

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: P1178653

Luminaire Tested: LDA2B108027R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178653
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 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

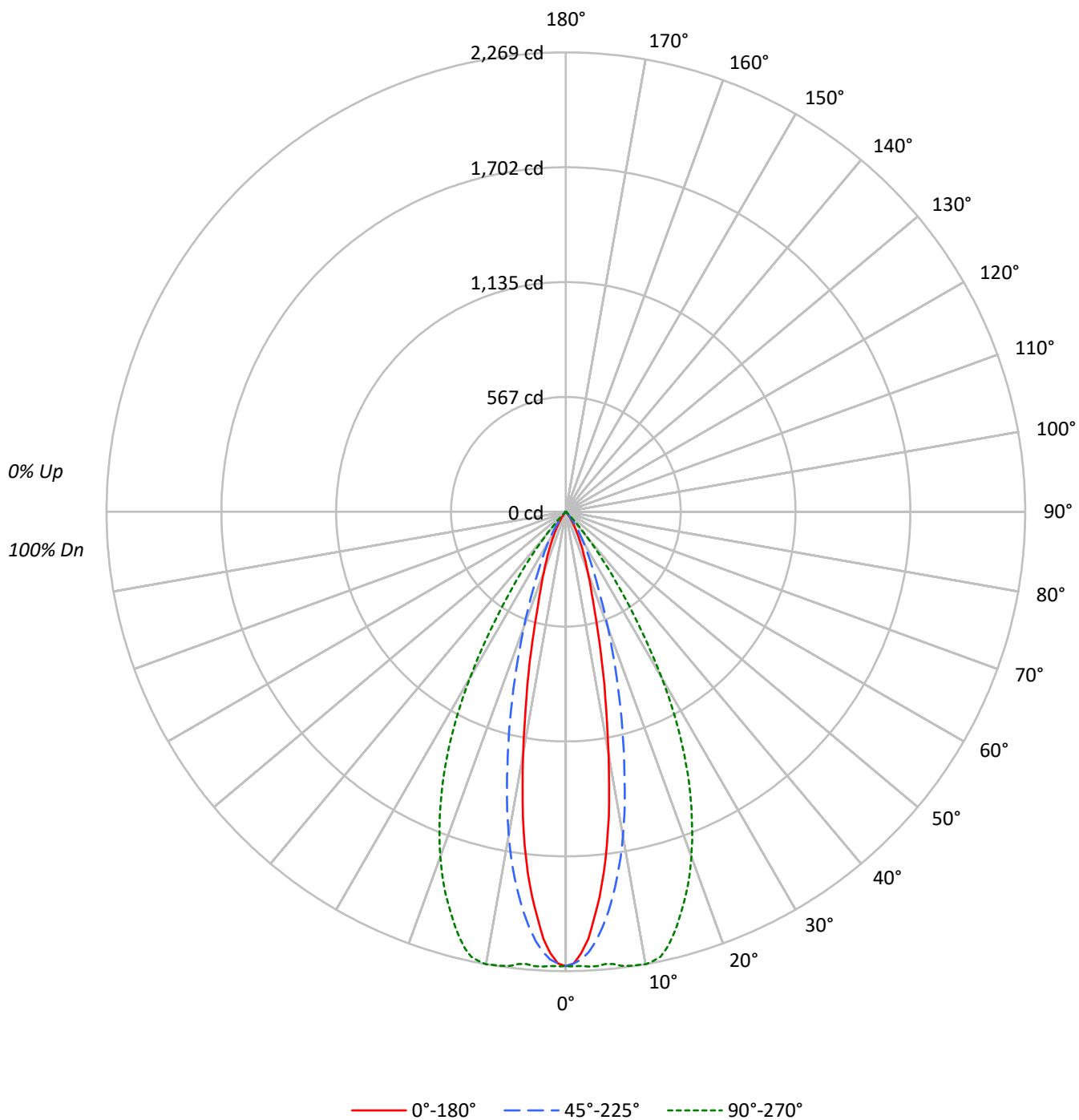
Lumens per Lamp: N/A
Luminaire Lumens: 893.9 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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					0
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	82	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°	1107203	1107203	1107203
5°	945475	1021990	1110342
10°	608732	814732	1136807
15°	312282	543404	1081802
20°	166748	317535	951502
25°	92977	174088	773977
30°	49563	99182	539150
35°	21622	47821	281086
40°	6312	14040	106459
45°	1535	3768	15908
50°	844	844	1689
55°	946	946	946
60°	0	1085	1085
65°	0	1284	1284
70°	0	1587	1587
75°	0	2097	2097
80°	0	3125	3125
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 15908 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.2	20.7
10°-20°	337.2	37.7
20°-30°	255.6	28.6
30°-40°	102.3	11.4
40°-50°	10.4	1.2
50°-60°	1.1	0.1
60°-70°	1.0	0.1
70°-80°	1.0	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°	778.0	87.0
0°-40°	880.3	98.5
0°-60°	891.7	99.8
0°-90°	893.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	893.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2244	2244	2244	2244	2244	
5°	1909	1952	2064	2183	2242	160
15°	611	709	1064	1751	2118	175
25°	171	199	320	914	1422	81
35°	36	45	79	242	467	25
45°	2	3	5	11	23	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2244.2	2244.2	2244.2	2244.2	2244.2
1°	2232.2	2233.3	2231.1	2234.4	2245.3
2°	2182.2	2198.5	2212.6	2226.8	2245.3
3°	2112.5	2132.1	2176.7	2221.3	2249.6
4°	2010.3	2050.5	2126.7	2208.3	2249.6
5°	1909.1	1951.5	2063.6	2183.2	2242.0
6°	1793.8	1854.7	1990.7	2159.3	2246.3
7°	1663.3	1738.3	1910.2	2144.1	2259.4
8°	1521.9	1606.7	1822.1	2111.5	2264.8
9°	1365.2	1468.6	1728.5	2072.3	2267.0
10°	1215.1	1323.9	1626.3	2027.7	2269.2
11°	1065.0	1178.1	1515.3	1984.2	2260.5
12°	937.7	1045.4	1398.9	1938.5	2247.4
13°	820.2	924.6	1283.6	1884.1	2213.7
14°	711.4	813.7	1172.7	1821.0	2169.1
15°	611.4	709.3	1063.9	1751.4	2118.0
16°	521.1	612.4	959.5	1674.1	2061.4
17°	455.8	528.7	861.6	1592.6	2005.9
18°	404.7	459.1	769.1	1512.1	1947.2
19°	359.0	402.5	683.1	1428.3	1881.9
20°	317.6	356.8	604.8	1341.3	1812.3
21°	282.8	316.6	531.9	1255.3	1741.6
22°	252.4	281.7	466.7	1170.5	1664.4
23°	224.1	250.2	411.2	1084.6	1587.1
24°	196.9	225.2	362.2	997.5	1506.6
25°	170.8	199.1	319.8	913.8	1421.8
26°	150.1	176.2	283.9	832.2	1333.7
27°	129.5	156.6	252.4	753.9	1244.5
28°	113.1	138.2	224.1	678.8	1147.6
29°	97.9	121.8	198.0	604.8	1048.7
30°	87.0	105.5	174.1	535.2	946.4
32.5°	59.8	70.7	121.8	376.4	690.8
35°	35.9	44.6	79.4	241.5	466.7
37.5°	19.6	23.9	45.7	144.7	293.7
40°	9.8	12.0	21.8	70.7	165.3
42.5°	4.4	5.4	9.8	27.2	70.7
45°	2.2	3.3	5.4	10.9	22.8
47.5°	1.1	2.2	2.2	4.4	6.5
50°	1.1	1.1	1.1	2.2	2.2
52.5°	1.1	1.1	1.1	2.2	2.2
55°	1.1	1.1	1.1	1.1	1.1
57.5°	0.0	1.1	1.1	1.1	1.1
60°	0.0	1.1	1.1	1.1	1.1
62.5°	0.0	1.1	1.1	1.1	1.1
65°	0.0	1.1	1.1	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.1	1.1	1.1	1.1
70°	0.0	1.1	1.1	1.1	1.1
72.5°	0.0	1.1	1.1	1.1	1.1
75°	0.0	1.1	1.1	1.1	1.1
77.5°	0.0	1.1	1.1	1.1	1.1
80°	0.0	0.0	1.1	1.1	1.1
82.5°	0.0	0.0	1.1	1.1	1.1
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)