

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: P1179906

Luminaire Tested: LDA2B209030R2040D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179906
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: LDA2B209030R2040D010 2LBDC1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

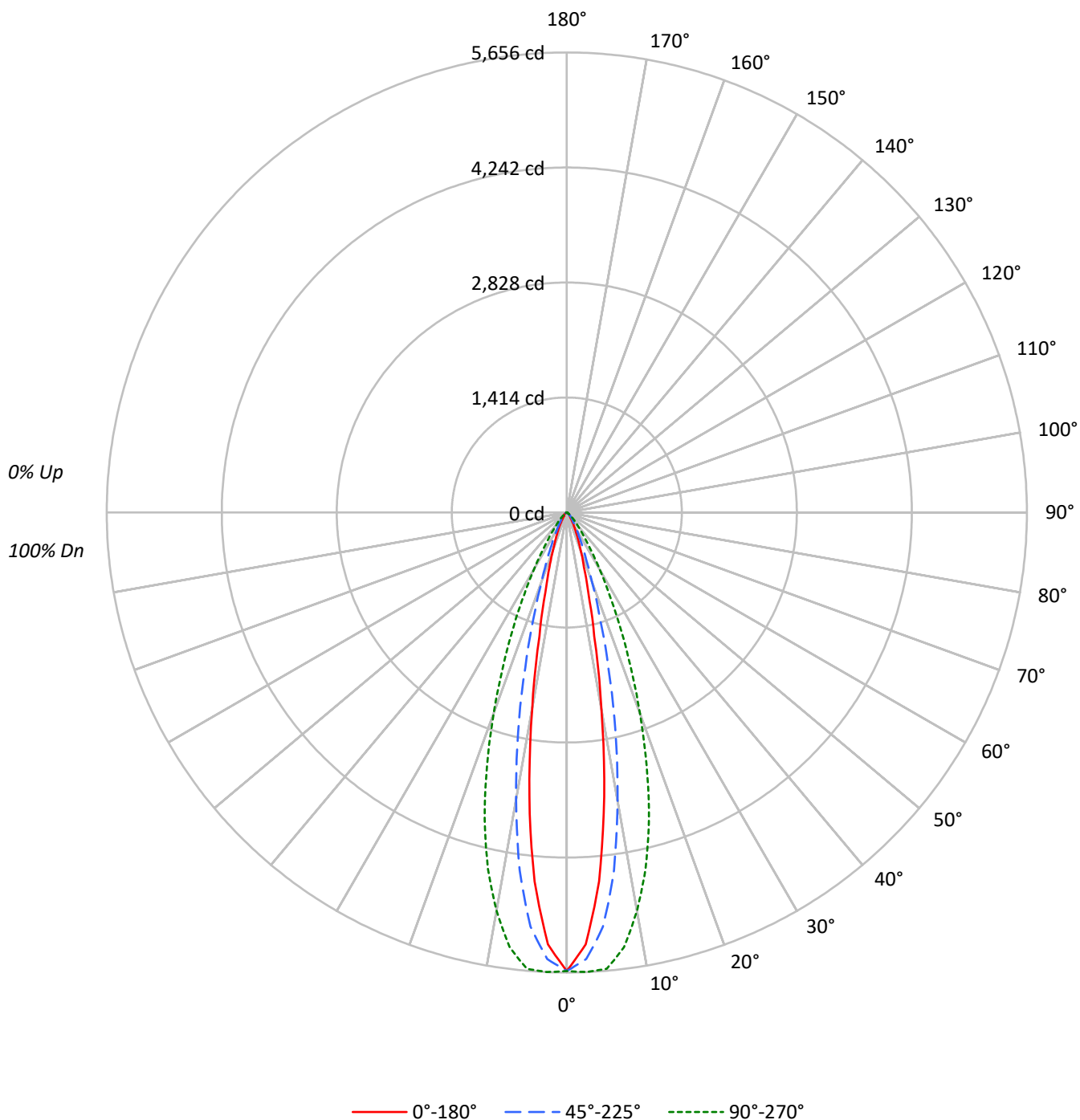
Lumens per Lamp: N/A
Luminaire Lumens: 1588.6 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	2780883	2780883	2780883
5°	2254114	2531699	2788088
10°	1225529	1797490	2489684
15°	518376	1008711	1992855
20°	264612	474307	1377980
25°	146488	242623	839900
30°	82035	134787	458027
35°	47520	81549	233325
40°	35358	61828	129194
45°	31118	41863	76540
50°	32927	27631	40756
55°	23568	19181	22106
60°	15196	13518	13518
65°	12024	12024	12024
70°	9953	9953	9953
75°	9722	9722	9722
80°	9660	9660	9660
85°	9623	9623	9623

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 76540 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.2	27.6
10°-20°	621.1	39.1
20°-30°	319.9	20.1
30°-40°	117.7	7.4
40°-50°	51.7	3.3
50°-60°	22.7	1.4
60°-70°	9.9	0.6
70°-80°	4.9	0.3
80°-90°	1.4	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°	1380.2	86.9
0°-40°	1497.9	94.3
0°-60°	1572.3	99.0
0°-90°	1588.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1588.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5637	5637	5637	5637	5637	
5°	4552	4706	5112	5474	5630	366
15°	1015	1179	1975	3295	3902	310
25°	269	302	446	1023	1543	129
35°	79	91	135	237	387	54
45°	45	51	60	72	110	36
55°	27	24	22	24	26	25
65°	10	10	10	9	10	10
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°	5636.6	5636.6	5636.6	5636.6	5636.6
2.5°	5314.3	5377.7	5496.0	5609.2	5655.5
5°	4551.5	4705.7	5112.0	5473.7	5629.7
7.5°	3524.6	3778.3	4436.6	5113.7	5391.5
10°	2446.3	2703.4	3588.0	4561.7	4969.7
12.5°	1560.0	1810.3	2765.2	3949.7	4479.5
15°	1014.9	1179.4	1974.9	3294.9	3901.7
17.5°	704.6	821.1	1344.0	2600.6	3262.3
20°	504.0	586.3	903.4	1983.4	2624.6
22.5°	365.1	421.7	627.4	1448.6	2040.0
25°	269.1	301.7	445.7	1023.4	1542.9
27.5°	198.9	219.4	322.3	706.3	1128.0
30°	144.0	161.1	236.6	485.1	804.0
32.5°	104.6	120.0	176.6	336.0	560.6
35°	78.9	90.9	135.4	236.6	387.4
37.5°	65.1	72.0	111.4	171.4	274.3
40°	54.9	61.7	96.0	126.9	200.6
42.5°	48.0	56.6	78.9	94.3	150.9
45°	44.6	51.4	60.0	72.0	109.7
47.5°	44.6	42.9	46.3	54.9	77.1
50°	42.9	36.0	36.0	42.9	53.1
52.5°	36.0	29.1	29.1	30.9	36.0
55°	27.4	24.0	22.3	24.0	25.7
57.5°	20.6	20.6	18.9	17.1	18.9
60°	15.4	15.4	13.7	13.7	13.7
62.5°	12.0	12.0	12.0	10.3	12.0
65°	10.3	10.3	10.3	8.6	10.3
67.5°	8.6	8.6	6.9	8.6	8.6
70°	6.9	6.9	6.9	6.9	6.9
72.5°	5.1	5.1	5.1	5.1	5.1
75°	5.1	5.1	5.1	5.1	5.1
77.5°	3.4	3.4	3.4	3.4	3.4
80°	3.4	3.4	3.4	3.4	3.4
82.5°	1.7	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7
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)