

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: P1178493

Luminaire Tested: LDA2B059040R2060D010 2LBD1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178493
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-034-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B059040R2060D010 2LBD1MW
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

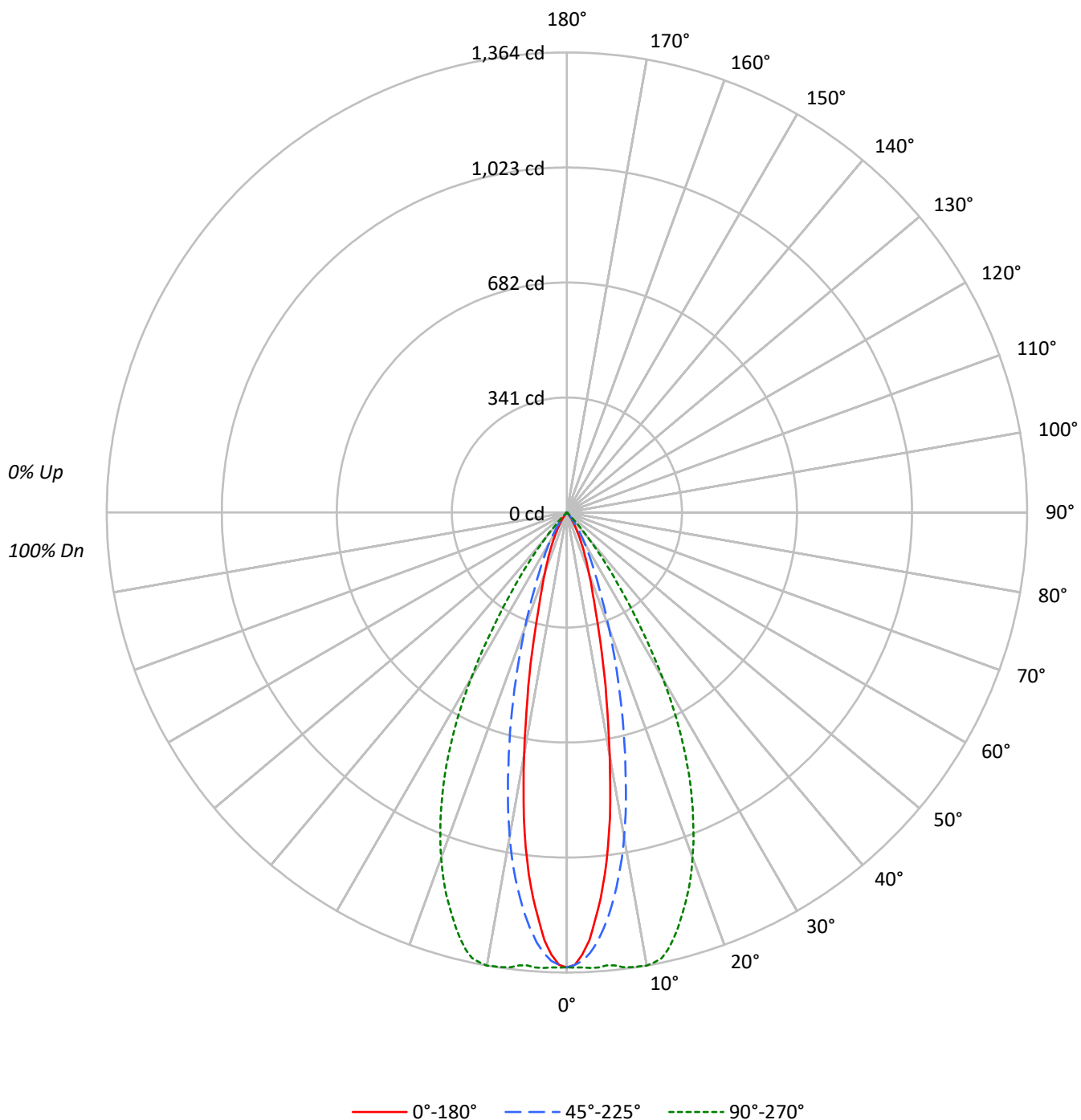
Lumens per Lamp: N/A
Luminaire Lumens: 537.5 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1178493

CATALOG NUMBER: LDA2B059040R2060D010 2LBD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1178493

CATALOG NUMBER: LDA2B059040R2060D010 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	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	93	92	92	92	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	91	89	87	87	87	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	83	83	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	79	79	78
6	93	86	81	77	92	85	81	77	84	80	77	82	79	76	81	78	76	76	76	74
7	90	82	77	74	89	81	77	73	80	76	73	79	75	73	78	75	72	72	72	71
8	86	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	69	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	66	66	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	665545	665545	665545
5°	568345	614353	667444
10°	365910	489751	683377
15°	187706	326635	650307
20°	100227	190899	571962
25°	55906	104627	465268
30°	29795	59589	324094
35°	13009	28729	168941
40°	3800	8437	64017
45°	907	2302	9559
50°	537	537	998
55°	602	602	602
60°	0	691	691
65°	0	817	817
70°	0	1010	1010
75°	0	1334	1334
80°	0	1989	1989
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 9559 cd/sqm

TEST NUMBER: P1178493

CATALOG NUMBER: LDA2B059040R2060D010 2LBD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.3	20.7
10°-20°	202.7	37.7
20°-30°	153.6	28.6
30°-40°	61.5	11.4
40°-50°	6.2	1.2
50°-60°	0.7	0.1
60°-70°	0.6	0.1
70°-80°	0.6	0.1
80°-90°	0.2	0.0
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°	467.7	87.0
0°-40°	529.1	98.5
0°-60°	536.1	99.7
0°-90°	537.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	537.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1349	1349	1349	1349	1349	
5°	1148	1173	1240	1312	1348	96
15°	368	426	640	1053	1273	105
25°	103	120	192	549	855	49
35°	22	27	48	145	280	15
45°	1	2	3	6	14	1
55°	1	1	1	1	1	0
65°	0	1	1	1	1	0
75°	0	1	1	1	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

TEST NUMBER: P1178493

CATALOG NUMBER: LDA2B059040R2060D010 2LBD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1349.0	1349.0	1349.0	1349.0	1349.0
1°	1341.8	1342.5	1341.2	1343.1	1349.7
2°	1311.7	1321.6	1330.1	1338.6	1349.7
3°	1269.9	1281.7	1308.5	1335.3	1352.3
4°	1208.4	1232.6	1278.4	1327.4	1352.3
5°	1147.6	1173.1	1240.5	1312.4	1347.7
6°	1078.3	1114.9	1196.7	1298.0	1350.3
7°	999.8	1044.9	1148.3	1288.9	1358.2
8°	914.8	965.8	1095.3	1269.2	1361.4
9°	820.7	882.8	1039.1	1245.7	1362.7
10°	730.4	795.8	977.6	1218.9	1364.1
11°	640.2	708.2	910.9	1192.7	1358.8
12°	563.7	628.4	840.9	1165.3	1351.0
13°	493.0	555.8	771.6	1132.6	1330.7
14°	427.7	489.1	704.9	1094.6	1303.9
15°	367.5	426.3	639.5	1052.8	1273.2
16°	313.2	368.2	576.7	1006.4	1239.2
17°	274.0	317.8	517.9	957.3	1205.8
18°	243.3	275.9	462.3	908.9	1170.5
19°	215.8	241.9	410.7	858.6	1131.3
20°	190.9	214.5	363.6	806.3	1089.4
21°	170.0	190.3	319.8	754.6	1046.9
22°	151.7	169.4	280.5	703.6	1000.5
23°	134.7	150.4	247.2	651.9	954.1
24°	118.4	135.4	217.8	599.6	905.7
25°	102.7	119.7	192.2	549.3	854.7
26°	90.2	105.9	170.7	500.2	801.7
27°	77.8	94.2	151.7	453.2	748.1
28°	68.0	83.0	134.7	408.0	689.9
29°	58.9	73.2	119.0	363.6	630.4
30°	52.3	63.4	104.6	321.7	568.9
32.5°	36.0	42.5	73.2	226.3	415.2
35°	21.6	26.8	47.7	145.2	280.5
37.5°	11.8	14.4	27.5	87.0	176.6
40°	5.9	7.2	13.1	42.5	99.4
42.5°	2.6	3.3	5.9	16.3	42.5
45°	1.3	2.0	3.3	6.5	13.7
47.5°	0.7	1.3	1.3	2.6	3.9
50°	0.7	0.7	0.7	1.3	1.3
52.5°	0.7	0.7	0.7	1.3	1.3
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.0	0.7	0.7	0.7	0.7
60°	0.0	0.7	0.7	0.7	0.7
62.5°	0.0	0.7	0.7	0.7	0.7
65°	0.0	0.7	0.7	0.7	0.7



TEST NUMBER: P1178493

CATALOG NUMBER: LDA2B059040R2060D010 2LBD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.7	0.7	0.7	0.7
70°	0.0	0.7	0.7	0.7	0.7
72.5°	0.0	0.7	0.7	0.7	0.7
75°	0.0	0.7	0.7	0.7	0.7
77.5°	0.0	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.7	0.7	0.7
82.5°	0.0	0.0	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0
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)