

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: P1178963

Luminaire Tested: LDA2B109035R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178963
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: LDA2B109035R2060D010 2LBDC1MMS
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

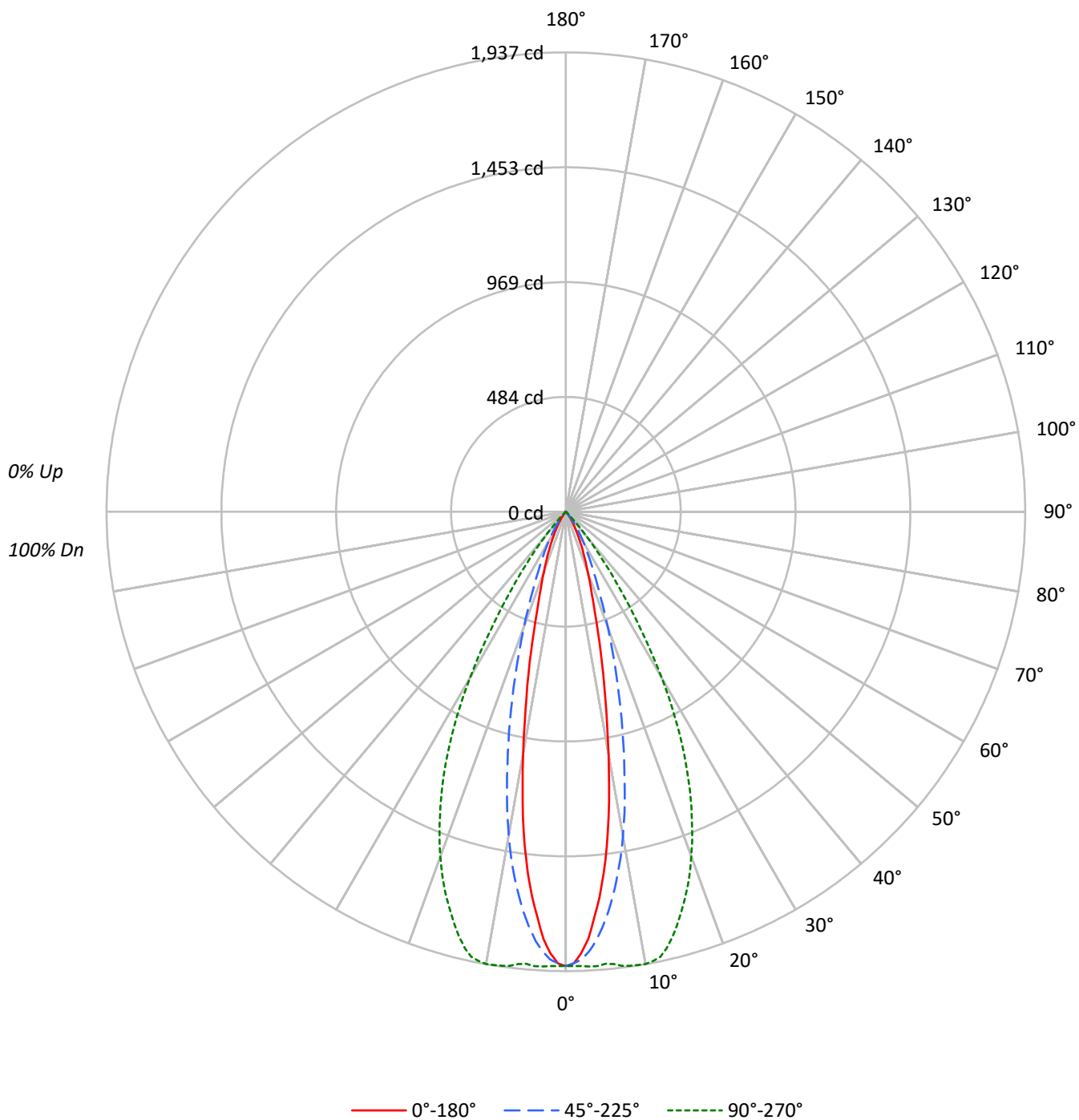
Lumens per Lamp: N/A
Luminaire Lumens: 762.9 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	66	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	945035	945035	945035
5°	807004	872327	947703
10°	519559	695400	970284
15°	266518	463826	923362
20°	142334	271018	812161
25°	79368	148612	660586
30°	42328	84655	460192
35°	18430	40835	239890
40°	5410	11979	90874
45°	1326	3210	13606
50°	691	691	1458
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: 13606 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.1	20.7
10°-20°	287.8	37.7
20°-30°	218.2	28.6
30°-40°	87.3	11.4
40°-50°	8.9	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°	664.1	87.0
0°-40°	751.3	98.5
0°-60°	761.1	99.8
0°-90°	762.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	762.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1916	1916	1916	1916	1916	
5°	1630	1666	1761	1864	1914	136
15°	522	605	908	1495	1808	149
25°	146	170	273	780	1214	69
35°	31	38	68	206	398	21
45°	2	3	5	9	20	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°	1915.5	1915.5	1915.5	1915.5	1915.5
1°	1905.3	1906.2	1904.3	1907.1	1916.4
2°	1862.6	1876.5	1888.6	1900.6	1916.4
3°	1803.1	1819.8	1857.9	1896.0	1920.1
4°	1715.9	1750.2	1815.2	1884.8	1920.1
5°	1629.5	1665.7	1761.4	1863.5	1913.6
6°	1531.1	1583.1	1699.1	1843.1	1917.3
7°	1419.7	1483.7	1630.4	1830.1	1928.5
8°	1299.0	1371.4	1555.2	1802.2	1933.1
9°	1165.3	1253.5	1475.4	1768.8	1935.0
10°	1037.1	1130.0	1388.1	1730.7	1936.8
11°	909.0	1005.6	1293.4	1693.6	1929.4
12°	800.4	892.3	1194.0	1654.6	1918.3
13°	700.1	789.2	1095.6	1608.1	1889.5
14°	607.2	694.5	1000.9	1554.3	1851.4
15°	521.8	605.4	908.1	1494.9	1807.8
16°	444.7	522.7	818.9	1428.9	1759.5
17°	389.0	451.2	735.4	1359.3	1712.1
18°	345.4	391.8	656.4	1290.6	1662.0
19°	306.4	343.5	583.1	1219.1	1606.3
20°	271.1	304.5	516.2	1144.8	1546.9
21°	241.4	270.2	454.0	1071.5	1486.5
22°	215.4	240.5	398.3	999.1	1420.6
23°	191.3	213.6	351.0	925.7	1354.7
24°	168.1	192.2	309.2	851.4	1286.0
25°	145.8	169.9	273.0	779.9	1213.5
26°	128.1	150.4	242.3	710.3	1138.3
27°	110.5	133.7	215.4	643.4	1062.2
28°	96.6	117.9	191.3	579.4	979.6
29°	83.6	104.0	169.0	516.2	895.1
30°	74.3	90.1	148.6	456.8	807.8
32.5°	51.1	60.4	104.0	321.3	589.6
35°	30.6	38.1	67.8	206.1	398.3
37.5°	16.7	20.4	39.0	123.5	250.7
40°	8.4	10.2	18.6	60.4	141.1
42.5°	3.7	4.6	8.4	23.2	60.4
45°	1.9	2.8	4.6	9.3	19.5
47.5°	0.9	1.9	1.9	3.7	5.6
50°	0.9	0.9	0.9	1.9	1.9
52.5°	0.9	0.9	0.9	1.9	1.9
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)