

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: P1179749

Luminaire Tested: LDA2B208040R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179749
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: LDA2B208040R2040D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

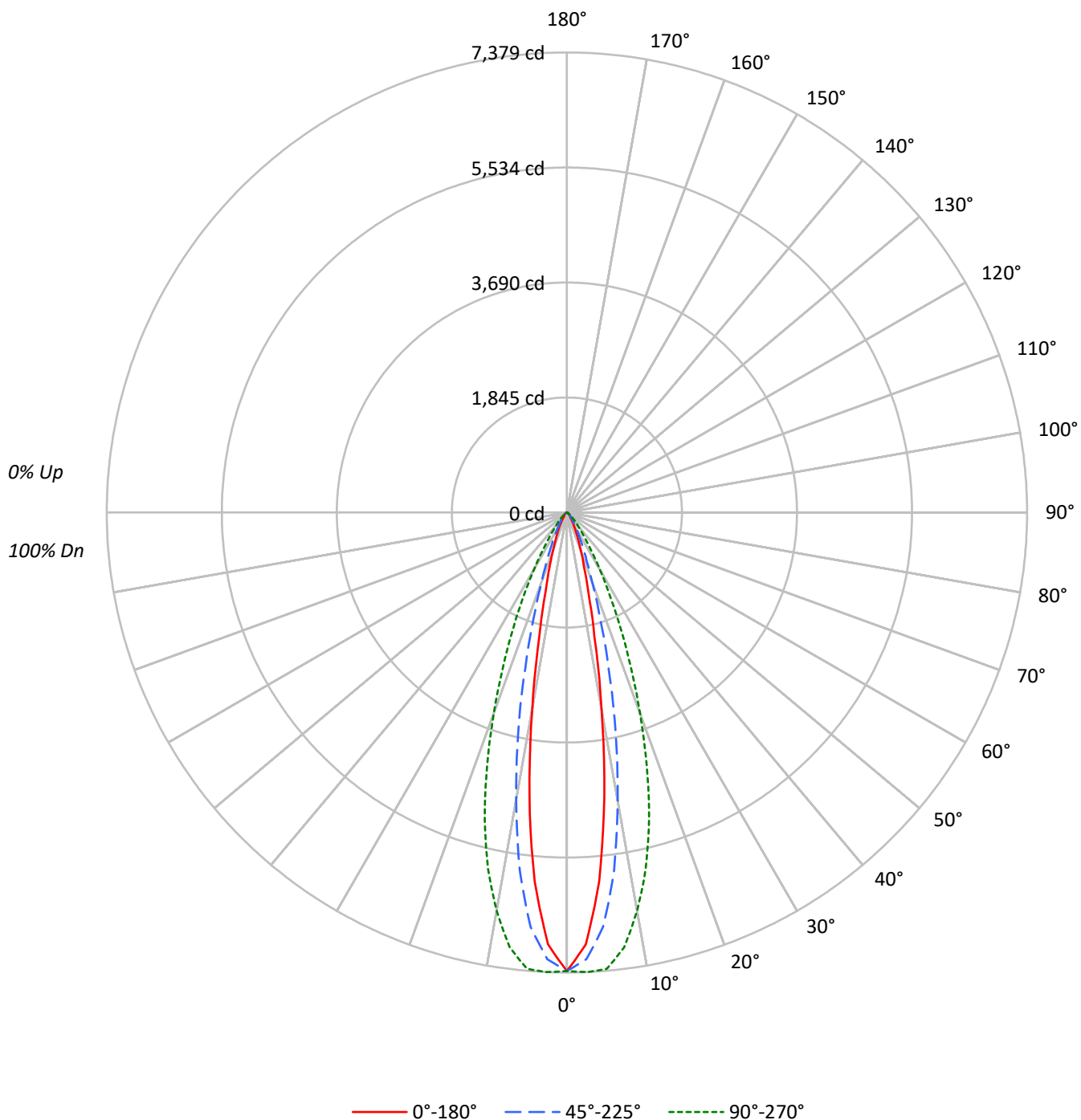
Lumens per Lamp: N/A
Luminaire Lumens: 2072.8 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	3628479	3628479	3628479
5°	2941119	3303343	3637882
10°	1599055	2345354	3248507
15°	676356	1316141	2600257
20°	345256	618899	1797947
25°	191181	316602	1095860
30°	107044	175862	597657
35°	61975	106424	304454
40°	46113	80698	168545
45°	40607	54631	99913
50°	42905	36074	53190
55°	30793	25030	28901
60°	19833	17662	17662
65°	15643	15643	15643
70°	12838	12838	12838
75°	12772	12772	12772
80°	12785	12785	12785
85°	12454	12454	12454

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 99913 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	573.1	27.6
10°-20°	810.3	39.1
20°-30°	417.5	20.1
30°-40°	153.6	7.4
40°-50°	67.5	3.3
50°-60°	29.6	1.4
60°-70°	12.9	0.6
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°	1800.9	86.9
0°-40°	1954.5	94.3
0°-60°	2051.5	99.0
0°-90°	2072.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2072.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7355	7355	7355	7355	7355	
5°	5939	6140	6670	7142	7346	478
15°	1324	1539	2577	4299	5091	405
25°	351	394	582	1335	2013	169
35°	103	118	177	309	506	70
45°	58	67	78	94	143	47
55°	36	31	29	31	34	33
65°	13	13	13	11	13	14
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°	7354.6	7354.6	7354.6	7354.6	7354.6
2.5°	6934.0	7016.8	7171.1	7318.8	7379.2
5°	5938.7	6140.0	6670.1	7142.1	7345.6
7.5°	4598.8	4929.9	5788.8	6672.3	7034.7
10°	3191.9	3527.4	4681.6	5952.1	6484.4
12.5°	2035.5	2362.0	3607.9	5153.6	5844.7
15°	1324.2	1538.9	2576.8	4299.1	5090.9
17.5°	919.3	1071.4	1753.6	3393.2	4256.6
20°	657.6	765.0	1178.8	2588.0	3424.5
22.5°	476.4	550.2	818.7	1890.1	2661.8
25°	351.2	393.7	581.6	1335.4	2013.1
27.5°	259.5	286.3	420.5	921.6	1471.8
30°	187.9	210.3	308.7	633.0	1049.1
32.5°	136.4	156.6	230.4	438.4	731.4
35°	102.9	118.5	176.7	308.7	505.5
37.5°	85.0	93.9	145.4	223.7	357.9
40°	71.6	80.5	125.3	165.5	261.7
42.5°	62.6	73.8	102.9	123.0	196.8
45°	58.2	67.1	78.3	93.9	143.2
47.5°	58.2	55.9	60.4	71.6	100.7
50°	55.9	47.0	47.0	55.9	69.3
52.5°	47.0	38.0	38.0	40.3	47.0
55°	35.8	31.3	29.1	31.3	33.6
57.5°	26.8	26.8	24.6	22.4	24.6
60°	20.1	20.1	17.9	17.9	17.9
62.5°	15.7	15.7	15.7	13.4	15.7
65°	13.4	13.4	13.4	11.2	13.4
67.5°	11.2	11.2	8.9	11.2	11.2
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°	4.5	4.5	4.5	4.5	4.5
80°	4.5	4.5	4.5	4.5	4.5
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)