

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: P1180037

Luminaire Tested: LDA2B209050R2050D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180037
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: LDA2B209050R2050D010 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

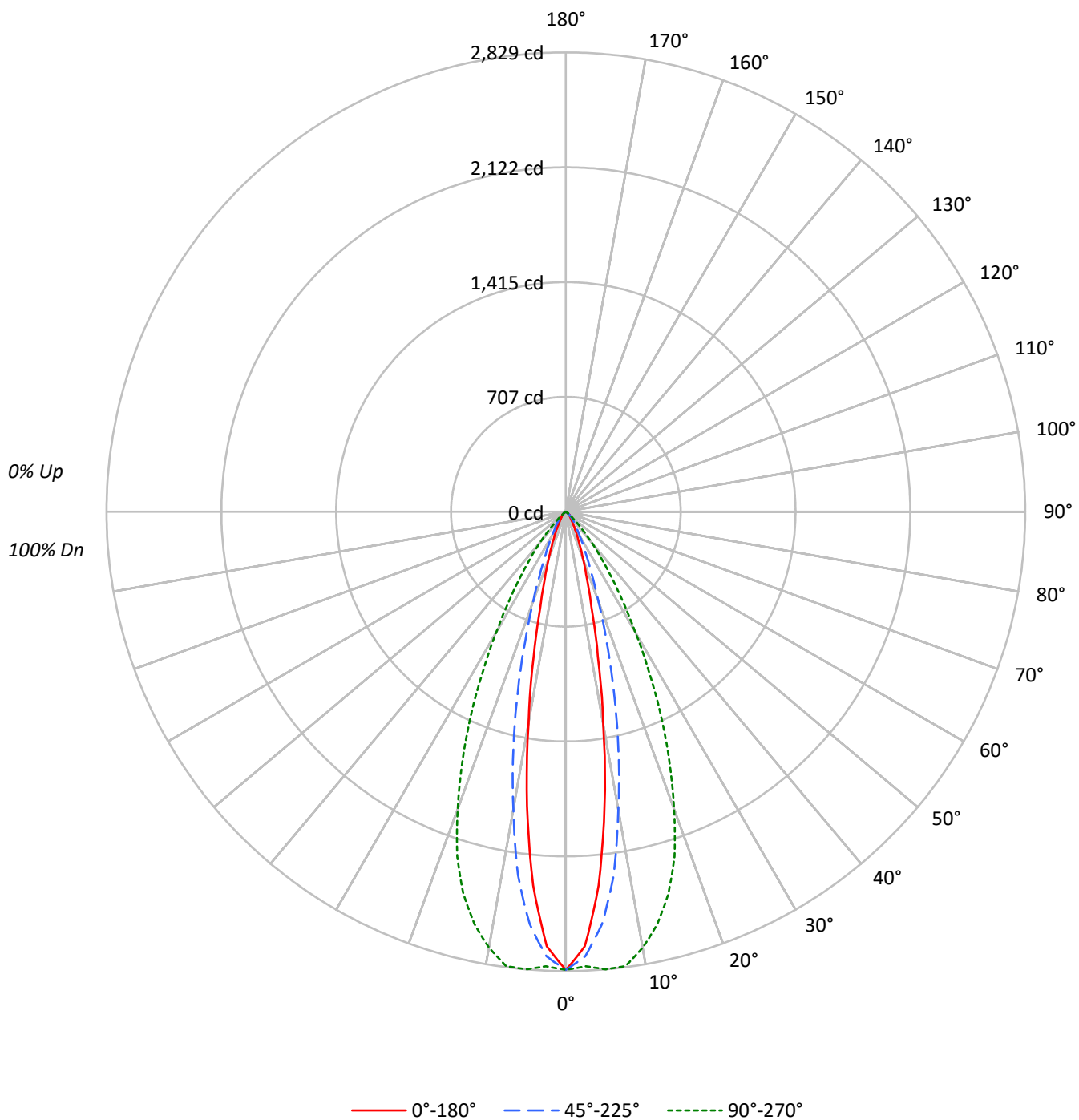
Lumens per Lamp: N/A
Luminaire Lumens: 1014.2 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1392020	1392020	1392020
5°	1144465	1262730	1400854
10°	664290	933112	1365752
15°	309524	581149	1244634
20°	163073	306404	1023011
25°	90310	165868	754489
30°	52981	97188	487992
35°	34029	65167	289156
40°	26534	43923	160623
45°	22955	26304	71446
50°	20800	18037	26173
55°	14192	13160	12128
60°	10459	9275	9275
65°	8288	6888	8288
70°	6780	6780	6780
75°	6672	6672	6672
80°	6819	6819	6819
85°	6793	6793	6793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 71446 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.7	22.1
10°-20°	367.8	36.3
20°-30°	245.4	24.2
30°-40°	110.6	10.9
40°-50°	40.5	4.0
50°-60°	14.2	1.4
60°-70°	6.6	0.7
70°-80°	3.5	0.3
80°-90°	1.0	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°	837.9	82.6
0°-40°	948.5	93.5
0°-60°	1003.1	98.9
0°-90°	1014.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1014.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2822	2822	2822	2822	2822	
5°	2311	2383	2550	2736	2829	189
15°	606	712	1138	1923	2437	181
25°	166	193	305	831	1386	80
35°	56	64	108	234	480	37
45°	33	33	38	59	102	26
55°	16	15	15	13	14	15
65°	7	7	6	6	7	7
75°	4	4	4	4	4	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2821.5	2821.5	2821.5	2821.5	2821.5
2.5°	2679.1	2707.4	2740.3	2774.4	2801.5
5°	2310.9	2382.6	2549.7	2735.6	2828.6
7.5°	1827.3	1933.2	2257.9	2625.0	2821.5
10°	1326.0	1461.4	1862.6	2433.2	2726.2
12.5°	911.9	1038.9	1494.3	2190.8	2600.3
15°	606.0	711.8	1137.8	1922.6	2436.8
17.5°	427.1	498.9	827.2	1629.6	2226.1
20°	310.6	358.9	583.6	1342.5	1948.5
22.5°	225.9	262.4	415.3	1073.1	1667.3
25°	165.9	193.0	304.7	830.7	1386.0
27.5°	123.5	144.7	228.3	630.7	1104.8
30°	93.0	110.6	170.6	464.8	856.6
32.5°	71.8	83.5	130.6	331.8	648.3
35°	56.5	63.5	108.2	234.1	480.1
37.5°	47.1	51.8	89.4	163.5	351.8
40°	41.2	44.7	68.2	116.5	249.4
42.5°	36.5	38.8	49.4	83.5	162.4
45°	32.9	32.9	37.7	58.8	102.4
47.5°	30.6	27.1	29.4	41.2	60.0
50°	27.1	22.4	23.5	28.2	34.1
52.5°	21.2	18.8	18.8	18.8	20.0
55°	16.5	15.3	15.3	12.9	14.1
57.5°	12.9	12.9	11.8	10.6	11.8
60°	10.6	10.6	9.4	8.2	9.4
62.5°	8.2	8.2	7.1	7.1	8.2
65°	7.1	7.1	5.9	5.9	7.1
67.5°	5.9	5.9	5.9	4.7	5.9
70°	4.7	4.7	4.7	4.7	4.7
72.5°	3.5	3.5	4.7	3.5	3.5
75°	3.5	3.5	3.5	3.5	3.5
77.5°	2.4	2.4	2.4	2.4	2.4
80°	2.4	2.4	2.4	2.4	2.4
82.5°	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2
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)