

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: P1178840

Luminaire Tested: LDA2B109024R2060D010 2LBD1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178840
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: LDA2B109024R2060D010 2LBD1MMS
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

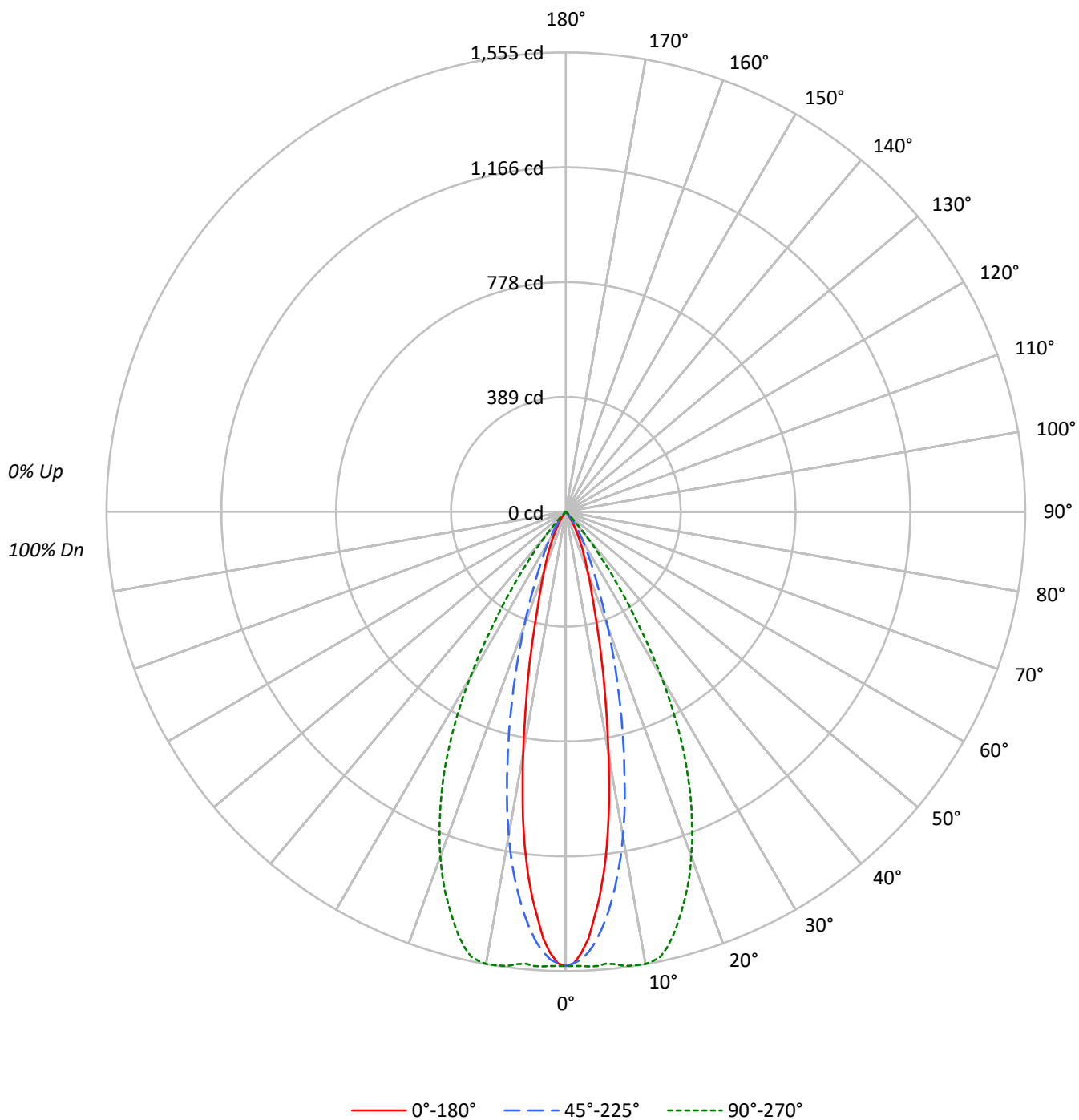
Lumens per Lamp: N/A
Luminaire Lumens: 612.4 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	83	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	67	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	758642	758642	758642
5°	647832	700278	760797
10°	417110	558234	778912
15°	213960	372348	741223
20°	114245	217570	651976
25°	63691	119270	530320
30°	33953	67963	369441
35°	14816	32764	192610
40°	4315	9596	72970
45°	1047	2582	10954
50°	537	537	1151
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: 10954 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.9	20.7
10°-20°	231.0	37.7
20°-30°	175.1	28.6
30°-40°	70.1	11.4
40°-50°	7.1	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°	533.1	87.1
0°-40°	603.1	98.5
0°-60°	610.9	99.8
0°-90°	612.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	612.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1538	1538	1538	1538	1538	
5°	1308	1337	1414	1496	1536	110
15°	419	486	729	1200	1451	120
25°	117	136	219	626	974	55
35°	25	31	54	166	320	17
45°	2	2	4	8	16	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°	1537.7	1537.7	1537.7	1537.7	1537.7
1°	1529.5	1530.2	1528.8	1531.0	1538.4
2°	1495.2	1506.4	1516.1	1525.8	1538.4
3°	1447.5	1460.9	1491.5	1522.0	1541.4
4°	1377.4	1405.0	1457.2	1513.1	1541.4
5°	1308.1	1337.2	1414.0	1496.0	1536.2
6°	1229.1	1270.9	1364.0	1479.6	1539.2
7°	1139.7	1191.1	1308.9	1469.1	1548.1
8°	1042.8	1100.9	1248.5	1446.8	1551.9
9°	935.4	1006.2	1184.4	1419.9	1553.4
10°	832.6	907.1	1114.3	1389.4	1554.8
11°	729.7	807.2	1038.3	1359.6	1548.9
12°	642.5	716.3	958.5	1328.2	1539.9
13°	562.0	633.6	879.5	1291.0	1516.8
14°	487.5	557.5	803.5	1247.7	1486.3
15°	418.9	486.0	729.0	1200.0	1451.2
16°	357.0	419.6	657.4	1147.1	1412.5
17°	312.3	362.2	590.3	1091.2	1374.5
18°	277.3	314.5	527.0	1036.1	1334.2
19°	246.0	275.8	468.1	978.7	1289.5
20°	217.6	244.5	414.4	919.0	1241.8
21°	193.8	216.9	364.5	860.2	1193.3
22°	172.9	193.1	319.8	802.0	1140.4
23°	153.5	171.4	281.7	743.1	1087.5
24°	134.9	154.3	248.2	683.5	1032.3
25°	117.0	136.4	219.1	626.1	974.2
26°	102.9	120.7	194.5	570.2	913.8
27°	88.7	107.3	172.9	516.5	852.7
28°	77.5	94.7	153.5	465.1	786.4
29°	67.1	83.5	135.7	414.4	718.5
30°	59.6	72.3	119.3	366.7	648.5
32.5°	41.0	48.4	83.5	257.9	473.3
35°	24.6	30.6	54.4	165.5	319.8
37.5°	13.4	16.4	31.3	99.1	201.2
40°	6.7	8.2	14.9	48.4	113.3
42.5°	3.0	3.7	6.7	18.6	48.4
45°	1.5	2.2	3.7	7.5	15.7
47.5°	0.7	1.5	1.5	3.0	4.5
50°	0.7	0.7	0.7	1.5	1.5
52.5°	0.7	0.7	0.7	1.5	1.5
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)