

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: P1178938

Luminaire Tested: LDA2B109035R2040D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178938
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: LDA2B109035R2040D010 2LBDC1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

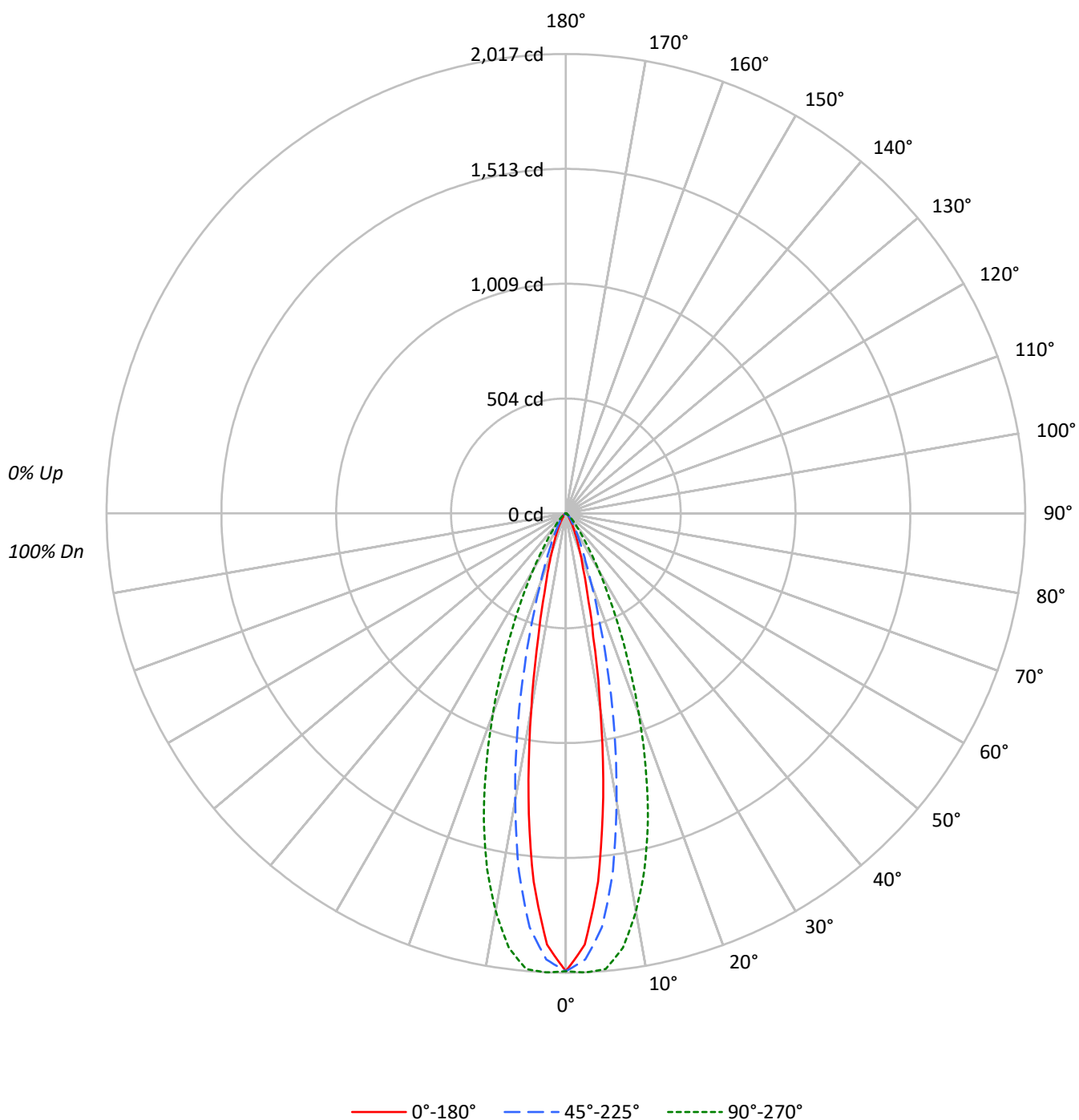
Lumens per Lamp: N/A
Luminaire Lumens: 566.6 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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	100	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	96	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°	991904	991904	991904
5°	803983	903032	994455
10°	437099	641145	888024
15°	184897	359783	710833
20°	94399	169163	491476
25°	52259	86554	299564
30°	29282	48081	163386
35°	16924	29090	83236
40°	12623	22026	46049
45°	11094	14931	27281
50°	11743	9824	14583
55°	8429	6795	7913
60°	5427	4835	4835
65°	4319	4319	4319
70°	3462	3462	3462
75°	3431	3431	3431
80°	3409	3409	3409
85°	3396	3396	3396

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 27281 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.7	27.6
10°-20°	221.5	39.1
20°-30°	114.1	20.1
30°-40°	42.0	7.4
40°-50°	18.4	3.3
50°-60°	8.1	1.4
60°-70°	3.6	0.6
70°-80°	1.7	0.3
80°-90°	0.5	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°	492.3	86.9
0°-40°	534.3	94.3
0°-60°	560.8	99.0
0°-90°	566.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	566.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2010	2010	2010	2010	2010	
5°	1623	1678	1823	1952	2008	131
15°	362	421	704	1175	1392	111
25°	96	108	159	365	550	46
35°	28	32	48	84	138	19
45°	16	18	21	26	39	13
55°	10	9	8	9	9	9
65°	4	4	4	3	4	4
75°	2	2	2	2	2	2
85°	1	1	1	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2010.5	2010.5	2010.5	2010.5	2010.5
2.5°	1895.5	1918.1	1960.3	2000.7	2017.2
5°	1623.4	1678.4	1823.4	1952.4	2008.0
7.5°	1257.2	1347.6	1582.4	1824.0	1923.0
10°	872.5	964.3	1279.8	1627.1	1772.6
12.5°	556.4	645.7	986.3	1408.8	1597.7
15°	362.0	420.7	704.4	1175.2	1391.7
17.5°	251.3	292.9	479.4	927.6	1163.6
20°	179.8	209.1	322.2	707.5	936.1
22.5°	130.2	150.4	223.8	516.7	727.6
25°	96.0	107.6	159.0	365.0	550.3
27.5°	70.9	78.3	115.0	251.9	402.3
30°	51.4	57.5	84.4	173.0	286.8
32.5°	37.3	42.8	63.0	119.8	199.9
35°	28.1	32.4	48.3	84.4	138.2
37.5°	23.2	25.7	39.7	61.1	97.8
40°	19.6	22.0	34.2	45.2	71.5
42.5°	17.1	20.2	28.1	33.6	53.8
45°	15.9	18.3	21.4	25.7	39.1
47.5°	15.9	15.3	16.5	19.6	27.5
50°	15.3	12.8	12.8	15.3	19.0
52.5°	12.8	10.4	10.4	11.0	12.8
55°	9.8	8.6	7.9	8.6	9.2
57.5°	7.3	7.3	6.7	6.1	6.7
60°	5.5	5.5	4.9	4.9	4.9
62.5°	4.3	4.3	4.3	3.7	4.3
65°	3.7	3.7	3.7	3.1	3.7
67.5°	3.1	3.1	2.4	3.1	3.1
70°	2.4	2.4	2.4	2.4	2.4
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6
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)