

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: P1178690

Luminaire Tested: LDA2B108030R2060D010 2LBD1WHH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178690
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: LDA2B108030R2060D010 2LBD1WHH
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

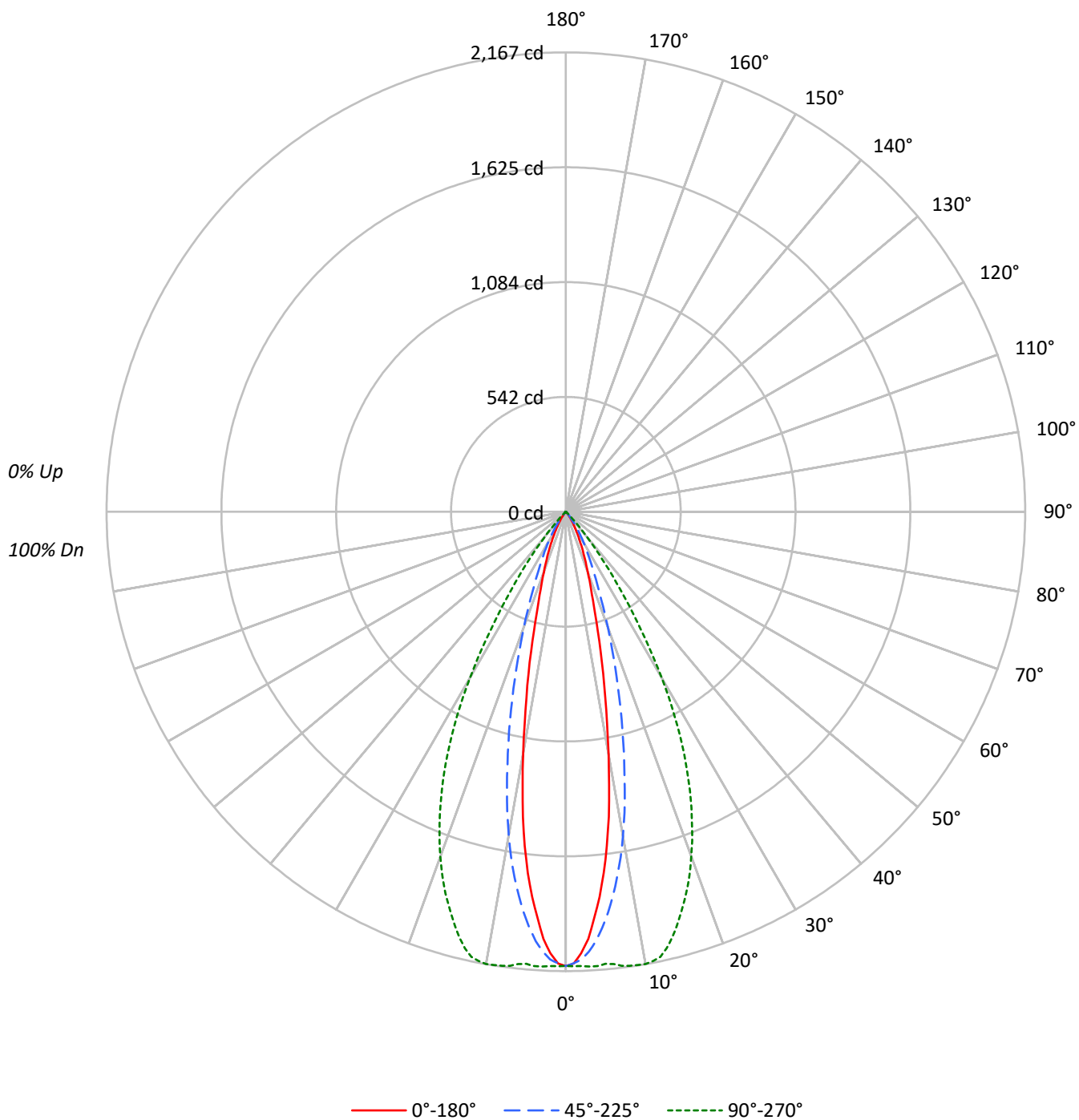
Lumens per Lamp: N/A
Luminaire Lumens: 853.5 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	93	92	90
3	105	100	96	92	103	99	95	92	96	93	90		94	91	89		91	89	87	86
4	101	95	90	87	99	94	89	86	92	88	85		90	87	84		88	85	83	82
5	97	90	85	82	96	89	85	81	88	84	81		86	83	80		85	82	79	78
6	93	86	81	77	92	85	81	77	84	80	77		83	79	76		81	78	76	74
7	90	82	77	74	89	81	77	73	80	76	73		79	75	73		78	75	72	71
8	86	79	74	70	85	78	73	70	77	73	70		76	72	69		75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67		73	69	66		72	69	66	65
10	80	72	67	64	79	72	67	64	71	67	64		70	66	64		70	66	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1057274	1057274	1057274
5°	902884	975932	1060322
10°	581279	778011	1085558
15°	298185	518887	1033024
20°	159240	303254	908608
25°	88786	166249	739084
30°	47341	94682	514881
35°	20658	45653	268378
40°	5990	13396	101694
45°	1465	3628	15210
50°	768	768	1612
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: 15210 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.9	20.7
10°-20°	322.0	37.7
20°-30°	244.1	28.6
30°-40°	97.6	11.4
40°-50°	9.9	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°	742.9	87.0
0°-40°	840.6	98.5
0°-60°	851.5	99.8
0°-90°	853.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	853.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2143	2143	2143	2143	2143	
5°	1823	1864	1971	2085	2141	153
15°	584	677	1016	1672	2022	167
25°	163	190	305	873	1358	77
35°	34	43	76	231	446	24
45°	2	3	5	10	22	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°	2143.0	2143.0	2143.0	2143.0	2143.0
1°	2131.6	2132.7	2130.6	2133.7	2144.1
2°	2083.8	2099.4	2112.9	2126.4	2144.1
3°	2017.3	2036.0	2078.6	2121.2	2148.2
4°	1919.7	1958.1	2030.9	2108.8	2148.2
5°	1823.1	1863.6	1970.6	2084.9	2141.0
6°	1713.0	1771.2	1901.0	2062.0	2145.1
7°	1588.3	1660.0	1824.1	2047.5	2157.6
8°	1453.3	1534.3	1740.0	2016.3	2162.8
9°	1303.7	1402.4	1650.7	1978.9	2164.9
10°	1160.3	1264.2	1553.0	1936.3	2166.9
11°	1017.0	1125.0	1447.0	1894.8	2158.6
12°	895.4	998.3	1335.9	1851.1	2146.2
13°	783.3	883.0	1225.8	1799.2	2114.0
14°	679.4	777.0	1119.8	1738.9	2071.4
15°	583.8	677.3	1015.9	1672.5	2022.5
16°	497.6	584.8	916.2	1598.7	1968.5
17°	435.3	504.9	822.7	1520.8	1915.5
18°	386.4	438.4	734.4	1443.9	1859.4
19°	342.8	384.4	652.4	1363.9	1797.1
20°	303.3	340.7	577.6	1280.8	1730.6
21°	270.1	302.3	508.0	1198.8	1663.1
22°	241.0	269.0	445.6	1117.7	1589.4
23°	214.0	238.9	392.7	1035.7	1515.6
24°	188.0	215.0	345.9	952.6	1438.7
25°	163.1	190.1	305.4	872.6	1357.7
26°	143.4	168.3	271.1	794.7	1273.6
27°	123.6	149.6	241.0	719.9	1188.4
28°	108.0	131.9	214.0	648.2	1095.9
29°	93.5	116.3	189.1	577.6	1001.4
30°	83.1	100.8	166.2	511.1	903.8
32.5°	57.1	67.5	116.3	359.4	659.6
35°	34.3	42.6	75.8	230.6	445.6
37.5°	18.7	22.9	43.6	138.2	280.5
40°	9.3	11.4	20.8	67.5	157.9
42.5°	4.2	5.2	9.3	26.0	67.5
45°	2.1	3.1	5.2	10.4	21.8
47.5°	1.0	2.1	2.1	4.2	6.2
50°	1.0	1.0	1.0	2.1	2.1
52.5°	1.0	1.0	1.0	2.1	2.1
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)