

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: P1178651

Luminaire Tested: LDA2B108027R2060D010 2LBD1WHH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178651
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 2LBD1WHH
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

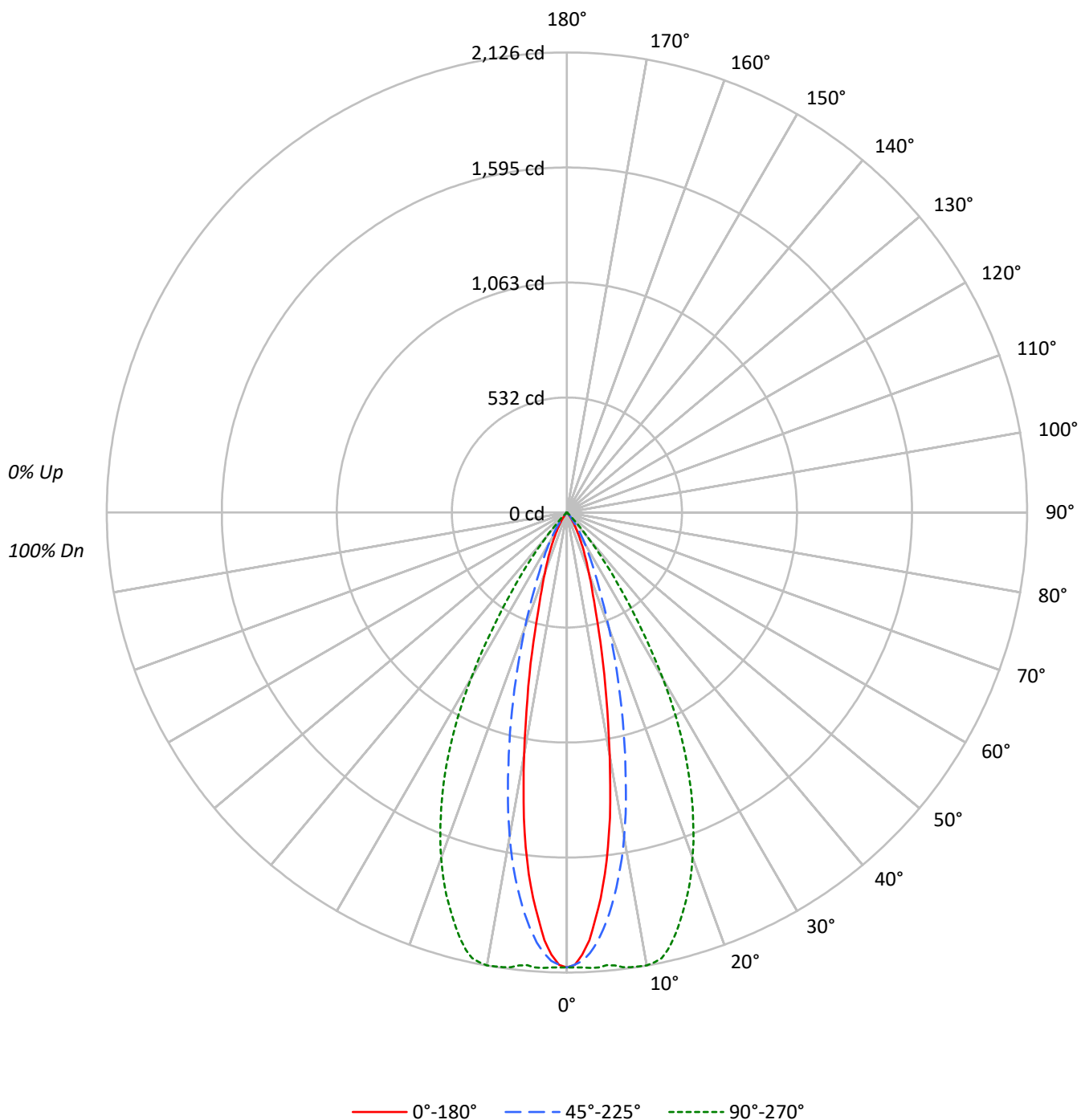
Lumens per Lamp: N/A
Luminaire Lumens: 837.4 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1037293	1037293	1037293
5°	885798	957460	1040265
10°	570307	763282	1065018
15°	292567	509080	1013512
20°	156247	297479	891439
25°	87098	163092	725094
30°	46429	92916	505140
35°	20237	44810	263318
40°	5925	13138	99761
45°	1395	3558	14931
50°	768	768	1535
55°	860	860	860
60°	0	987	987
65°	0	1167	1167
70°	0	1442	1442
75°	0	1906	1906
80°	0	2841	2841
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 14931 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.5	20.7
10°-20°	315.9	37.7
20°-30°	239.5	28.6
30°-40°	95.8	11.4
40°-50°	9.7	1.2
50°-60°	1.0	0.1
60°-70°	0.9	0.1
70°-80°	0.9	0.1
80°-90°	0.3	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°	728.9	87.0
0°-40°	824.7	98.5
0°-60°	835.4	99.8
0°-90°	837.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	837.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2102	2102	2102	2102	2102	
5°	1789	1828	1933	2045	2100	150
15°	573	664	997	1641	1984	164
25°	160	186	300	856	1332	76
35°	34	42	74	226	437	23
45°	2	3	5	10	21	2
55°	1	1	1	1	1	1
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°	2102.5	2102.5	2102.5	2102.5	2102.5
1°	2091.3	2092.3	2090.3	2093.3	2103.5
2°	2044.4	2059.7	2072.9	2086.2	2103.5
3°	1979.2	1997.5	2039.3	2081.1	2107.6
4°	1883.4	1921.1	1992.4	2068.9	2107.6
5°	1788.6	1828.4	1933.3	2045.4	2100.5
6°	1680.6	1737.6	1865.0	2023.0	2104.5
7°	1558.3	1628.6	1789.6	2008.7	2116.8
8°	1425.8	1505.3	1707.1	1978.2	2121.9
9°	1279.0	1375.9	1619.4	1941.5	2123.9
10°	1138.4	1240.3	1523.6	1899.7	2125.9
11°	997.7	1103.7	1419.7	1858.9	2117.8
12°	878.5	979.4	1310.6	1816.1	2105.6
13°	768.4	866.3	1202.6	1765.2	2074.0
14°	666.5	762.3	1098.6	1706.1	2032.2
15°	572.8	664.5	996.7	1640.8	1984.3
16°	488.2	573.8	898.9	1568.5	1931.3
17°	427.0	495.3	807.2	1492.0	1879.3
18°	379.1	430.1	720.5	1416.6	1824.3
19°	336.3	377.1	640.0	1338.1	1763.1
20°	297.6	334.3	566.6	1256.6	1697.9
21°	265.0	296.6	498.4	1176.1	1631.7
22°	236.4	264.0	437.2	1096.6	1559.3
23°	209.9	234.4	385.2	1016.1	1486.9
24°	184.5	211.0	339.4	934.6	1411.5
25°	160.0	186.5	299.6	856.1	1332.0
26°	140.6	165.1	266.0	779.6	1249.5
27°	121.3	146.8	236.4	706.3	1165.9
28°	106.0	129.4	209.9	635.9	1075.2
29°	91.7	114.1	185.5	566.6	982.5
30°	81.5	98.9	163.1	501.4	886.7
32.5°	56.1	66.2	114.1	352.6	647.2
35°	33.6	41.8	74.4	226.3	437.2
37.5°	18.3	22.4	42.8	135.5	275.2
40°	9.2	11.2	20.4	66.2	154.9
42.5°	4.1	5.1	9.2	25.5	66.2
45°	2.0	3.1	5.1	10.2	21.4
47.5°	1.0	2.0	2.0	4.1	6.1
50°	1.0	1.0	1.0	2.0	2.0
52.5°	1.0	1.0	1.0	2.0	2.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	0.0	1.0	1.0	1.0	1.0
60°	0.0	1.0	1.0	1.0	1.0
62.5°	0.0	1.0	1.0	1.0	1.0
65°	0.0	1.0	1.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.0	1.0	1.0	1.0
70°	0.0	1.0	1.0	1.0	1.0
72.5°	0.0	1.0	1.0	1.0	1.0
75°	0.0	1.0	1.0	1.0	1.0
77.5°	0.0	1.0	1.0	1.0	1.0
80°	0.0	0.0	1.0	1.0	1.0
82.5°	0.0	0.0	1.0	1.0	1.0
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)