

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: P1178721

Luminaire Tested: LDA2B108035R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178721
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: LDA2B108035R2060D010 2LBD1LI
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

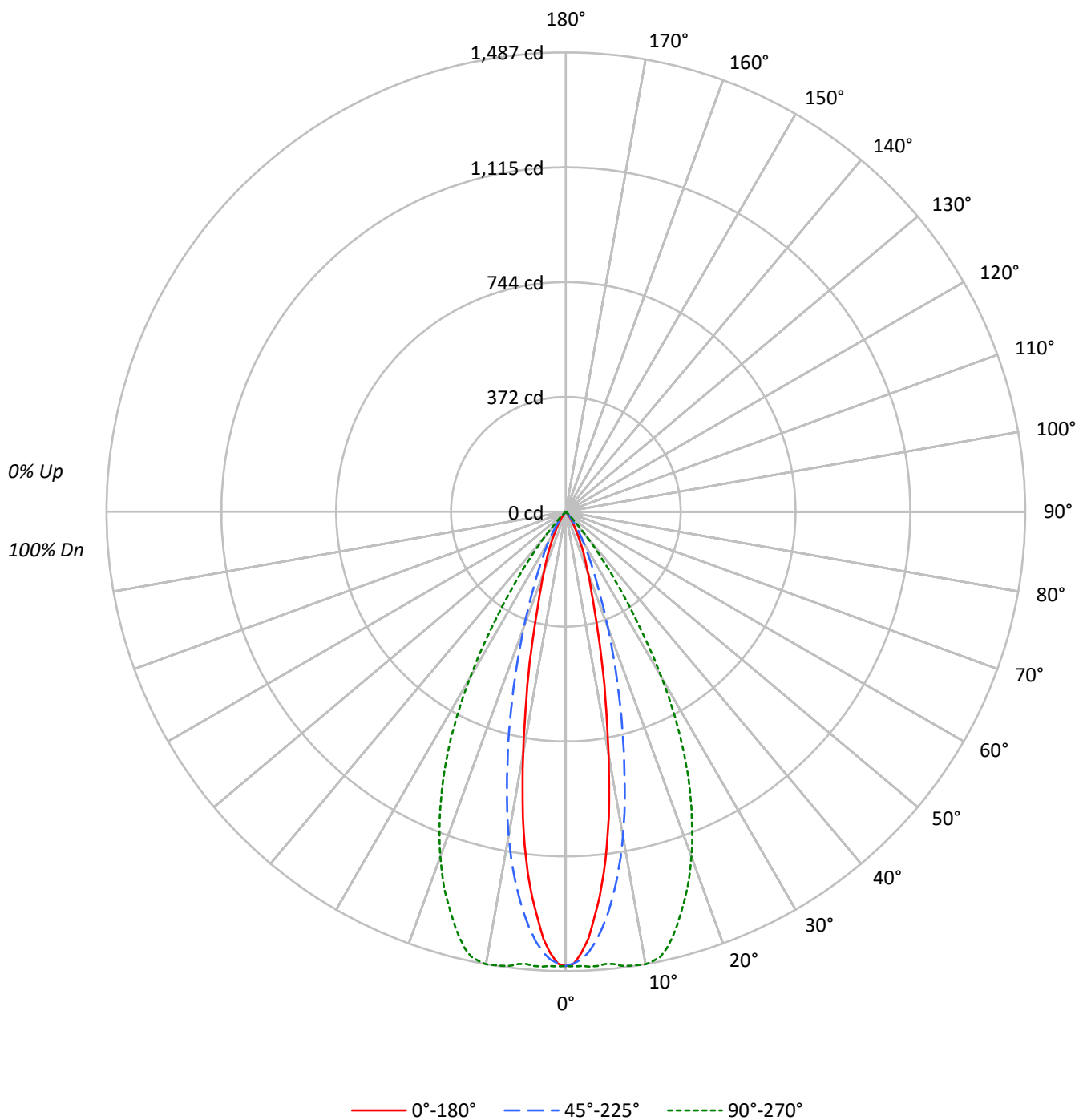
Lumens per Lamp: N/A
Luminaire Lumens: 585.9 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	725686	725686	725686
5°	619702	669870	727765
10°	398975	533987	745097
15°	204664	356157	709045
20°	109310	208120	623677
25°	60914	114099	507293
30°	32472	65001	353376
35°	14154	31319	184239
40°	4122	9210	69814
45°	977	2512	10466
50°	537	537	1075
55°	602	602	602
60°	0	691	691
65°	0	817	817
70°	0	1010	1010
75°	0	1334	1334
80°	0	1989	1989
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 10466 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.4	20.7
10°-20°	221.0	37.7
20°-30°	167.5	28.6
30°-40°	67.0	11.4
40°-50°	6.8	1.2
50°-60°	0.7	0.1
60°-70°	0.6	0.1
70°-80°	0.6	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°	509.9	87.0
0°-40°	577.0	98.5
0°-60°	584.4	99.8
0°-90°	585.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	585.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1471	1471	1471	1471	1471	
5°	1251	1279	1353	1431	1470	105
15°	401	465	697	1148	1388	115
25°	112	130	210	599	932	53
35°	24	29	52	158	306	16
45°	1	2	4	7	15	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°	1470.9	1470.9	1470.9	1470.9	1470.9
1°	1463.1	1463.8	1462.4	1464.5	1471.6
2°	1430.3	1441.0	1450.3	1459.5	1471.6
3°	1384.7	1397.5	1426.7	1456.0	1474.5
4°	1317.6	1344.0	1393.9	1447.4	1474.5
5°	1251.3	1279.1	1352.6	1431.0	1469.5
6°	1175.8	1215.7	1304.8	1415.3	1472.4
7°	1090.2	1139.4	1252.0	1405.3	1480.9
8°	997.5	1053.1	1194.3	1383.9	1484.5
9°	894.8	962.6	1133.0	1358.3	1485.9
10°	796.4	867.7	1065.9	1329.0	1487.3
11°	698.0	772.2	993.2	1300.5	1481.6
12°	614.6	685.2	916.9	1270.6	1473.1
13°	537.6	606.1	841.3	1234.9	1451.0
14°	466.3	533.3	768.6	1193.6	1421.7
15°	400.7	464.9	697.3	1147.9	1388.2
16°	341.5	401.4	628.9	1097.3	1351.1
17°	298.8	346.5	564.7	1043.8	1314.8
18°	265.2	300.9	504.1	991.1	1276.3
19°	235.3	263.8	447.8	936.2	1233.5
20°	208.2	233.9	396.4	879.1	1187.9
21°	185.4	207.5	348.7	822.8	1141.5
22°	165.4	184.7	305.9	767.2	1090.9
23°	146.9	164.0	269.5	710.9	1040.3
24°	129.1	147.6	237.4	653.8	987.5
25°	111.9	130.5	209.6	598.9	931.9
26°	98.4	115.5	186.1	545.5	874.1
27°	84.8	102.7	165.4	494.1	815.7
28°	74.2	90.6	146.9	444.9	752.2
29°	64.2	79.9	129.8	396.4	687.3
30°	57.0	69.2	114.1	350.8	620.3
32.5°	39.2	46.3	79.9	246.7	452.8
35°	23.5	29.2	52.0	158.3	305.9
37.5°	12.8	15.7	29.9	94.8	192.5
40°	6.4	7.8	14.3	46.3	108.4
42.5°	2.9	3.6	6.4	17.8	46.3
45°	1.4	2.1	3.6	7.1	15.0
47.5°	0.7	1.4	1.4	2.9	4.3
50°	0.7	0.7	0.7	1.4	1.4
52.5°	0.7	0.7	0.7	1.4	1.4
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.0	0.7	0.7	0.7	0.7
60°	0.0	0.7	0.7	0.7	0.7
62.5°	0.0	0.7	0.7	0.7	0.7
65°	0.0	0.7	0.7	0.7	0.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.7	0.7	0.7	0.7
70°	0.0	0.7	0.7	0.7	0.7
72.5°	0.0	0.7	0.7	0.7	0.7
75°	0.0	0.7	0.7	0.7	0.7
77.5°	0.0	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.7	0.7	0.7
82.5°	0.0	0.0	0.7	0.7	0.7
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)