

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: P1178264

Luminaire Tested: LDA2B058040R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178264
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: LDA2B058040R2060D010 2LBDC1MMS
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

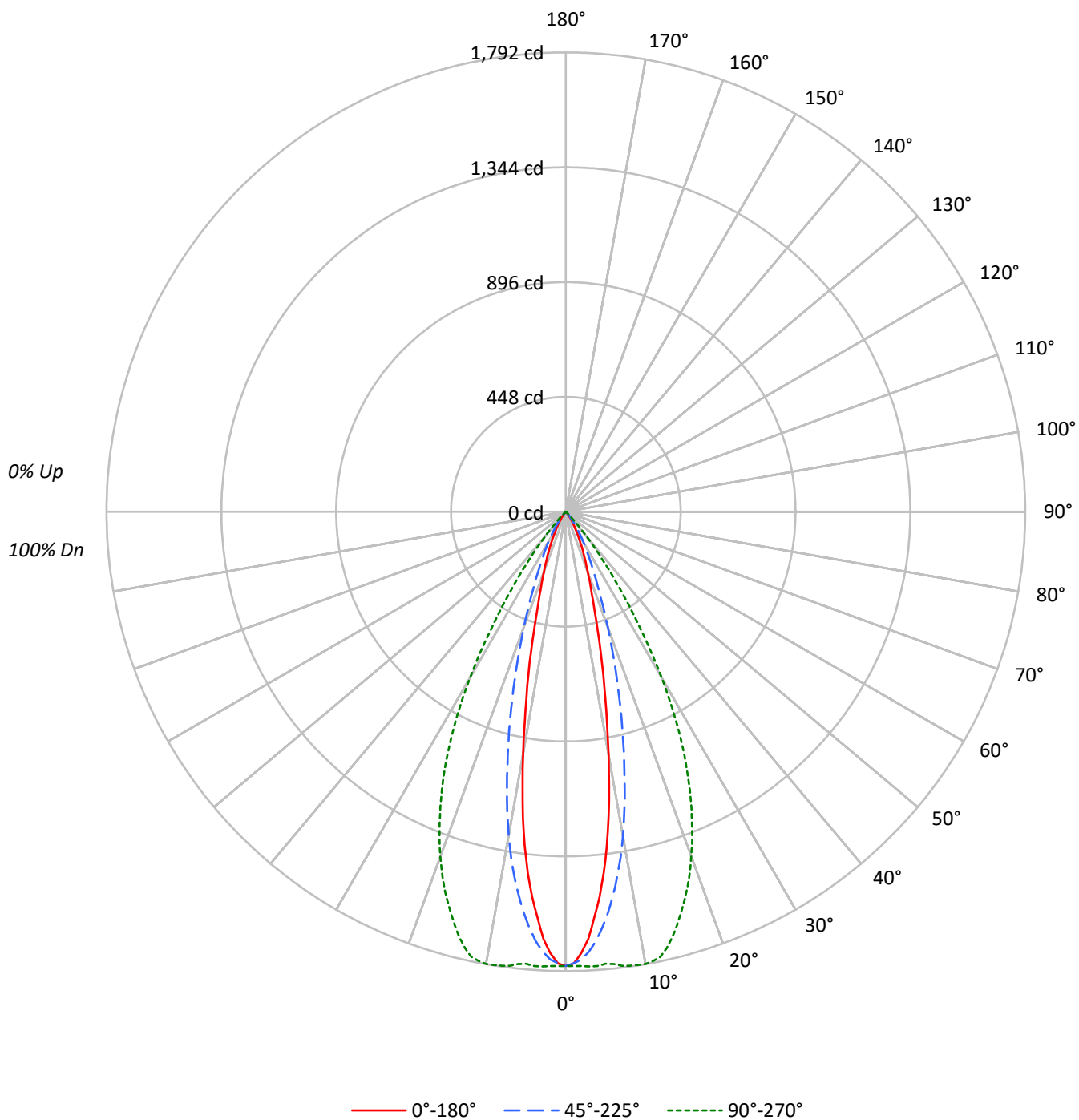
Lumens per Lamp: N/A
Luminaire Lumens: 705.9 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	110	108	112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	106	102	99	108	104	101	98		101	98	96		98	96	94		95	93	92
3	105	100	96	92	103	99	95	92		96	93	90		94	91	89		91	89	87
4	101	95	90	87	99	94	89	86		92	88	85		90	87	84		88	85	83
5	97	90	85	82	96	89	85	81		88	84	81		86	83	80		85	82	79
6	93	86	81	77	92	85	81	77		84	80	77		82	79	76		81	78	76
7	90	82	77	74	89	81	77	73		80	76	73		79	75	73		78	75	72
8	86	79	74	70	85	78	73	70		77	73	70		76	72	69		75	72	69
9	83	75	70	67	82	75	70	67		74	70	67		73	69	66		72	69	66
10	80	72	67	64	79	72	67	64		71	67	64		70	66	64		70	66	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	874237	874237	874237
5°	746584	806954	876735
10°	480683	643299	897643
15°	246547	429094	854205
20°	131676	250752	751310
25°	73435	137452	611158
30°	39137	78275	425726
35°	17045	37763	221941
40°	4959	11077	84111
45°	1186	3000	12559
50°	691	691	1305
55°	774	774	774
60°	0	888	888
65°	0	1051	1051
70°	0	1298	1298
75°	0	1716	1716
80°	0	2557	2557
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 12559 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.3	20.7
10°-20°	266.2	37.7
20°-30°	201.8	28.6
30°-40°	80.7	11.4
40°-50°	8.2	1.2
50°-60°	0.9	0.1
60°-70°	0.8	0.1
70°-80°	0.8	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°	614.3	87.0
0°-40°	695.1	98.5
0°-60°	704.1	99.7
0°-90°	705.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	705.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1772	1772	1772	1772	1772	
5°	1508	1541	1629	1724	1770	126
15°	483	560	840	1383	1672	138
25°	135	157	252	722	1123	64
35°	28	35	63	191	368	20
45°	2	3	4	9	18	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°	1772.0	1772.0	1772.0	1772.0	1772.0
1°	1762.6	1763.4	1761.7	1764.3	1772.9
2°	1723.1	1736.0	1747.1	1758.3	1772.9
3°	1668.1	1683.6	1718.8	1754.0	1776.3
4°	1587.4	1619.1	1679.3	1743.7	1776.3
5°	1507.5	1541.0	1629.4	1723.9	1770.3
6°	1416.4	1464.5	1571.9	1705.0	1773.7
7°	1313.3	1372.6	1508.3	1693.0	1784.1
8°	1201.7	1268.7	1438.8	1667.2	1788.4
9°	1078.0	1159.6	1364.9	1636.3	1790.1
10°	959.5	1045.4	1284.1	1601.1	1791.8
11°	840.9	930.3	1196.5	1566.7	1784.9
12°	740.4	825.5	1104.6	1530.7	1774.6
13°	647.7	730.1	1013.6	1487.7	1748.0
14°	561.8	642.5	926.0	1437.9	1712.8
15°	482.7	560.0	840.1	1382.9	1672.4
16°	411.4	483.6	757.6	1321.9	1627.7
17°	359.9	417.5	680.3	1257.5	1583.9
18°	319.5	362.5	607.3	1194.0	1537.5
19°	283.5	317.8	539.4	1127.8	1486.0
20°	250.8	281.7	477.6	1059.1	1431.0
21°	223.3	250.0	420.0	991.2	1375.2
22°	199.3	222.5	368.5	924.2	1314.2
23°	176.9	197.6	324.7	856.4	1253.2
24°	155.5	177.8	286.0	787.7	1189.7
25°	134.9	157.2	252.5	721.5	1122.7
26°	118.5	139.2	224.2	657.1	1053.1
27°	102.2	123.7	199.3	595.3	982.6
28°	89.3	109.1	176.9	536.0	906.2
29°	77.3	96.2	156.3	477.6	828.0
30°	68.7	83.3	137.4	422.6	747.3
32.5°	47.2	55.8	96.2	297.2	545.4
35°	28.3	35.2	62.7	190.7	368.5
37.5°	15.5	18.9	36.1	114.2	231.9
40°	7.7	9.4	17.2	55.8	130.6
42.5°	3.4	4.3	7.7	21.5	55.8
45°	1.7	2.6	4.3	8.6	18.0
47.5°	0.9	1.7	1.7	3.4	5.2
50°	0.9	0.9	0.9	1.7	1.7
52.5°	0.9	0.9	0.9	1.7	1.7
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.0	0.9	0.9	0.9	0.9
60°	0.0	0.9	0.9	0.9	0.9
62.5°	0.0	0.9	0.9	0.9	0.9
65°	0.0	0.9	0.9	0.9	0.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.9	0.9	0.9	0.9
70°	0.0	0.9	0.9	0.9	0.9
72.5°	0.0	0.9	0.9	0.9	0.9
75°	0.0	0.9	0.9	0.9	0.9
77.5°	0.0	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.9	0.9	0.9
82.5°	0.0	0.0	0.9	0.9	0.9
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)