

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: P1178766

Luminaire Tested: LDA2B108040R2060D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178766
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: LDA2B108040R2060D010 2LBD1WMH
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

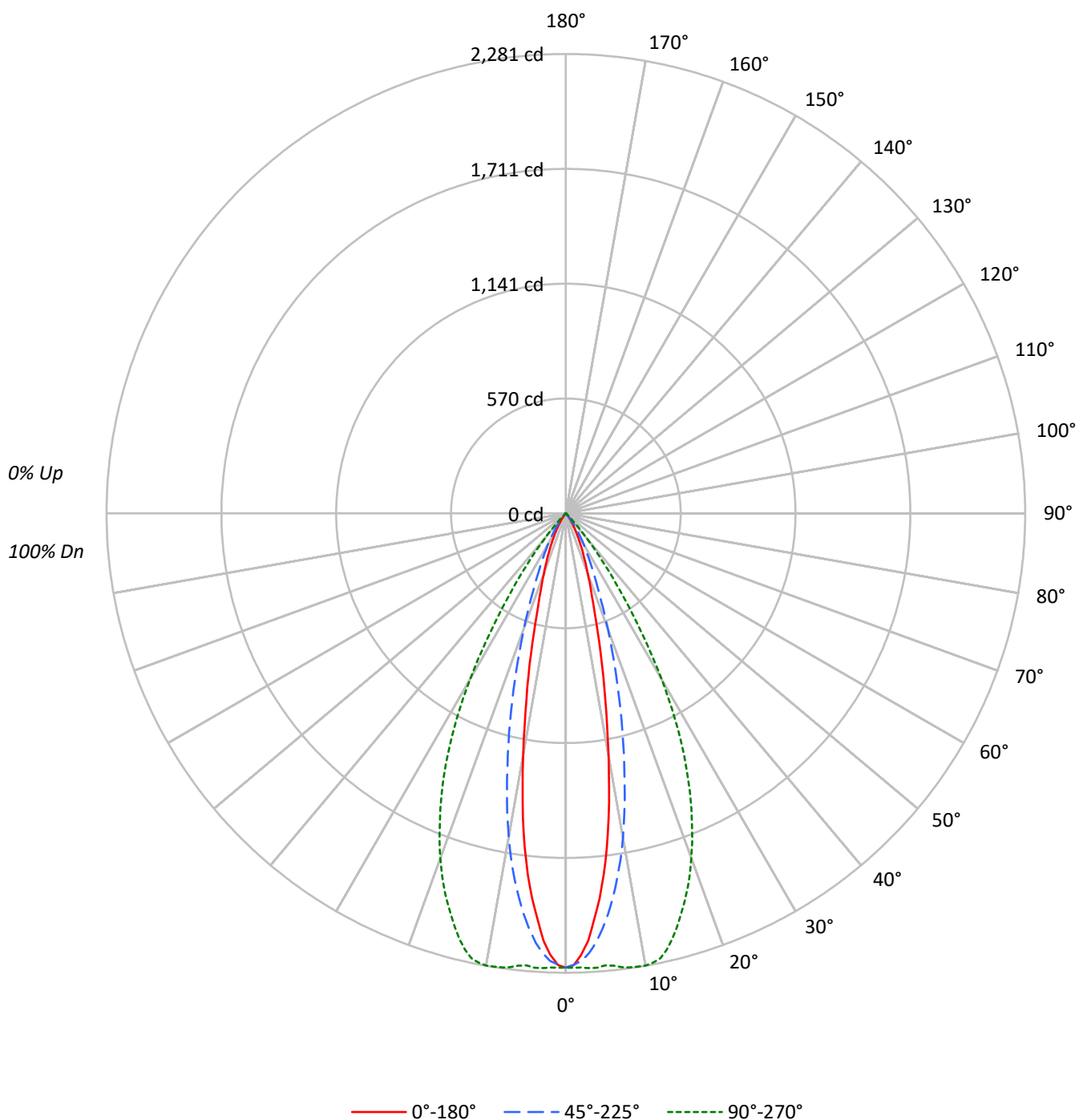
Lumens per Lamp: N/A
Luminaire Lumens: 898.4 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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°	1112728	1112728	1112728
5°	950229	1027141	1115939
10°	611788	818840	1142518
15°	313814	546111	1087216
20°	167588	319162	956280
25°	93413	174959	777842
30°	49847	99638	541884
35°	21742	48062	282471
40°	6312	14104	107039
45°	1535	3837	16048
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: 16048 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.2	20.7
10°-20°	338.9	37.7
20°-30°	256.9	28.6
30°-40°	102.8	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°	781.9	87.0
0°-40°	884.7	98.5
0°-60°	896.2	99.8
0°-90°	898.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	898.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2255	2255	2255	2255	2255	
5°	1919	1961	2074	2194	2253	161
15°	614	713	1069	1760	2129	176
25°	172	200	321	918	1429	81
35°	36	45	80	243	469	25
45°	2	3	6	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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2255.4	2255.4	2255.4	2255.4	2255.4
1°	2243.4	2244.5	2242.3	2245.6	2256.5
2°	2193.1	2209.5	2223.7	2238.0	2256.5
3°	2123.2	2142.8	2187.7	2232.5	2260.9
4°	2020.4	2060.8	2137.4	2219.4	2260.9
5°	1918.7	1961.4	2074.0	2194.2	2253.3
6°	1802.8	1864.0	2000.7	2170.2	2257.6
7°	1671.6	1747.1	1919.8	2154.9	2270.8
8°	1529.5	1614.8	1831.3	2122.1	2276.2
9°	1372.1	1475.9	1737.2	2082.7	2278.4
10°	1221.2	1330.5	1634.5	2037.9	2280.6
11°	1070.3	1184.0	1522.9	1994.2	2271.8
12°	942.4	1050.6	1406.0	1948.2	2258.7
13°	824.3	929.3	1290.1	1893.6	2224.8
14°	715.0	817.8	1178.6	1830.2	2180.0
15°	614.4	712.8	1069.2	1760.2	2128.6
16°	523.7	615.5	964.3	1682.6	2071.8
17°	458.1	531.3	865.9	1600.6	2016.0
18°	406.7	461.4	773.0	1519.7	1957.0
19°	360.8	404.5	686.6	1435.5	1891.4
20°	319.2	358.6	607.9	1348.0	1821.4
21°	284.3	318.1	534.6	1261.6	1750.3
22°	253.6	283.2	469.0	1176.4	1672.7
23°	225.2	251.5	413.3	1090.0	1595.1
24°	197.9	226.3	364.1	1002.5	1514.2
25°	171.6	200.1	321.4	918.4	1428.9
26°	150.9	177.1	285.3	836.4	1340.4
27°	130.1	157.4	253.6	757.6	1250.7
28°	113.7	138.8	225.2	682.2	1153.4
29°	98.4	122.4	199.0	607.9	1053.9
30°	87.5	106.0	174.9	537.9	951.2
32.5°	60.1	71.1	122.4	378.3	694.2
35°	36.1	44.8	79.8	242.7	469.0
37.5°	19.7	24.1	45.9	145.4	295.2
40°	9.8	12.0	21.9	71.1	166.2
42.5°	4.4	5.5	9.8	27.3	71.1
45°	2.2	3.3	5.5	10.9	23.0
47.5°	1.1	2.2	2.2	4.4	6.6
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)