

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: P1180102

Luminaire Tested: LDA2B209730R2040D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180102
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: LDA2B209730R2040D010 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

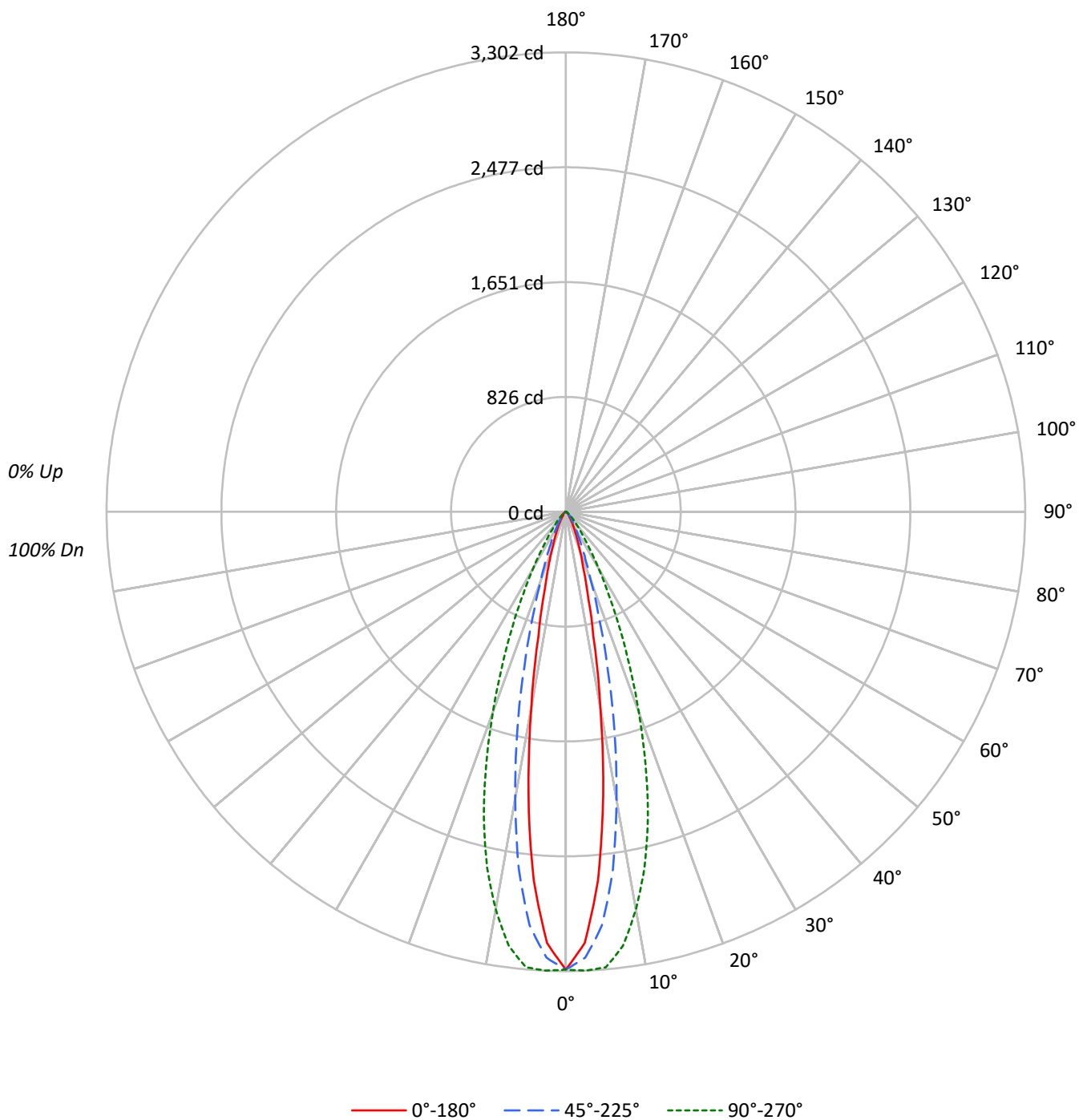
Lumens per Lamp: N/A
Luminaire Lumens: 927.3 lumens
Efficiency: N/A
Efficacy: 45.0 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	88	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	95	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°	1623407	1623407	1623407
5°	1315870	1477914	1627627
10°	715439	1049337	1453422
15°	302578	588862	1163371
20°	154462	276898	804390
25°	85520	141644	490309
30°	47911	78674	267410
35°	27705	47641	136237
40°	20609	36066	75417
45°	18141	24420	44654
50°	19188	16118	23794
55°	13762	11182	12902
60°	8881	7894	7894
65°	7004	7004	7004
70°	5770	5770	5770
75°	5719	5719	5719
80°	5682	5682	5682
85°	5661	5661	5661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 44654 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.4	27.6
10°-20°	362.6	39.1
20°-30°	186.8	20.1
30°-40°	68.7	7.4
40°-50°	30.2	3.3
50°-60°	13.2	1.4
60°-70°	5.8	0.6
70°-80°	2.9	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°	805.7	86.9
0°-40°	874.4	94.3
0°-60°	917.8	99.0
0°-90°	927.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	927.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3290	3290	3290	3290	3290	
5°	2657	2747	2984	3195	3286	214
15°	592	688	1153	1923	2278	181
25°	157	176	260	597	901	75
35°	46	53	79	138	226	31
45°	26	30	35	42	64	21
55°	16	14	13	14	15	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°	3290.5	3290.5	3290.5	3290.5	3290.5
2.5°	3102.3	3139.4	3208.4	3274.5	3301.5
5°	2657.0	2747.1	2984.2	3195.4	3286.5
7.5°	2057.5	2205.7	2589.9	2985.2	3147.4
10°	1428.1	1578.2	2094.6	2663.0	2901.2
12.5°	910.7	1056.8	1614.2	2305.7	2615.0
15°	592.4	688.5	1152.9	1923.4	2277.7
17.5°	411.3	479.4	784.6	1518.1	1904.4
20°	294.2	342.3	527.4	1157.9	1532.1
22.5°	213.2	246.2	366.3	845.6	1190.9
25°	157.1	176.1	260.2	597.4	900.7
27.5°	116.1	128.1	188.1	412.3	658.5
30°	84.1	94.1	138.1	283.2	469.4
32.5°	61.0	70.1	103.1	196.1	327.2
35°	46.0	53.0	79.1	138.1	226.2
37.5°	38.0	42.0	65.0	100.1	160.1
40°	32.0	36.0	56.0	74.1	117.1
42.5°	28.0	33.0	46.0	55.0	88.1
45°	26.0	30.0	35.0	42.0	64.0
47.5°	26.0	25.0	27.0	32.0	45.0
50°	25.0	21.0	21.0	25.0	31.0
52.5°	21.0	17.0	17.0	18.0	21.0
55°	16.0	14.0	13.0	14.0	15.0
57.5°	12.0	12.0	11.0	10.0	11.0
60°	9.0	9.0	8.0	8.0	8.0
62.5°	7.0	7.0	7.0	6.0	7.0
65°	6.0	6.0	6.0	5.0	6.0
67.5°	5.0	5.0	4.0	5.0	5.0
70°	4.0	4.0	4.0	4.0	4.0
72.5°	3.0	3.0	3.0	3.0	3.0
75°	3.0	3.0	3.0	3.0	3.0
77.5°	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0
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)