

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: P1178196

Luminaire Tested: LDA2B058035R2040D010 2LBD1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178196
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: LDA2B058035R2040D010 2LBD1MW
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

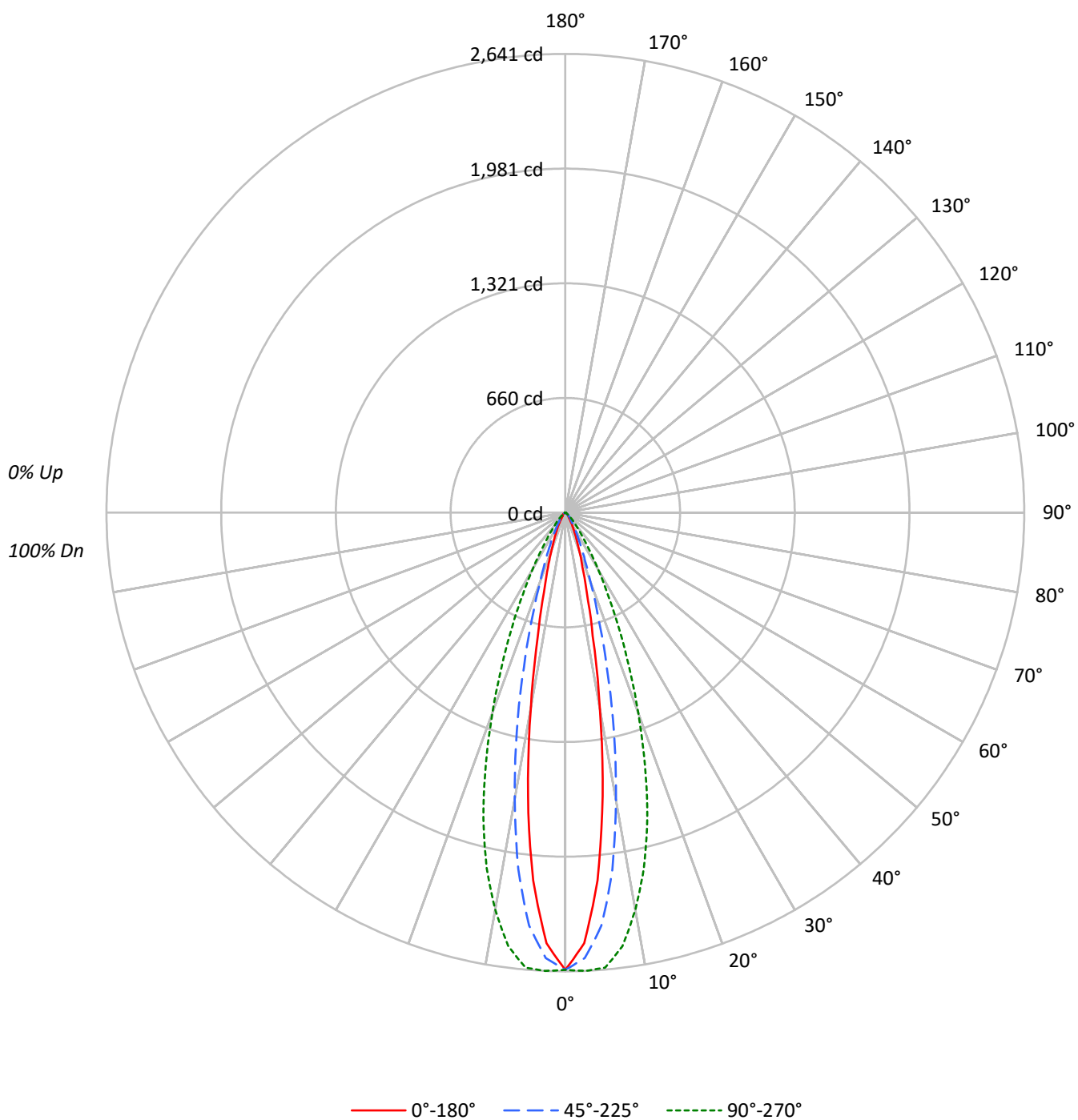
Lumens per Lamp: N/A
Luminaire Lumens: 741.8 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
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

TEST NUMBER: P1178196

CATALOG NUMBER: LDA2B058035R2040D010 2LBD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1178196

CATALOG NUMBER: LDA2B058035R2040D010 2LBD1MW

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	88	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	95	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°	1298578	1298578	1298578
5°	1052597	1182252	1301953
10°	572311	839380	1162607
15°	242052	471028	930615
20°	123591	221508	643470
25°	68427	113282	392215
30°	38283	62950	213860
35°	22164	38064	108953
40°	16487	28853	60346
45°	14513	19536	35723
50°	15351	12895	19035
55°	11010	8946	10322
60°	7104	6315	6315
65°	5603	5603	5603
70°	4616	4616	4616
75°	4575	4575	4575
80°	4546	4546	4546
85°	4529	4529	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 35723 cd/sqm

TEST NUMBER: P1178196

CATALOG NUMBER: LDA2B058035R2040D010 2LBD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.1	27.6
10°-20°	290.0	39.1
20°-30°	149.4	20.1
30°-40°	55.0	7.4
40°-50°	24.1	3.3
50°-60°	10.6	1.4
60°-70°	4.6	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°	644.5	86.9
0°-40°	699.5	94.3
0°-60°	734.2	99.0
0°-90°	741.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	741.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2632	2632	2632	2632	2632	
5°	2125	2198	2387	2556	2629	171
15°	474	551	922	1539	1822	145
25°	126	141	208	478	720	60
35°	37	42	63	110	181	25
45°	21	24	28	34	51	17
55°	13	11	10	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	

TEST NUMBER: P1178196

CATALOG NUMBER: LDA2B058035R2040D010 2LBD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2632.1	2632.1	2632.1	2632.1	2632.1
2.5°	2481.6	2511.3	2566.5	2619.3	2641.0
5°	2125.4	2197.5	2387.2	2556.1	2628.9
7.5°	1645.9	1764.4	2071.8	2388.0	2517.7
10°	1142.4	1262.4	1675.5	2130.2	2320.7
12.5°	728.5	845.4	1291.3	1844.4	2091.8
15°	473.9	550.8	922.2	1538.6	1822.0
17.5°	329.0	383.5	627.6	1214.4	1523.4
20°	235.4	273.8	421.9	926.2	1225.6
22.5°	170.5	196.9	293.0	676.4	952.6
25°	125.7	140.9	208.1	477.9	720.5
27.5°	92.9	102.5	150.5	329.8	526.7
30°	67.2	75.2	110.5	226.6	375.4
32.5°	48.8	56.0	82.5	156.9	261.8
35°	36.8	42.4	63.2	110.5	180.9
37.5°	30.4	33.6	52.0	80.1	128.1
40°	25.6	28.8	44.8	59.2	93.7
42.5°	22.4	26.4	36.8	44.0	70.4
45°	20.8	24.0	28.0	33.6	51.2
47.5°	20.8	20.0	21.6	25.6	36.0
50°	20.0	16.8	16.8	20.0	24.8
52.5°	16.8	13.6	13.6	14.4	16.8
55°	12.8	11.2	10.4	11.2	12.0
57.5°	9.6	9.6	8.8	8.0	8.8
60°	7.2	7.2	6.4	6.4	6.4
62.5°	5.6	5.6	5.6	4.8	5.6
65°	4.8	4.8	4.8	4.0	4.8
67.5°	4.0	4.0	3.2	4.0	4.0
70°	3.2	3.2	3.2	3.2	3.2
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)