

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: P1179053

Luminaire Tested: LDA2B109727R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179053
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: LDA2B109727R2040D010 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

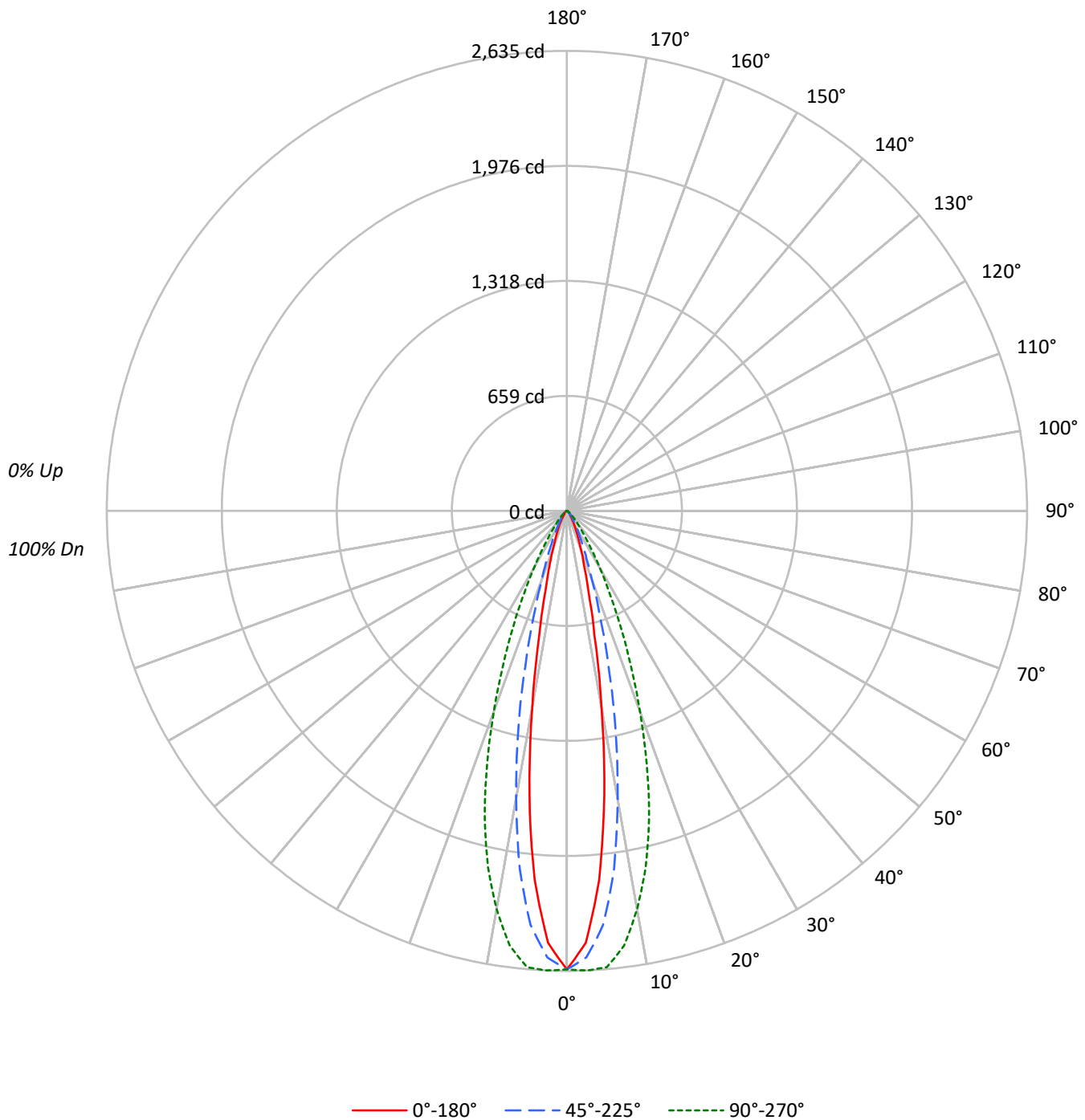
Lumens per Lamp: N/A
Luminaire Lumens: 740.2 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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	87	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°	1295617	1295617	1295617
5°	1050170	1179528	1298982
10°	570959	837426	1159952
15°	241490	469956	928470
20°	123276	220983	642000
25°	68263	113065	391289
30°	38226	62779	213404
35°	22104	38004	108712
40°	16487	28789	60153
45°	14513	19536	35653
50°	15351	12895	19035
55°	11010	8946	10322
60°	7104	6315	6315
65°	5603	5603	5603
70°	4616	4616	4616
75°	4575	4575	4575
80°	4546	4546	4546
85°	4529	4529	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 35653 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.6	27.6
10°-20°	289.4	39.1
20°-30°	149.1	20.1
30°-40°	54.8	7.4
40°-50°	24.1	3.3
50°-60°	10.6	1.4
60°-70°	4.6	0.6
70°-80°	2.3	0.3
80°-90°	0.7	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°	643.0	86.9
0°-40°	697.9	94.3
0°-60°	732.6	99.0
0°-90°	740.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	740.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2626	2626	2626	2626	2626	
5°	2120	2192	2382	2550	2623	171
15°	473	550	920	1535	1818	145
25°	125	141	208	477	719	60
35°	37	42	63	110	180	25
45°	21	24	28	34	51	17
55°	13	11	10	11	12	12
65°	5	5	5	4	5	5
75°	2	2	2	2	2	2
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°	2626.1	2626.1	2626.1	2626.1	2626.1
2.5°	2475.9	2505.5	2560.6	2613.3	2634.8
5°	2120.5	2192.4	2381.7	2550.2	2622.9
7.5°	1642.1	1760.3	2067.0	2382.5	2511.8
10°	1139.7	1259.5	1671.6	2125.3	2315.4
12.5°	726.8	843.4	1288.3	1840.2	2087.0
15°	472.8	549.5	920.1	1535.1	1817.8
17.5°	328.3	382.6	626.2	1211.6	1519.9
20°	234.8	273.1	420.9	924.1	1222.8
22.5°	170.1	196.5	292.3	674.9	950.4
25°	125.4	140.6	207.7	476.8	718.8
27.5°	92.6	102.2	150.2	329.1	525.5
30°	67.1	75.1	110.2	226.0	374.6
32.5°	48.7	55.9	82.3	156.5	261.2
35°	36.7	42.3	63.1	110.2	180.5
37.5°	30.3	33.5	51.9	79.9	127.8
40°	25.6	28.8	44.7	59.1	93.4
42.5°	22.4	26.4	36.7	43.9	70.3
45°	20.8	24.0	28.0	33.5	51.1
47.5°	20.8	20.0	21.6	25.6	35.9
50°	20.0	16.8	16.8	20.0	24.8
52.5°	16.8	13.6	13.6	14.4	16.8
55°	12.8	11.2	10.4	11.2	12.0
57.5°	9.6	9.6	8.8	8.0	8.8
60°	7.2	7.2	6.4	6.4	6.4
62.5°	5.6	5.6	5.6	4.8	5.6
65°	4.8	4.8	4.8	4.0	4.8
67.5°	4.0	4.0	3.2	4.0	4.0
70°	3.2	3.2	3.2	3.2	3.2
72.5°	2.4	2.4	2.4	2.4	2.4
75°	2.4	2.4	2.4	2.4	2.4
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8
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)