

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: P1179788

Luminaire Tested: LDA2B208050R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B208050R2040D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

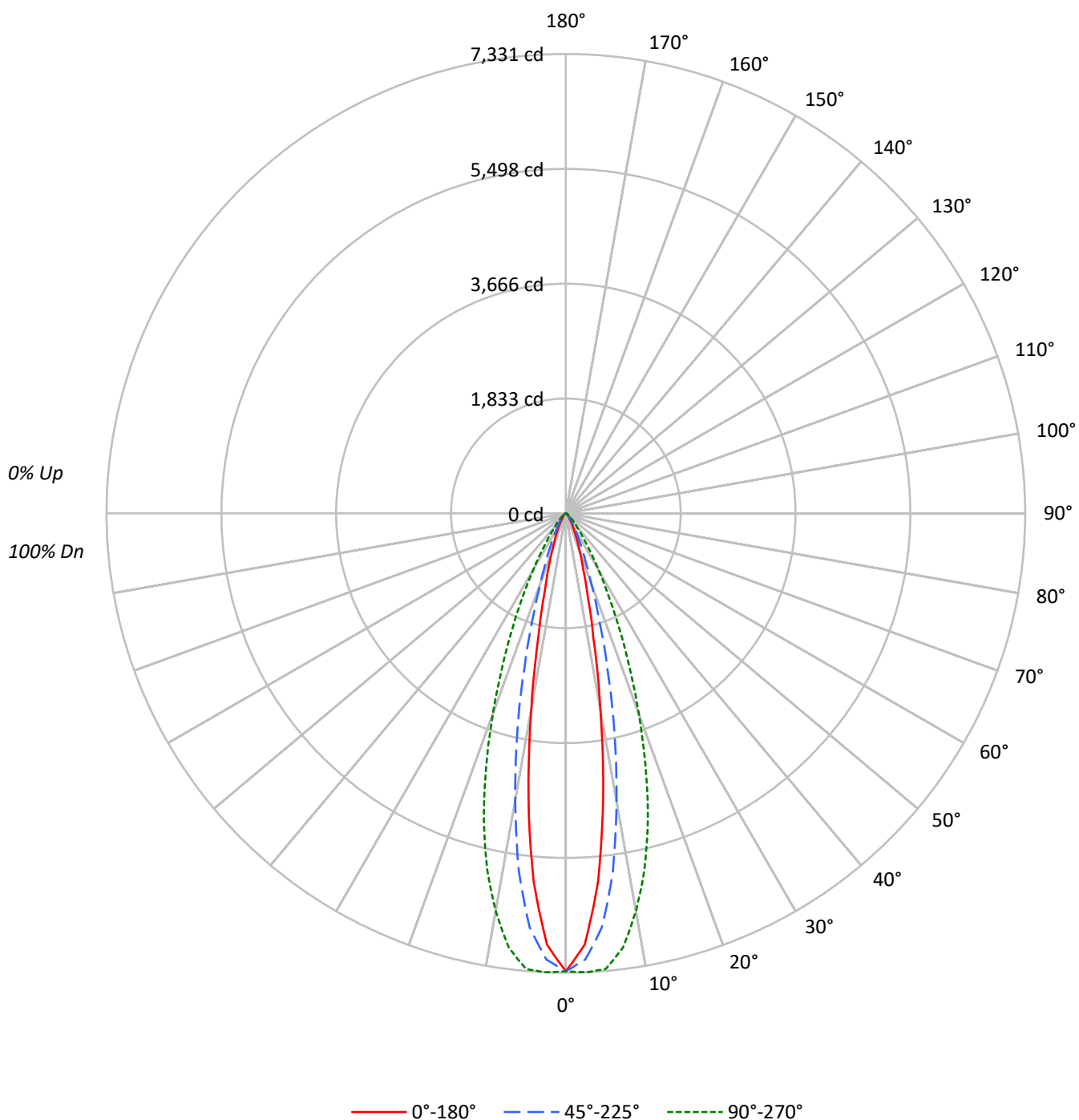
Lumens per Lamp: N/A
Luminaire Lumens: 2059.3 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91		94	92	89		92	90	88	87
4	102	95	91	88	100	94	90	87	92	89	86		90	87	85		89	86	84	83
5	98	91	86	83	97	90	86	83	89	85	82		87	84	81		86	83	81	79
6	94	87	83	79	93	87	82	79	85	81	78		84	80	78		83	80	77	76
7	91	84	79	76	90	83	79	75	82	78	75		81	77	75		80	77	74	73
8	88	81	76	73	87	80	76	72	79	75	72		78	75	72		77	74	72	70
9	85	78	73	70	84	77	73	70	76	72	70		76	72	69		75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67		73	70	67		73	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3604797	3604797	3604797
5°	2921953	3281799	3614159
10°	1588634	2330074	3227366
15°	671912	1307560	2583300
20°	342999	614856	1786239
25°	189929	314534	1088729
30°	106360	174722	593726
35°	61553	105761	302467
40°	45791	80118	167450
45°	40328	54283	99216
50°	42675	35844	52883
55°	30621	24858	28643
60°	19734	17564	17564
65°	15526	15526	15526
70°	12838	12838	12838
75°	12772	12772	12772
80°	12501	12501	12501
85°	12454	12454	12454

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 99216 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	569.3	27.6
10°-20°	805.1	39.1
20°-30°	414.7	20.1
30°-40°	152.6	7.4
40°-50°	67.0	3.3
50°-60°	29.4	1.4
60°-70°	12.9	0.6
70°-80°	6.4	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°	1789.1	86.9
0°-40°	1941.7	94.3
0°-60°	2038.2	99.0
0°-90°	2059.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2059.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7307	7307	7307	7307	7307	
5°	5900	6100	6627	7096	7298	475
15°	1316	1529	2560	4271	5058	402
25°	349	391	578	1327	2000	167
35°	102	118	176	307	502	69
45°	58	67	78	93	142	47
55°	36	31	29	31	33	33
65°	13	13	13	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°	7306.6	7306.6	7306.6	7306.6	7306.6
2.5°	6888.8	6971.1	7124.4	7271.1	7331.1
5°	5900.0	6100.0	6626.6	7095.5	7297.7
7.5°	4568.9	4897.7	5751.1	6628.8	6988.8
10°	3171.1	3504.4	4651.1	5913.3	6442.2
12.5°	2022.2	2346.6	3584.4	5120.0	5806.6
15°	1315.5	1528.9	2560.0	4271.1	5057.7
17.5°	913.3	1064.4	1742.2	3371.1	4228.9
20°	653.3	760.0	1171.1	2571.1	3402.2
22.5°	473.3	546.7	813.3	1877.8	2644.4
25°	348.9	391.1	577.8	1326.7	2000.0
27.5°	257.8	284.4	417.8	915.5	1462.2
30°	186.7	208.9	306.7	628.9	1042.2
32.5°	135.6	155.6	228.9	435.6	726.7
35°	102.2	117.8	175.6	306.7	502.2
37.5°	84.4	93.3	144.4	222.2	355.6
40°	71.1	80.0	124.4	164.4	260.0
42.5°	62.2	73.3	102.2	122.2	195.6
45°	57.8	66.7	77.8	93.3	142.2
47.5°	57.8	55.6	60.0	71.1	100.0
50°	55.6	46.7	46.7	55.6	68.9
52.5°	46.7	37.8	37.8	40.0	46.7
55°	35.6	31.1	28.9	31.1	33.3
57.5°	26.7	26.7	24.4	22.2	24.4
60°	20.0	20.0	17.8	17.8	17.8
62.5°	15.6	15.6	15.6	13.3	15.6
65°	13.3	13.3	13.3	11.1	13.3
67.5°	11.1	11.1	8.9	11.1	11.1
70°	8.9	8.9	8.9	8.9	8.9
72.5°	6.7	6.7	6.7	6.7	6.7
75°	6.7	6.7	6.7	6.7	6.7
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)