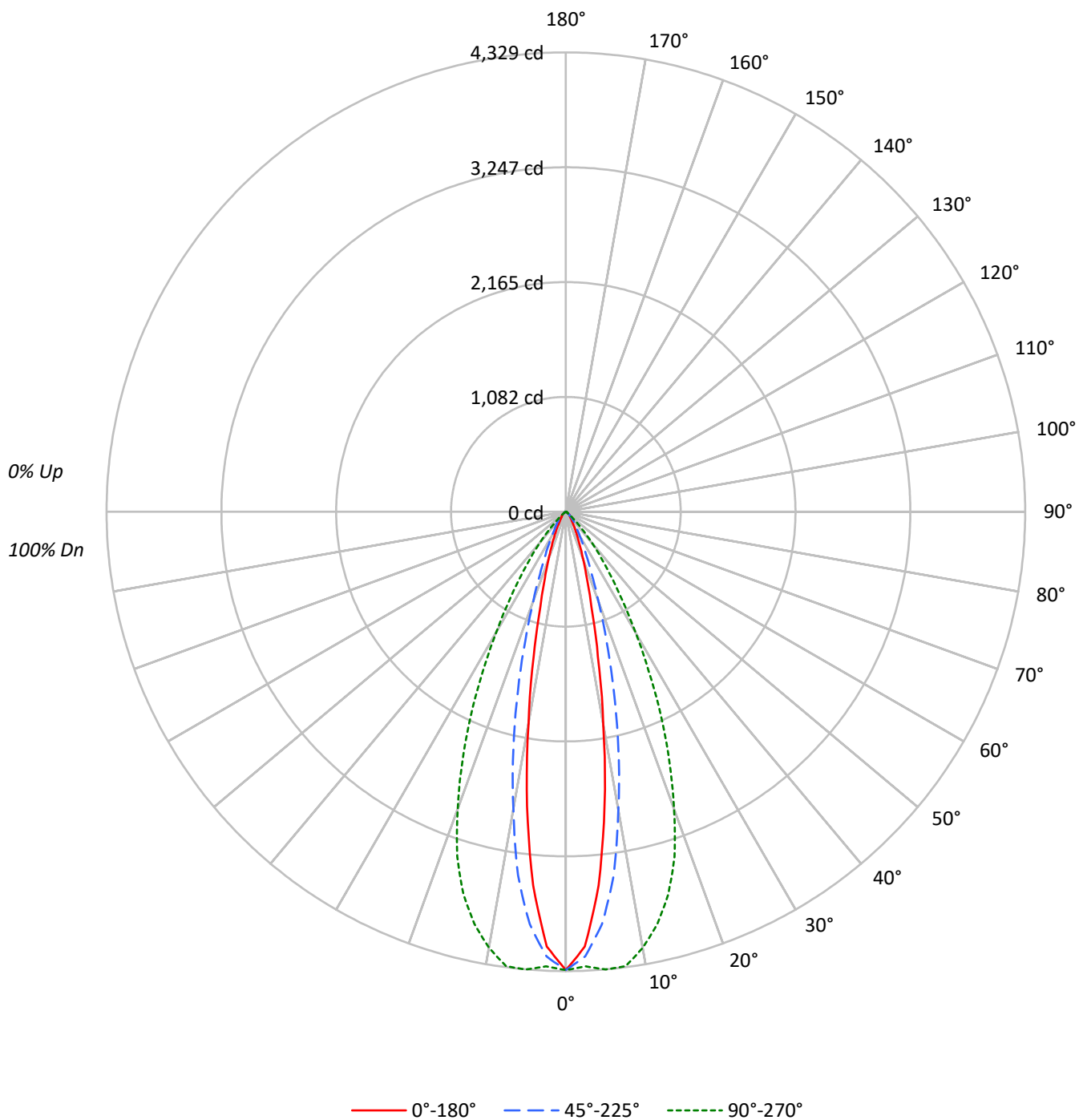
Lumens per Lamp: N/A
Luminaire Lumens: 1552.2 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	2130435	2130435	2130435
5°	1751538	1932600	2143921
10°	1016724	1428073	2090258
15°	473684	889396	1904850
20°	249597	468952	1565676
25°	138214	253892	1154760
30°	81066	148745	746857
35°	52037	99798	442498
40°	40574	67238	245894
45°	35165	40189	109333
50°	31776	27631	40065
55°	21676	20128	18579
60°	15985	14209	14209
65°	12608	10507	12608
70°	10386	10386	10386
75°	10293	10293	10293
80°	10228	10228	10228
85°	10189	10189	10189

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 109333 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.8	22.2
10°-20°	563.0	36.3
20°-30°	375.5	24.2
30°-40°	169.3	10.9
40°-50°	62.0	4.0
50°-60°	21.7	1.4
60°-70°	10.1	0.7
70°-80°	5.3	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°	1282.3	82.6
0°-40°	1451.6	93.5
0°-60°	1535.3	98.9
0°-90°	1552.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1552.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4318	4318	4318	4318	4318	
5°	3537	3647	3902	4187	4329	289
15°	927	1090	1741	2942	3729	278
25°	254	295	466	1271	2121	123
35°	86	97	166	358	735	57
45°	50	50	58	90	157	40
55°	25	23	23	20	22	24
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°	4318.2	4318.2	4318.2	4318.2	4318.2
2.5°	4100.3	4143.6	4194.0	4246.2	4287.6
5°	3536.7	3646.6	3902.3	4186.8	4329.0
7.5°	2796.6	2958.7	3455.7	4017.5	4318.2
10°	2029.5	2236.6	2850.6	3724.0	4172.4
12.5°	1395.6	1590.1	2287.0	3353.0	3979.7
15°	927.4	1089.5	1741.3	2942.5	3729.4
17.5°	653.7	763.5	1265.9	2494.1	3407.1
20°	475.4	549.2	893.2	2054.7	2982.1
22.5°	345.7	401.6	635.7	1642.3	2551.7
25°	253.9	295.3	466.4	1271.3	2121.3
27.5°	189.1	221.5	349.3	965.2	1690.9
30°	142.3	169.3	261.1	711.3	1311.0
32.5°	109.8	127.9	199.9	507.8	992.2
35°	86.4	97.2	165.7	358.4	734.7
37.5°	72.0	79.2	136.9	250.3	538.4
40°	63.0	68.4	104.4	178.3	381.8
42.5°	55.8	59.4	75.6	127.9	248.5
45°	50.4	50.4	57.6	90.0	156.7
47.5°	46.8	41.4	45.0	63.0	91.8
50°	41.4	34.2	36.0	43.2	52.2
52.5°	32.4	28.8	28.8	28.8	30.6
55°	25.2	23.4	23.4	19.8	21.6
57.5°	19.8	19.8	18.0	16.2	18.0
60°	16.2	16.2	14.4	12.6	14.4
62.5°	12.6	12.6	10.8	10.8	12.6
65°	10.8	10.8	9.0	9.0	10.8
67.5°	9.0	9.0	9.0	7.2	9.0
70°	7.2	7.2	7.2	7.2	7.2
72.5°	5.4	5.4	7.2	5.4	5.4
75°	5.4	5.4	5.4	5.4	5.4
77.5°	3.6	3.6	3.6	3.6	3.6
80°	3.6	3.6	3.6	3.6	3.6
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)