

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: P1179898

Luminaire Tested: LDA2B209030R2040D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179898
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: LDA2B209030R2040D010 2LBD1LI
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

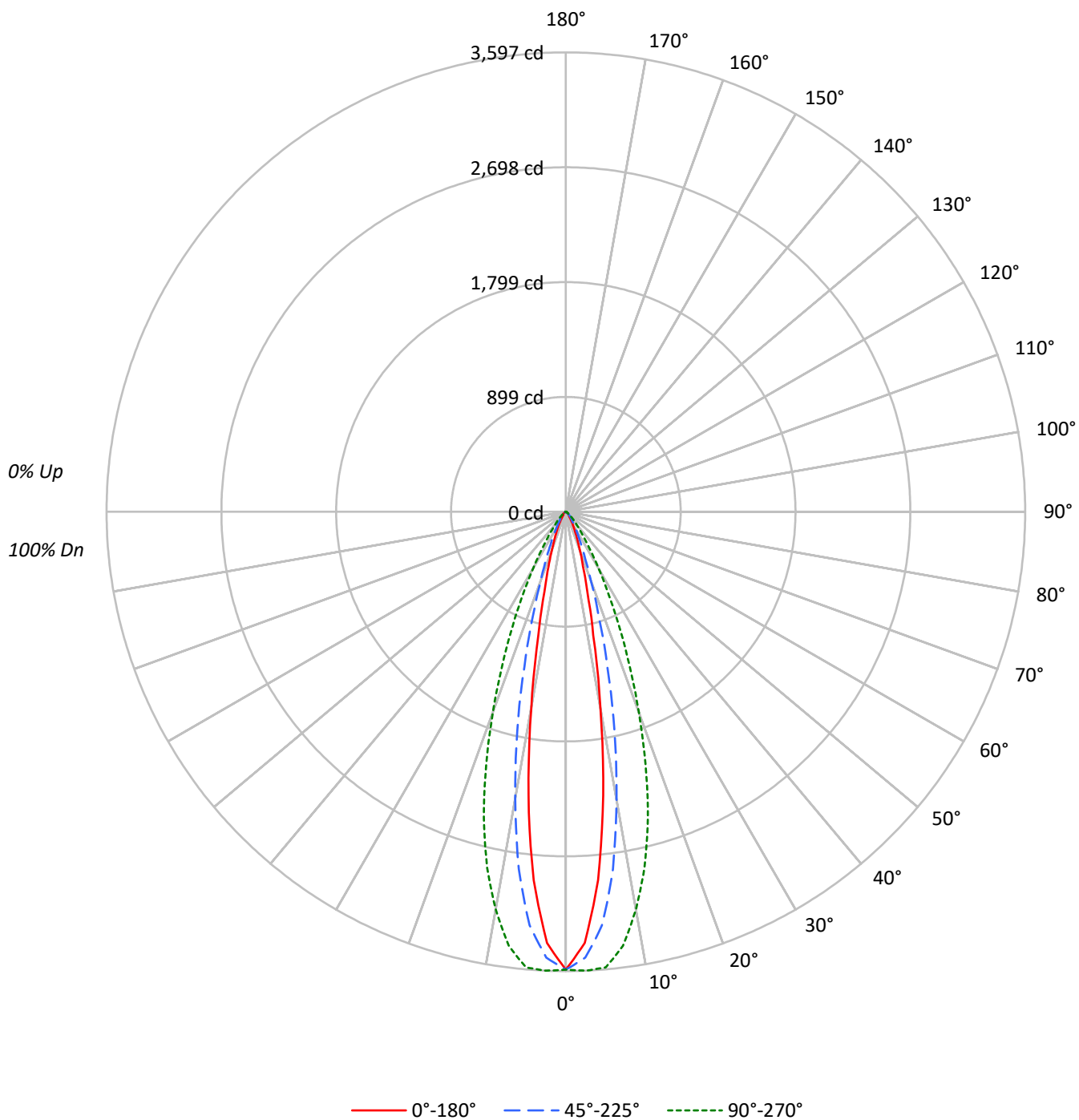
Lumens per Lamp: N/A
Luminaire Lumens: 1010.4 lumens
Efficiency: N/A
Efficacy: 49.0 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1768603	1768603	1768603
5°	1433590	1610145	1773230
10°	779413	1143220	1583424
15°	329648	641522	1267465
20°	168270	301679	876371
25°	93195	154327	534185
30°	52183	85738	291280
35°	30235	51857	148403
40°	22477	39351	82179
45°	19745	26653	48701
50°	20954	17577	25943
55°	14967	12214	14106
60°	9670	8584	8584
65°	7588	7588	7588
70°	6347	6347	6347
75°	6290	6290	6290
80°	6251	6251	6251
85°	6227	6227	6227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 48701 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.3	27.6
10°-20°	395.0	39.1
20°-30°	203.5	20.1
30°-40°	74.9	7.4
40°-50°	32.9	3.3
50°-60°	14.4	1.4
60°-70°	6.3	0.6
70°-80°	3.2	0.3
80°-90°	0.9	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°	877.8	86.9
0°-40°	952.7	94.3
0°-60°	1000.0	99.0
0°-90°	1010.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1010.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3585	3585	3585	3585	3585	
5°	2895	2993	3251	3481	3580	233
15°	645	750	1256	2096	2482	197
25°	171	192	284	651	981	82
35°	50	58	86	150	246	34
45°	28	33	38	46	70	23
55°	17	15	14	15	16	16
65°	6	6	6	6	6	7
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°	3584.8	3584.8	3584.8	3584.8	3584.8
2.5°	3379.9	3420.2	3495.4	3567.4	3596.8
5°	2894.7	2992.8	3251.2	3481.3	3580.5
7.5°	2241.6	2403.0	2821.6	3252.3	3428.9
10°	1555.8	1719.4	2282.0	2901.2	3160.7
12.5°	992.2	1151.3	1758.6	2512.0	2848.9
15°	645.4	750.1	1256.0	2095.5	2481.5
17.5°	448.1	522.2	854.8	1654.0	2074.8
20°	320.5	372.9	574.6	1261.5	1669.2
22.5°	232.2	268.2	399.0	921.3	1297.4
25°	171.2	191.9	283.5	650.9	981.3
27.5°	126.5	139.6	205.0	449.2	717.4
30°	91.6	102.5	150.5	308.5	511.3
32.5°	66.5	76.3	112.3	213.7	356.5
35°	50.2	57.8	86.1	150.5	246.4
37.5°	41.4	45.8	70.9	109.0	174.4
40°	34.9	39.3	61.1	80.7	127.6
42.5°	30.5	36.0	50.2	60.0	95.9
45°	28.3	32.7	38.2	45.8	69.8
47.5°	28.3	27.3	29.4	34.9	49.1
50°	27.3	22.9	22.9	27.3	33.8
52.5°	22.9	18.5	18.5	19.6	22.9
55°	17.4	15.3	14.2	15.3	16.4
57.5°	13.1	13.1	12.0	10.9	12.0
60°	9.8	9.8	8.7	8.7	8.7
62.5°	7.6	7.6	7.6	6.5	7.6
65°	6.5	6.5	6.5	5.5	6.5
67.5°	5.5	5.5	4.4	5.5	5.5
70°	4.4	4.4	4.4	4.4	4.4
72.5°	3.3	3.3	3.3	3.3	3.3
75°	3.3	3.3	3.3	3.3	3.3
77.5°	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2
82.5°	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1
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)