

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: P1178655

Luminaire Tested: LDA2B108027R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178655
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: LDA2B108027R2060D010 2LBDC1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

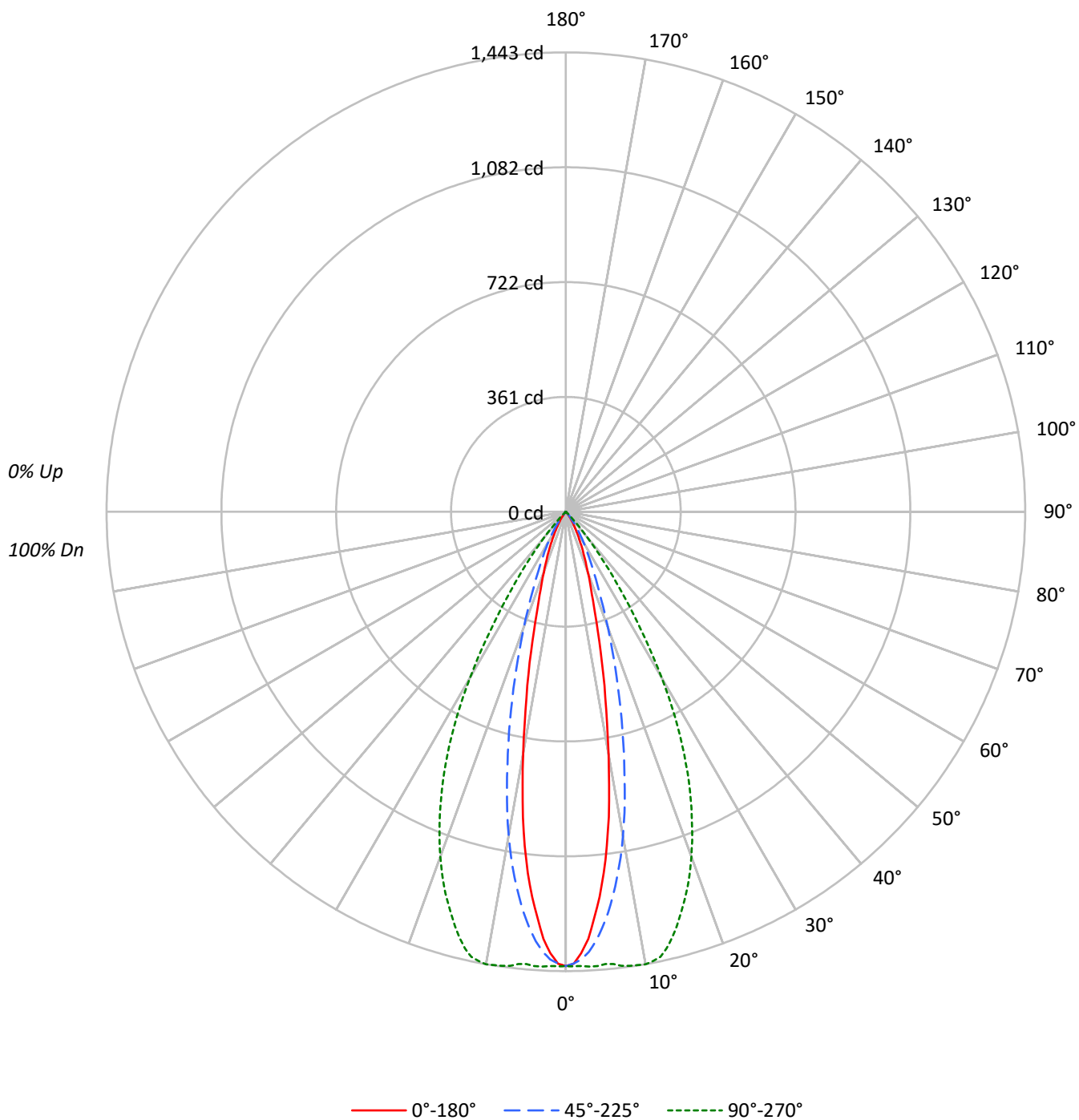
Lumens per Lamp: N/A
Luminaire Lumens: 568.5 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	704175	704175	704175
5°	601328	649961	706172
10°	387152	518156	723004
15°	198586	345584	688001
20°	106055	201977	605143
25°	59118	110724	492214
30°	31504	63064	342893
35°	13732	30415	178758
40°	3993	8888	67753
45°	977	2442	10117
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: 10117 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.8	20.7
10°-20°	214.4	37.7
20°-30°	162.6	28.6
30°-40°	65.0	11.4
40°-50°	6.6	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°	494.8	87.0
0°-40°	559.8	98.5
0°-60°	567.1	99.8
0°-90°	568.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	568.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1427	1427	1427	1427	1427	
5°	1214	1241	1312	1388	1426	102
15°	389	451	677	1114	1347	111
25°	109	127	203	581	904	51
35°	23	28	50	154	297	16
45°	1	2	4	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°	1427.3	1427.3	1427.3	1427.3	1427.3
1°	1419.7	1420.4	1419.0	1421.0	1428.0
2°	1387.8	1398.2	1407.2	1416.2	1428.0
3°	1343.6	1356.0	1384.4	1412.7	1430.7
4°	1278.5	1304.1	1352.6	1404.4	1430.7
5°	1214.2	1241.2	1312.4	1388.5	1425.9
6°	1140.9	1179.6	1266.1	1373.3	1428.7
7°	1057.8	1105.6	1214.9	1363.6	1437.0
8°	967.9	1021.9	1158.8	1342.9	1440.4
9°	868.3	934.0	1099.3	1318.0	1441.8
10°	772.8	842.0	1034.3	1289.6	1443.2
11°	677.3	749.3	963.7	1261.9	1437.7
12°	596.4	664.9	889.7	1232.9	1429.3
13°	521.7	588.1	816.4	1198.3	1407.9
14°	452.5	517.5	745.8	1158.1	1379.5
15°	388.8	451.1	676.6	1113.9	1347.0
16°	331.4	389.5	610.2	1064.7	1311.0
17°	289.9	336.2	547.9	1012.9	1275.8
18°	257.4	292.0	489.1	961.7	1238.4
19°	228.3	256.0	434.5	908.4	1196.9
20°	202.0	226.9	384.7	853.0	1152.6
21°	179.9	201.3	338.3	798.4	1107.6
22°	160.5	179.2	296.8	744.4	1058.5
23°	142.5	159.1	261.5	689.8	1009.4
24°	125.2	143.2	230.4	634.4	958.2
25°	108.6	126.6	203.4	581.1	904.2
26°	95.5	112.1	180.6	529.3	848.2
27°	82.3	99.6	160.5	479.4	791.5
28°	72.0	87.9	142.5	431.7	729.9
29°	62.3	77.5	125.9	384.7	666.9
30°	55.3	67.1	110.7	340.4	601.9
32.5°	38.1	45.0	77.5	239.4	439.3
35°	22.8	28.4	50.5	153.6	296.8
37.5°	12.5	15.2	29.1	92.0	186.8
40°	6.2	7.6	13.8	45.0	105.2
42.5°	2.8	3.5	6.2	17.3	45.0
45°	1.4	2.1	3.5	6.9	14.5
47.5°	0.7	1.4	1.4	2.8	4.2
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)