

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: P1178459

Luminaire Tested: LDA2B059035R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178459
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: LDA2B059035R2060D010 2LBDC1MMS
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

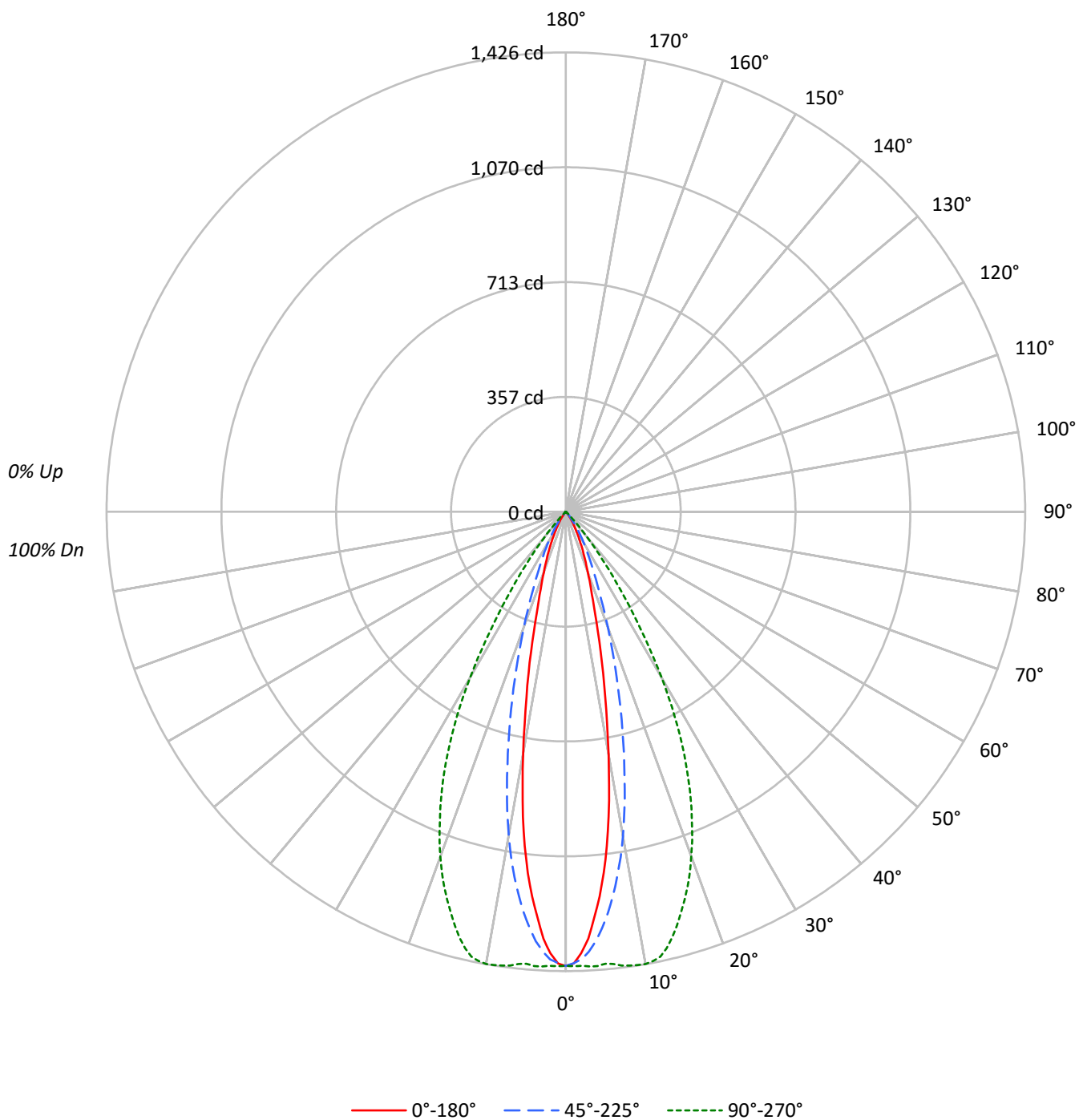
Lumens per Lamp: N/A
Luminaire Lumens: 561.7 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

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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	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°	695591	695591	695591
5°	593998	642087	697604
10°	382443	511844	714237
15°	196185	341396	679676
20°	104795	199509	597793
25°	58410	109363	486281
30°	31162	62324	338735
35°	13612	30054	176590
40°	3993	8823	66916
45°	977	2372	10047
50°	537	537	1075
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: 10047 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	20.7
10°-20°	211.8	37.7
20°-30°	160.6	28.6
30°-40°	64.2	11.4
40°-50°	6.5	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°	488.8	87.0
0°-40°	553.0	98.5
0°-60°	560.3	99.7
0°-90°	561.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	561.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1410	1410	1410	1410	1410	
5°	1199	1226	1296	1372	1409	100
15°	384	446	668	1100	1331	110
25°	107	125	201	574	893	51
35°	23	28	50	152	293	16
45°	1	2	3	7	14	2
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

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1409.9	1409.9	1409.9	1409.9	1409.9
1°	1402.4	1403.1	1401.7	1403.8	1410.6
2°	1371.0	1381.2	1390.1	1399.0	1410.6
3°	1327.2	1339.5	1367.6	1395.6	1413.4
4°	1263.0	1288.3	1336.1	1387.4	1413.4
5°	1199.4	1226.1	1296.5	1371.7	1408.6
6°	1127.0	1165.3	1250.7	1356.6	1411.3
7°	1045.0	1092.1	1200.1	1347.1	1419.5
8°	956.1	1009.4	1144.8	1326.6	1422.9
9°	857.7	922.6	1086.0	1301.9	1424.3
10°	763.4	831.7	1021.7	1273.9	1425.7
11°	669.1	740.2	952.0	1246.6	1420.2
12°	589.1	656.8	878.9	1217.9	1412.0
13°	515.3	580.9	806.5	1183.7	1390.8
14°	447.0	511.2	736.7	1144.1	1362.8
15°	384.1	445.6	668.4	1100.3	1330.7
16°	327.4	384.8	602.8	1051.8	1295.1
17°	286.4	332.2	541.3	1000.6	1260.3
18°	254.2	288.4	483.2	950.0	1223.4
19°	225.5	252.9	429.2	897.4	1182.3
20°	199.6	224.2	380.0	842.7	1138.6
21°	177.7	198.9	334.2	788.7	1094.2
22°	158.6	177.0	293.2	735.4	1045.7
23°	140.8	157.2	258.3	681.4	997.1
24°	123.7	141.5	227.6	626.7	946.6
25°	107.3	125.1	200.9	574.1	893.3
26°	94.3	110.7	178.4	522.8	837.9
27°	81.3	98.4	158.6	473.6	781.9
28°	71.1	86.8	140.8	426.5	721.0
29°	61.5	76.5	124.4	380.0	658.8
30°	54.7	66.3	109.4	336.3	594.6
32.5°	37.6	44.4	76.5	236.5	434.0
35°	22.6	28.0	49.9	151.7	293.2
37.5°	12.3	15.0	28.7	90.9	184.5
40°	6.2	7.5	13.7	44.4	103.9
42.5°	2.7	3.4	6.2	17.1	44.4
45°	1.4	2.1	3.4	6.8	14.4
47.5°	0.7	1.4	1.4	2.7	4.1
50°	0.7	0.7	0.7	1.4	1.4
52.5°	0.7	0.7	0.7	1.4	1.4
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



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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)