

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: P1179442

Luminaire Tested: LDA2B159035R2040D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179442
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: LDA2B159035R2040D010 2LBDC1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

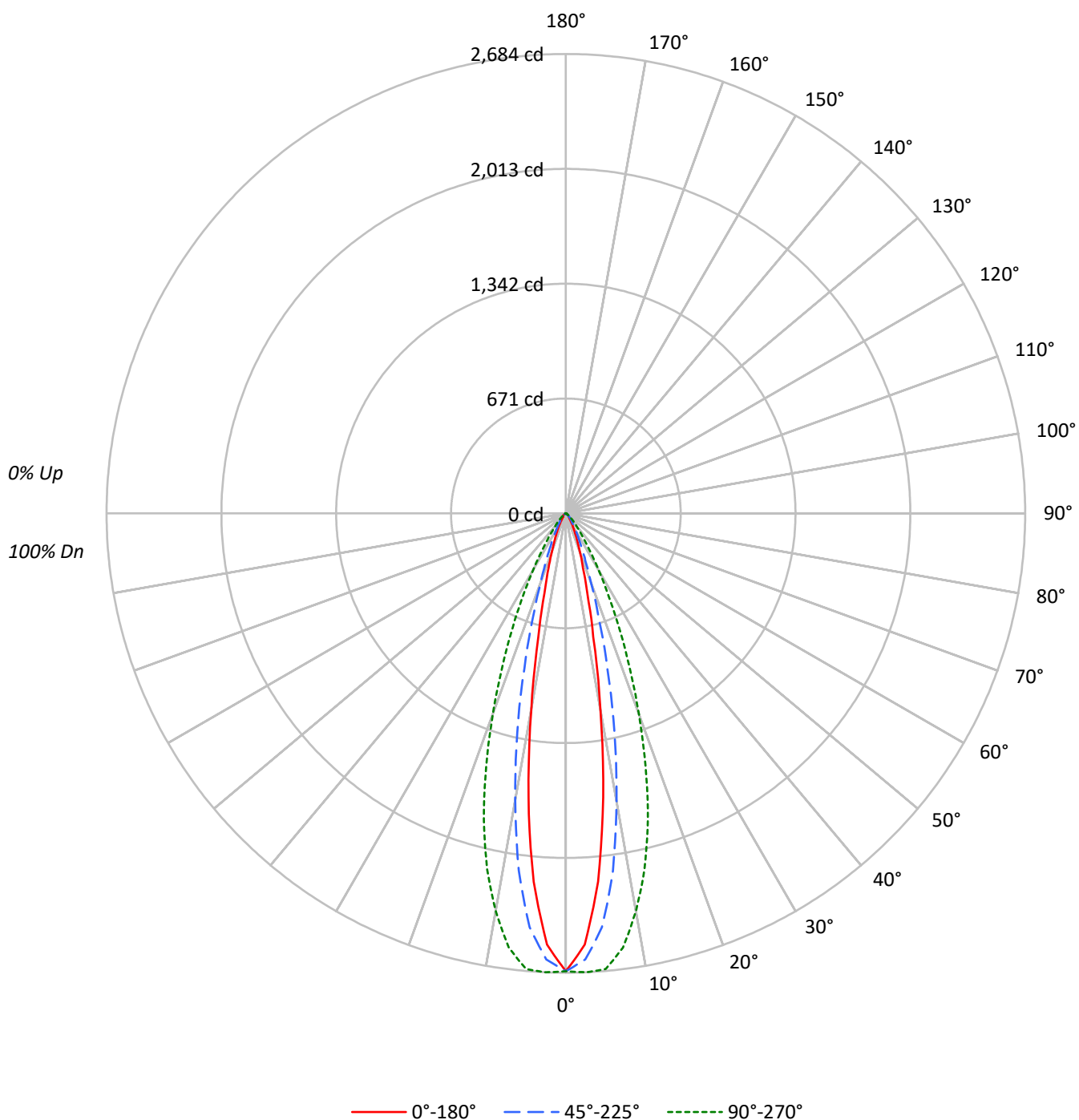
Lumens per Lamp: N/A
Luminaire Lumens: 753.9 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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°	1319792	1319792	1319792
5°	1069782	1201567	1323249
10°	581629	853106	1181594
15°	246036	478741	945836
20°	125586	225131	653971
25°	69515	115133	398584
30°	38909	63976	217392
35°	22525	38727	110760
40°	16745	29368	61312
45°	14792	19885	36351
50°	15581	13125	19342
55°	11182	9118	10494
60°	7203	6414	6414
65°	5720	5720	5720
70°	4760	4760	4760
75°	4575	4575	4575
80°	4546	4546	4546
85°	4529	4529	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 36351 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.4	27.6
10°-20°	294.8	39.1
20°-30°	151.8	20.1
30°-40°	55.9	7.4
40°-50°	24.5	3.3
50°-60°	10.8	1.4
60°-70°	4.7	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°	655.0	86.9
0°-40°	710.9	94.3
0°-60°	746.2	99.0
0°-90°	753.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	753.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2675	2675	2675	2675	2675	
5°	2160	2233	2426	2598	2672	174
15°	482	560	937	1564	1852	147
25°	128	143	212	486	732	61
35°	37	43	64	112	184	25
45°	21	24	28	34	52	17
55°	13	11	11	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°	2675.1	2675.1	2675.1	2675.1	2675.1
2.5°	2522.2	2552.3	2608.4	2662.1	2684.1
5°	2160.1	2233.3	2426.2	2597.8	2671.9
7.5°	1672.8	1793.2	2105.6	2427.0	2558.8
10°	1161.0	1283.0	1702.9	2165.0	2358.6
12.5°	740.4	859.2	1312.3	1874.5	2125.9
15°	481.7	559.8	937.3	1563.7	1851.8
17.5°	334.4	389.7	637.9	1234.2	1548.3
20°	239.2	278.3	428.8	941.3	1245.6
22.5°	173.3	200.1	297.8	687.5	968.2
25°	127.7	143.2	211.5	485.7	732.2
27.5°	94.4	104.1	153.0	335.2	535.3
30°	68.3	76.5	112.3	230.2	381.6
32.5°	49.6	57.0	83.8	159.5	266.0
35°	37.4	43.1	64.3	112.3	183.9
37.5°	30.9	34.2	52.9	81.4	130.2
40°	26.0	29.3	45.6	60.2	95.2
42.5°	22.8	26.8	37.4	44.7	71.6
45°	21.2	24.4	28.5	34.2	52.1
47.5°	21.2	20.3	22.0	26.0	36.6
50°	20.3	17.1	17.1	20.3	25.2
52.5°	17.1	13.8	13.8	14.6	17.1
55°	13.0	11.4	10.6	11.4	12.2
57.5°	9.8	9.8	8.9	8.1	8.9
60°	7.3	7.3	6.5	6.5	6.5
62.5°	5.7	5.7	5.7	4.9	5.7
65°	4.9	4.9	4.9	4.1	4.9
67.5°	4.1	4.1	3.3	4.1	4.1
70°	3.3	3.3	3.3	3.3	3.3
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)