

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: P1179868

Luminaire Tested: LDA2B209027R2040D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179868
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: LDA2B209027R2040D010 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

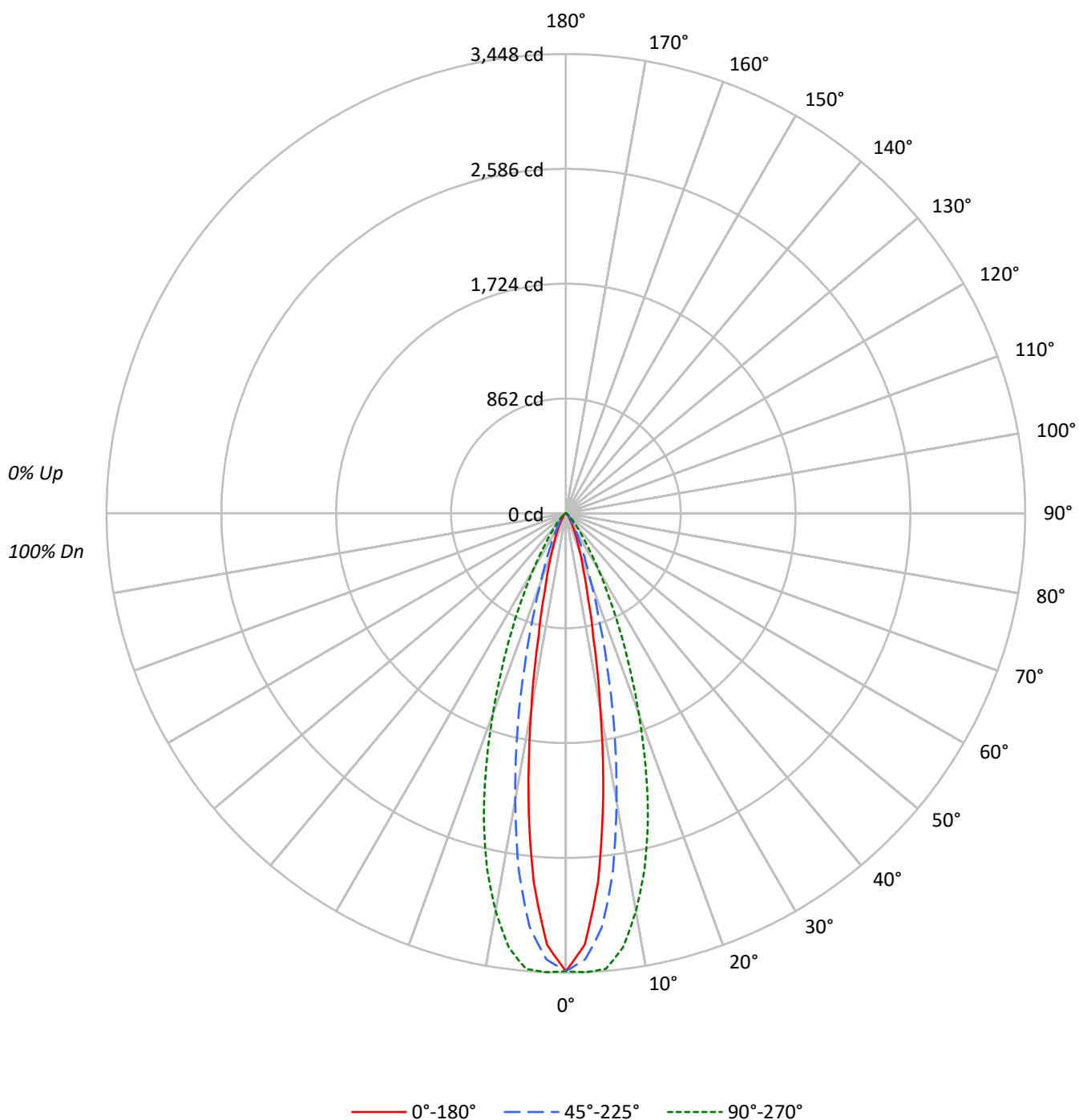
Lumens per Lamp: N/A
Luminaire Lumens: 968.4 lumens
Efficiency: N/A
Efficacy: 47.0 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	95	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°	1695240	1695240	1695240
5°	1374111	1543336	1699636
10°	747101	1095778	1517747
15°	316011	614911	1214856
20°	161288	289131	839987
25°	89330	147904	511975
30°	50018	82149	279203
35°	28970	49749	142259
40°	21511	37676	78766
45°	18978	25537	46677
50°	20033	16809	24868
55°	14365	11698	13504
60°	9275	8288	8288
65°	7355	7355	7355
70°	6058	6058	6058
75°	5909	5909	5909
80°	5966	5966	5966
85°	5661	5661	5661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 46677 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.7	27.6
10°-20°	378.6	39.1
20°-30°	195.0	20.1
30°-40°	71.8	7.4
40°-50°	31.5	3.3
50°-60°	13.8	1.4
60°-70°	6.1	0.6
70°-80°	3.0	0.3
80°-90°	0.8	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°	841.4	86.9
0°-40°	913.1	94.3
0°-60°	958.5	99.0
0°-90°	968.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	968.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3436	3436	3436	3436	3436	
5°	2775	2869	3116	3337	3432	223
15°	619	719	1204	2009	2378	189
25°	164	184	272	624	940	79
35°	48	55	83	144	236	33
45°	27	31	37	44	67	22
55°	17	15	14	15	16	15
65°	6	6	6	5	6	6
75°	3	3	3	3	3	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°	3436.1	3436.1	3436.1	3436.1	3436.1
2.5°	3239.6	3278.3	3350.4	3419.4	3447.6
5°	2774.6	2868.6	3116.3	3336.8	3431.9
7.5°	2148.6	2303.3	2704.5	3117.3	3286.6
10°	1491.3	1648.0	2187.3	2780.8	3029.6
12.5°	951.0	1103.6	1685.6	2407.8	2730.7
15°	618.7	719.0	1203.9	2008.6	2378.5
17.5°	429.5	500.6	819.3	1585.3	1988.7
20°	307.2	357.4	550.7	1209.1	1599.9
22.5°	222.6	257.1	382.5	883.1	1243.6
25°	164.1	183.9	271.7	623.9	940.5
27.5°	121.2	133.8	196.5	430.6	687.6
30°	87.8	98.2	144.2	295.7	490.1
32.5°	63.7	73.2	107.6	204.8	341.7
35°	48.1	55.4	82.6	144.2	236.2
37.5°	39.7	43.9	67.9	104.5	167.2
40°	33.4	37.6	58.5	77.3	122.3
42.5°	29.3	34.5	48.1	57.5	92.0
45°	27.2	31.4	36.6	43.9	66.9
47.5°	27.2	26.1	28.2	33.4	47.0
50°	26.1	21.9	21.9	26.1	32.4
52.5°	21.9	17.8	17.8	18.8	21.9
55°	16.7	14.6	13.6	14.6	15.7
57.5°	12.5	12.5	11.5	10.5	11.5
60°	9.4	9.4	8.4	8.4	8.4
62.5°	7.3	7.3	7.3	6.3	7.3
65°	6.3	6.3	6.3	5.2	6.3
67.5°	5.2	5.2	4.2	5.2	5.2
70°	4.2	4.2	4.2	4.2	4.2
72.5°	3.1	3.1	3.1	3.1	3.1
75°	3.1	3.1	3.1	3.1	3.1
77.5°	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	2.1	2.1	2.1
82.5°	1.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0
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)