

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: P1180063

Luminaire Tested: LDA2B209727R2040D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180063
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: LDA2B209727R2040D010 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

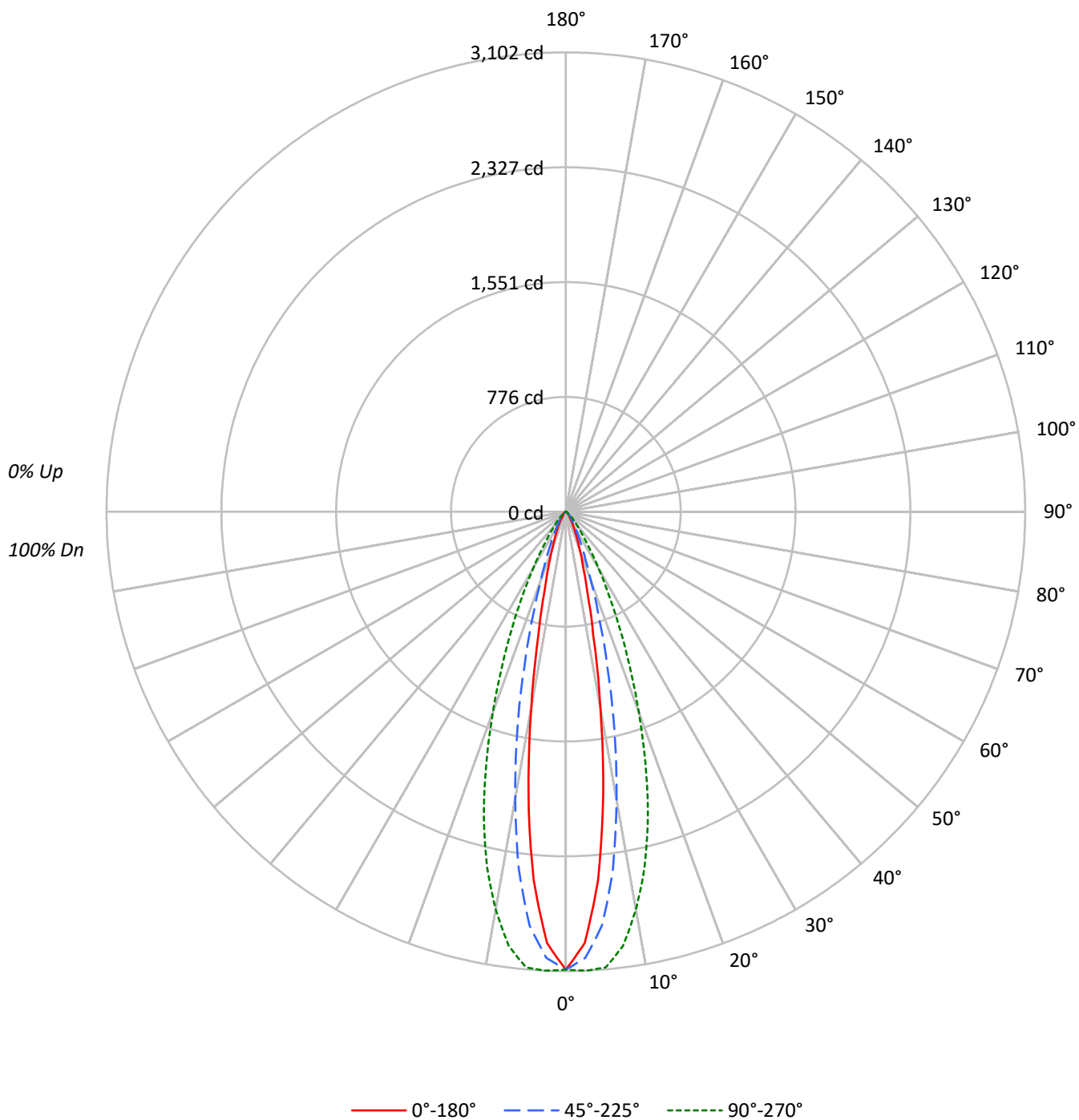
Lumens per Lamp: N/A
Luminaire Lumens: 871.3 lumens
Efficiency: N/A
Efficacy: 42.3 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1180063

CATALOG NUMBER: LDA2B209727R2040D010 2LBDC1MW

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°	1525327	1525327	1525327
5°	1236383	1388671	1529271
10°	672205	985914	1365601
15°	284343	553261	1093090
20°	145117	260150	755825
25°	80348	133097	460696
30°	45005	73945	251231
35°	26079	44750	127985
40°	19386	33941	70844
45°	17024	22955	42003
50°	18037	15120	22335
55°	12902	10494	12128
60°	8387	7400	7400
65°	6537	6537	6537
70°	5481	5481	5481
75°	5337	5337	5337
80°	5398	5398	5398
85°	5095	5095	5095

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 42003 cd/sqm

TEST NUMBER: P1180063

CATALOG NUMBER: LDA2B209727R2040D010 2LBDC1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.9	27.6
10°-20°	340.7	39.1
20°-30°	175.5	20.1
30°-40°	64.6	7.4
40°-50°	28.4	3.3
50°-60°	12.4	1.4
60°-70°	5.4	0.6
70°-80°	2.7	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°	757.0	86.9
0°-40°	821.6	94.3
0°-60°	862.4	99.0
0°-90°	871.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	871.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3092	3092	3092	3092	3092	
5°	2496	2581	2804	3002	3088	201
15°	557	647	1083	1807	2140	170
25°	148	166	244	561	846	71
35°	43	50	74	130	212	29
45°	24	28	33	40	60	20
55°	15	13	12	13	14	14
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°	3091.7	3091.7	3091.7	3091.7	3091.7
2.5°	2914.9	2949.7	3014.6	3076.7	3102.0
5°	2496.5	2581.1	2804.0	3002.4	3087.9
7.5°	1933.3	2072.4	2433.5	2804.9	2957.2
10°	1341.8	1482.8	1968.0	2502.1	2725.9
12.5°	855.7	993.0	1516.7	2166.4	2457.0
15°	556.7	646.9	1083.2	1807.3	2140.1
17.5°	386.5	450.4	737.2	1426.4	1789.4
20°	276.4	321.6	495.5	1087.9	1439.6
22.5°	200.3	231.3	344.1	794.6	1119.0
25°	147.6	165.5	244.5	561.4	846.3
27.5°	109.1	120.4	176.8	387.4	618.7
30°	79.0	88.4	129.8	266.1	441.0
32.5°	57.4	65.8	96.9	184.3	307.5
35°	43.3	49.8	74.3	129.8	212.5
37.5°	35.7	39.5	61.1	94.0	150.4
40°	30.1	33.9	52.7	69.6	110.0
42.5°	26.3	31.0	43.3	51.7	82.7
45°	24.4	28.2	32.9	39.5	60.2
47.5°	24.4	23.5	25.4	30.1	42.3
50°	23.5	19.7	19.7	23.5	29.1
52.5°	19.7	16.0	16.0	16.9	19.7
55°	15.0	13.2	12.2	13.2	14.1
57.5°	11.3	11.3	10.3	9.4	10.3
60°	8.5	8.5	7.5	7.5	7.5
62.5°	6.6	6.6	6.6	5.6	6.6
65°	5.6	5.6	5.6	4.7	5.6
67.5°	4.7	4.7	3.8	4.7	4.7
70°	3.8	3.8	3.8	3.8	3.8
72.5°	2.8	2.8	2.8	2.8	2.8
75°	2.8	2.8	2.8	2.8	2.8
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9
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)