

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: P1179801

Luminaire Tested: LDA2B208050R2050D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179801
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: LDA2B208050R2050D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

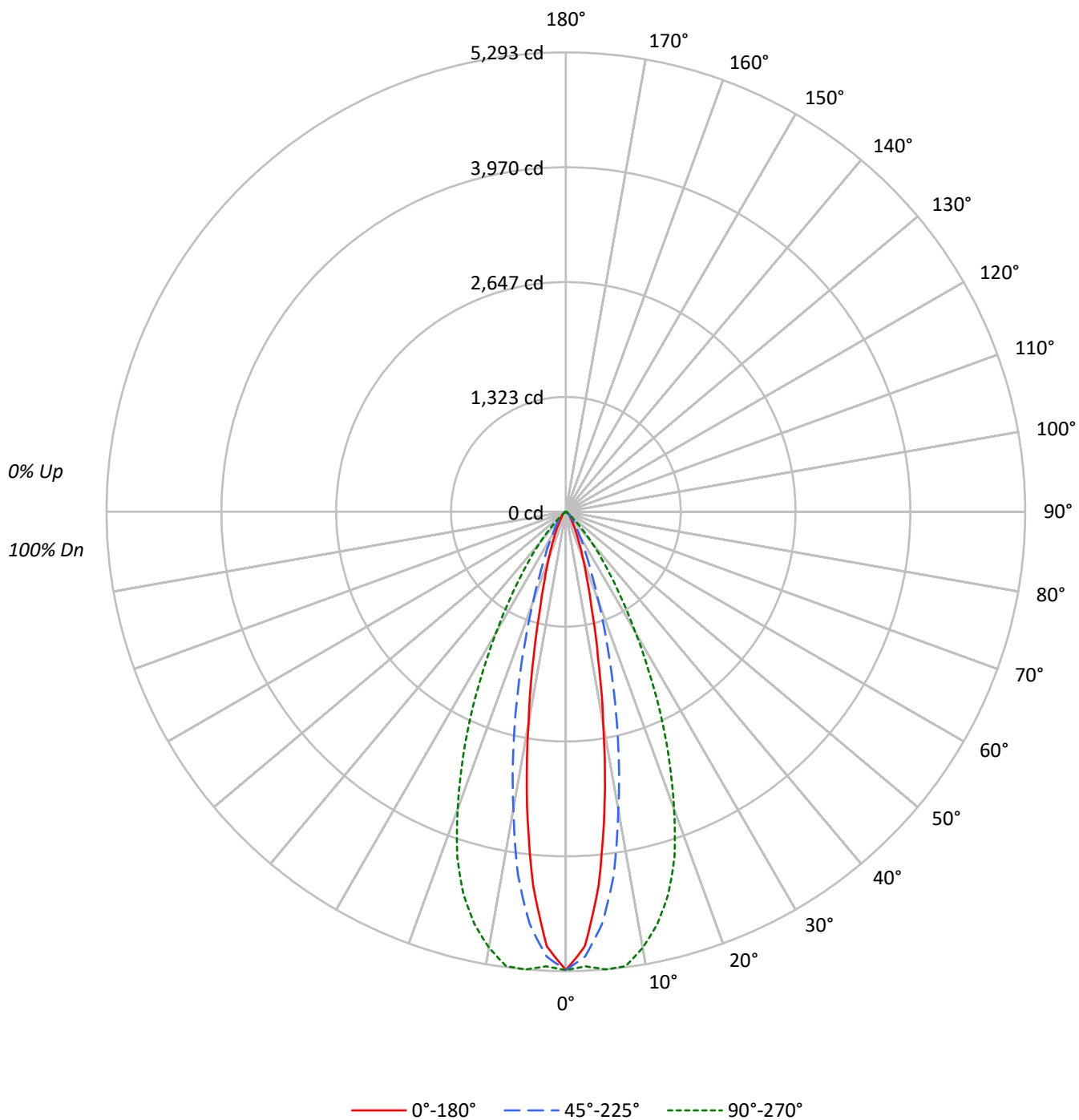
Lumens per Lamp: N/A
Luminaire Lumens: 1897.8 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2604753	2604753	2604753
5°	2141495	2362820	2621240
10°	1243064	1746040	2555612
15°	579157	1087420	2328938
20°	305144	573327	1914240
25°	168971	310397	1411864
30°	99068	181843	913091
35°	63661	122023	541031
40°	49655	82244	300637
45°	42979	49189	133613
50°	38837	33772	48969
55°	26493	24600	22708
60°	19537	17366	17366
65°	15410	12841	15410
70°	12694	12694	12694
75°	12581	12581	12581
80°	12501	12501	12501
85°	12454	12454	12454

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 133613 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.4	22.2
10°-20°	688.3	36.3
20°-30°	459.1	24.2
30°-40°	207.0	10.9
40°-50°	75.8	4.0
50°-60°	26.5	1.4
60°-70°	12.4	0.7
70°-80°	6.5	0.3
80°-90°	1.8	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°	1567.8	82.6
0°-40°	1774.8	93.5
0°-60°	1877.1	98.9
0°-90°	1897.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1897.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5280	5280	5280	5280	5280	
5°	4324	4458	4771	5119	5293	353
15°	1134	1332	2129	3598	4560	339
25°	310	361	570	1554	2594	150
35°	106	119	203	438	898	70
45°	62	62	70	110	192	48
55°	31	29	29	24	26	29
65°	13	13	11	11	13	13
75°	7	7	7	7	7	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5279.6	5279.6	5279.6	5279.6	5279.6
2.5°	5013.2	5066.1	5127.7	5191.6	5242.2
5°	4324.1	4458.4	4771.0	5118.9	5292.8
7.5°	3419.2	3617.4	4225.0	4911.9	5279.6
10°	2481.3	2734.5	3485.3	4553.1	5101.3
12.5°	1706.3	1944.1	2796.1	4099.5	4865.7
15°	1133.9	1332.0	2129.0	3597.5	4559.7
17.5°	799.2	933.5	1547.8	3049.3	4165.6
20°	581.2	671.5	1092.0	2512.1	3646.0
22.5°	422.7	491.0	777.2	2007.9	3119.8
25°	310.4	361.1	570.2	1554.4	2593.6
27.5°	231.2	270.8	427.1	1180.1	2067.4
30°	173.9	207.0	319.2	869.7	1602.8
32.5°	134.3	156.3	244.4	620.9	1213.1
35°	105.7	118.9	202.6	438.1	898.3
37.5°	88.1	96.9	167.3	306.0	658.3
40°	77.1	83.7	127.7	218.0	466.8
42.5°	68.3	72.7	92.5	156.3	303.8
45°	61.6	61.6	70.5	110.1	191.5
47.5°	57.2	50.6	55.0	77.1	112.3
50°	50.6	41.8	44.0	52.8	63.8
52.5°	39.6	35.2	35.2	35.2	37.4
55°	30.8	28.6	28.6	24.2	26.4
57.5°	24.2	24.2	22.0	19.8	22.0
60°	19.8	19.8	17.6	15.4	17.6
62.5°	15.4	15.4	13.2	13.2	15.4
65°	13.2	13.2	11.0	11.0	13.2
67.5°	11.0	11.0	11.0	8.8	11.0
70°	8.8	8.8	8.8	8.8	8.8
72.5°	6.6	6.6	8.8	6.6	6.6
75°	6.6	6.6	6.6	6.6	6.6
77.5°	4.4	4.4	4.4	4.4	4.4
80°	4.4	4.4	4.4	4.4	4.4
82.5°	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2
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)