

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: P1180023

Luminaire Tested: LDA2B209050R2040D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180023
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: LDA2B209050R2040D010 2LBDC1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

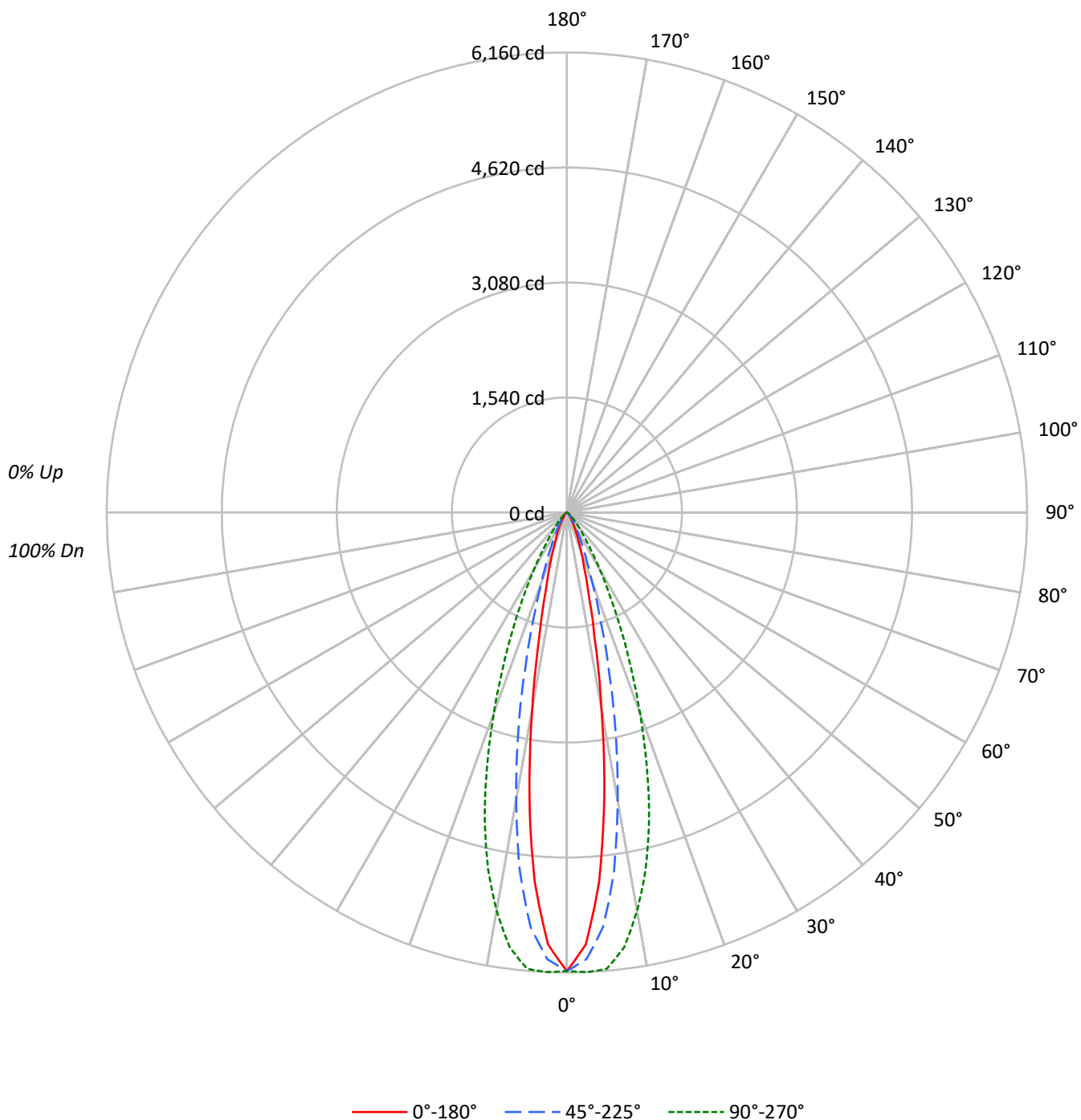
Lumens per Lamp: N/A
Luminaire Lumens: 1730.4 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	3029044	3029044	3029044
5°	2455233	2757631	3036950
10°	1334892	1957901	2711915
15°	564600	1098708	2170703
20°	288239	516677	1500940
25°	159608	264289	914859
30°	89384	146808	498930
35°	51736	88837	254164
40°	38513	67366	140722
45°	33839	45631	83377
50°	35844	30087	44440
55°	25718	20902	24084
60°	16577	14702	14702
65°	13075	13075	13075
70°	10819	10819	10819
75°	10675	10675	10675
80°	10512	10512	10512
85°	10755	10755	10755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 83377 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.4	27.6
10°-20°	676.5	39.1
20°-30°	348.5	20.1
30°-40°	128.2	7.4
40°-50°	56.3	3.3
50°-60°	24.7	1.4
60°-70°	10.8	0.6
70°-80°	5.4	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°	1503.4	86.9
0°-40°	1631.6	94.3
0°-60°	1712.6	99.0
0°-90°	1730.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1730.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6140	6140	6140	6140	6140	
5°	4958	5126	5568	5962	6132	399
15°	1105	1285	2151	3589	4250	338
25°	293	329	486	1115	1681	141
35°	86	99	148	258	422	58
45°	48	56	65	78	120	39
55°	30	26	24	26	28	27
65°	11	11	11	9	11	11
75°	6	6	6	6	6	5
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°	6139.6	6139.6	6139.6	6139.6	6139.6
2.5°	5788.6	5857.7	5986.5	6109.8	6160.2
5°	4957.6	5125.7	5568.2	5962.2	6132.2
7.5°	3839.1	4115.5	4832.5	5570.1	5872.6
10°	2664.6	2944.7	3908.2	4968.8	5413.3
12.5°	1699.2	1971.9	3011.9	4302.2	4879.2
15°	1105.4	1284.7	2151.1	3588.9	4249.9
17.5°	767.5	894.4	1464.0	2832.7	3553.4
20°	549.0	638.6	984.1	2160.4	2858.8
22.5°	397.7	459.4	683.4	1577.9	2222.1
25°	293.2	328.6	485.5	1114.8	1680.6
27.5°	216.6	239.0	351.0	769.3	1228.7
30°	156.9	175.5	257.7	528.4	875.8
32.5°	113.9	130.7	192.3	366.0	610.6
35°	85.9	99.0	147.5	257.7	422.0
37.5°	71.0	78.4	121.4	186.7	298.8
40°	59.8	67.2	104.6	138.2	218.5
42.5°	52.3	61.6	85.9	102.7	164.3
45°	48.5	56.0	65.4	78.4	119.5
47.5°	48.5	46.7	50.4	59.8	84.0
50°	46.7	39.2	39.2	46.7	57.9
52.5°	39.2	31.7	31.7	33.6	39.2
55°	29.9	26.1	24.3	26.1	28.0
57.5°	22.4	22.4	20.5	18.7	20.5
60°	16.8	16.8	14.9	14.9	14.9
62.5°	13.1	13.1	13.1	11.2	13.1
65°	11.2	11.2	11.2	9.3	11.2
67.5°	9.3	9.3	7.5	9.3	9.3
70°	7.5	7.5	7.5	7.5	7.5
72.5°	5.6	5.6	5.6	5.6	5.6
75°	5.6	5.6	5.6	5.6	5.6
77.5°	3.7	3.7	3.7	3.7	3.7
80°	3.7	3.7	3.7	3.7	3.7
82.5°	1.9	1.9	1.9	1.9	1.9
85°	1.9	1.9	1.9	1.9	1.9
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)