

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: P1179976

Luminaire Tested: LDA2B209040R2040D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179976
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: LDA2B209040R2040D010 2LBD1LI
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

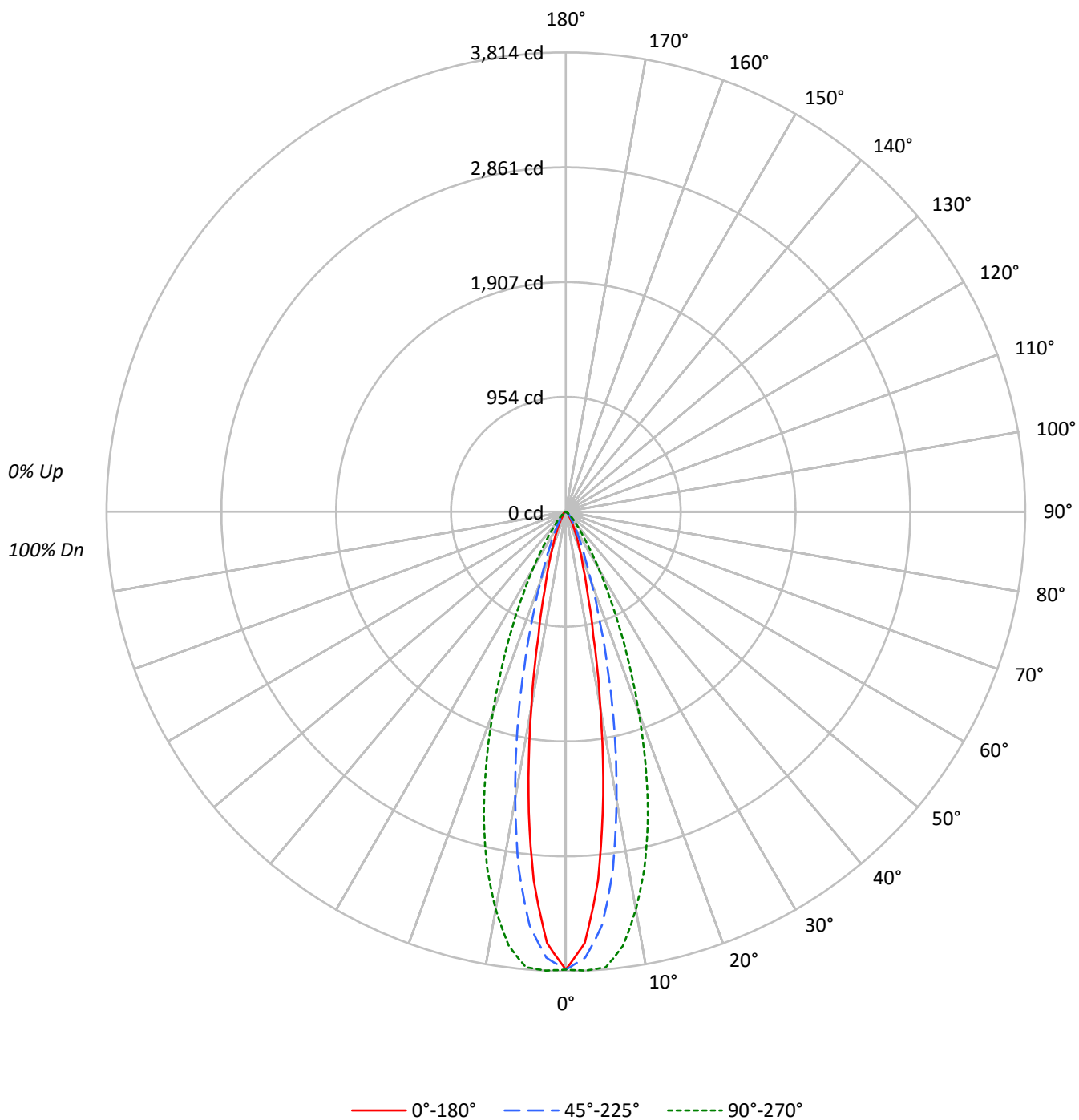
Lumens per Lamp: N/A
Luminaire Lumens: 1071.2 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	83
5	98	91	86	83	97	90	86	83	89	85	82	87	84	81	86	83	81	81	81	79
6	94	87	83	79	93	87	82	79	85	81	78	84	80	78	83	80	77	77	77	76
7	91	84	79	76	90	83	79	75	82	78	75	81	77	75	80	77	74	74	74	73
8	88	81	76	73	87	80	76	72	79	75	72	78	75	72	77	74	72	72	72	70
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	69	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	67	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1875169	1875169	1875169
5°	1519961	1707164	1880054
10°	826354	1212053	1678810
15°	349517	680187	1343825
20°	178456	319845	929189
25°	98802	163582	566357
30°	55316	90865	308826
35°	32041	54988	157316
40°	23829	41669	87074
45°	21001	28258	51631
50°	22182	18651	27478
55°	15913	12902	14881
60°	10262	9078	9078
65°	8055	8055	8055
70°	6635	6635	6635
75°	6672	6672	6672
80°	6535	6535	6535
85°	6793	6793	6793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 51631 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.2	27.6
10°-20°	418.8	39.1
20°-30°	215.7	20.1
30°-40°	79.4	7.4
40°-50°	34.9	3.3
50°-60°	15.3	1.4
60°-70°	6.7	0.6
70°-80°	3.4	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°	930.7	86.9
0°-40°	1010.1	94.3
0°-60°	1060.2	99.0
0°-90°	1071.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1071.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3801	3801	3801	3801	3801	
5°	3069	3173	3447	3691	3796	247
15°	684	795	1332	2222	2631	209
25°	182	203	300	690	1040	87
35°	53	61	91	160	261	36
45°	30	35	40	49	74	24
55°	18	16	15	16	17	17
65°	7	7	7	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°	3800.8	3800.8	3800.8	3800.8	3800.8
2.5°	3583.5	3626.2	3706.0	3782.3	3813.5
5°	3069.1	3173.1	3447.1	3691.0	3796.2
7.5°	2376.6	2547.7	2991.6	3448.2	3635.5
10°	1649.5	1822.9	2419.4	3076.0	3351.1
12.5°	1051.9	1220.7	1864.6	2663.3	3020.5
15°	684.3	795.3	1331.7	2221.7	2631.0
17.5°	475.1	553.7	906.3	1753.6	2199.8
20°	339.9	395.3	609.2	1337.4	1769.8
22.5°	246.2	284.4	423.1	976.8	1375.6
25°	181.5	203.4	300.5	690.1	1040.4
27.5°	134.1	148.0	217.3	476.3	760.6
30°	97.1	108.7	159.5	327.1	542.1
32.5°	70.5	80.9	119.1	226.6	378.0
35°	53.2	61.3	91.3	159.5	261.2
37.5°	43.9	48.6	75.1	115.6	185.0
40°	37.0	41.6	64.7	85.5	135.2
42.5°	32.4	38.1	53.2	63.6	101.7
45°	30.1	34.7	40.5	48.6	74.0
47.5°	30.1	28.9	31.2	37.0	52.0
50°	28.9	24.3	24.3	28.9	35.8
52.5°	24.3	19.7	19.7	20.8	24.3
55°	18.5	16.2	15.0	16.2	17.3
57.5°	13.9	13.9	12.7	11.6	12.7
60°	10.4	10.4	9.2	9.2	9.2
62.5°	8.1	8.1	8.1	6.9	8.1
65°	6.9	6.9	6.9	5.8	6.9
67.5°	5.8	5.8	4.6	5.8	5.8
70°	4.6	4.6	4.6	4.6	4.6
72.5°	3.5	3.5	3.5	3.5	3.5
75°	3.5	3.5	3.5	3.5	3.5
77.5°	2.3	2.3	2.3	2.3	2.3
80°	2.3	2.3	2.3	2.3	2.3
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)