

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: P1178718

Luminaire Tested: LDA2B108035R2050D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178718
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B108035R2050D010 2LBDC1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

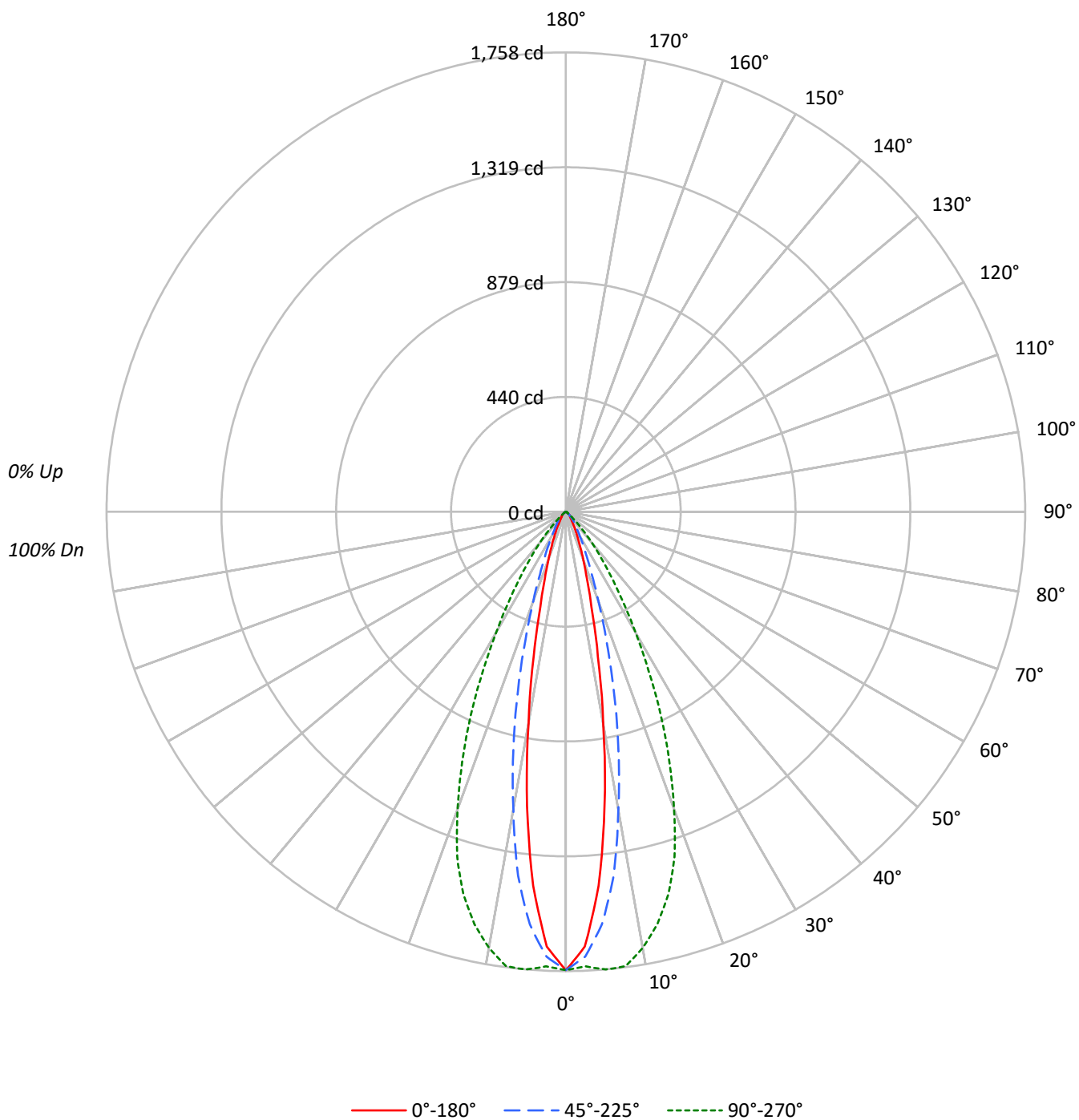
Lumens per Lamp: N/A
Luminaire Lumens: 630.5 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1178718

CATALOG NUMBER: LDA2B108035R2050D010 2LBDC1MW

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	865406	865406	865406
5°	711471	785015	870891
10°	413002	580076	849049
15°	192405	361265	773759
20°	101382	190479	635962
25°	56124	103157	469079
30°	32928	60444	303357
35°	21140	40534	179721
40°	16487	27307	99890
45°	14303	16327	44375
50°	12895	11206	16272
55°	8774	8171	7569
60°	6512	5822	5822
65°	5137	4319	5137
70°	4183	4183	4183
75°	4194	4194	4194
80°	4262	4262	4262
85°	3962	3962	3962

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 44375 cd/sqm

TEST NUMBER: P1178718

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.7	22.2
10°-20°	228.7	36.3
20°-30°	152.5	24.2
30°-40°	68.8	10.9
40°-50°	25.2	4.0
50°-60°	8.8	1.4
60°-70°	4.1	0.7
70°-80°	2.2	0.3
80°-90°	0.6	0.1
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°	520.9	82.6
0°-40°	589.7	93.5
0°-60°	623.6	98.9
0°-90°	630.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	630.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1754	1754	1754	1754	1754	
5°	1437	1481	1585	1701	1758	117
15°	377	442	707	1195	1515	113
25°	103	120	190	516	862	50
35°	35	40	67	146	298	23
45°	20	20	23	37	64	16
55°	10	10	10	8	9	10
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1754.1	1754.1	1754.1	1754.1	1754.1
2.5°	1665.6	1683.1	1703.6	1724.8	1741.6
5°	1436.6	1481.2	1585.1	1700.7	1758.5
7.5°	1136.0	1201.8	1403.7	1631.9	1754.1
10°	824.4	908.5	1157.9	1512.7	1694.8
12.5°	566.9	645.9	929.0	1362.0	1616.6
15°	376.7	442.5	707.3	1195.2	1514.9
17.5°	265.5	310.1	514.2	1013.1	1383.9
20°	193.1	223.1	362.8	834.6	1211.3
22.5°	140.4	163.1	258.2	667.1	1036.5
25°	103.1	120.0	189.5	516.4	861.7
27.5°	76.8	90.0	141.9	392.1	686.9
30°	57.8	68.8	106.1	288.9	532.5
32.5°	44.6	51.9	81.2	206.3	403.0
35°	35.1	39.5	67.3	145.6	298.4
37.5°	29.3	32.2	55.6	101.7	218.7
40°	25.6	27.8	42.4	72.4	155.1
42.5°	22.7	24.1	30.7	51.9	100.9
45°	20.5	20.5	23.4	36.6	63.6
47.5°	19.0	16.8	18.3	25.6	37.3
50°	16.8	13.9	14.6	17.6	21.2
52.5°	13.2	11.7	11.7	11.7	12.4
55°	10.2	9.5	9.5	8.0	8.8
57.5°	8.0	8.0	7.3	6.6	7.3
60°	6.6	6.6	5.9	5.1	5.9
62.5°	5.1	5.1	4.4	4.4	5.1
65°	4.4	4.4	3.7	3.7	4.4
67.5°	3.7	3.7	3.7	2.9	3.7
70°	2.9	2.9	2.9	2.9	2.9
72.5°	2.2	2.2	2.9	2.2	2.2
75°	2.2	2.2	2.2	2.2	2.2
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.7	0.7
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)