

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: P1179120

Luminaire Tested: LDA2B109730R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179120
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: LDA2B109730R2060D010 2LBDC1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

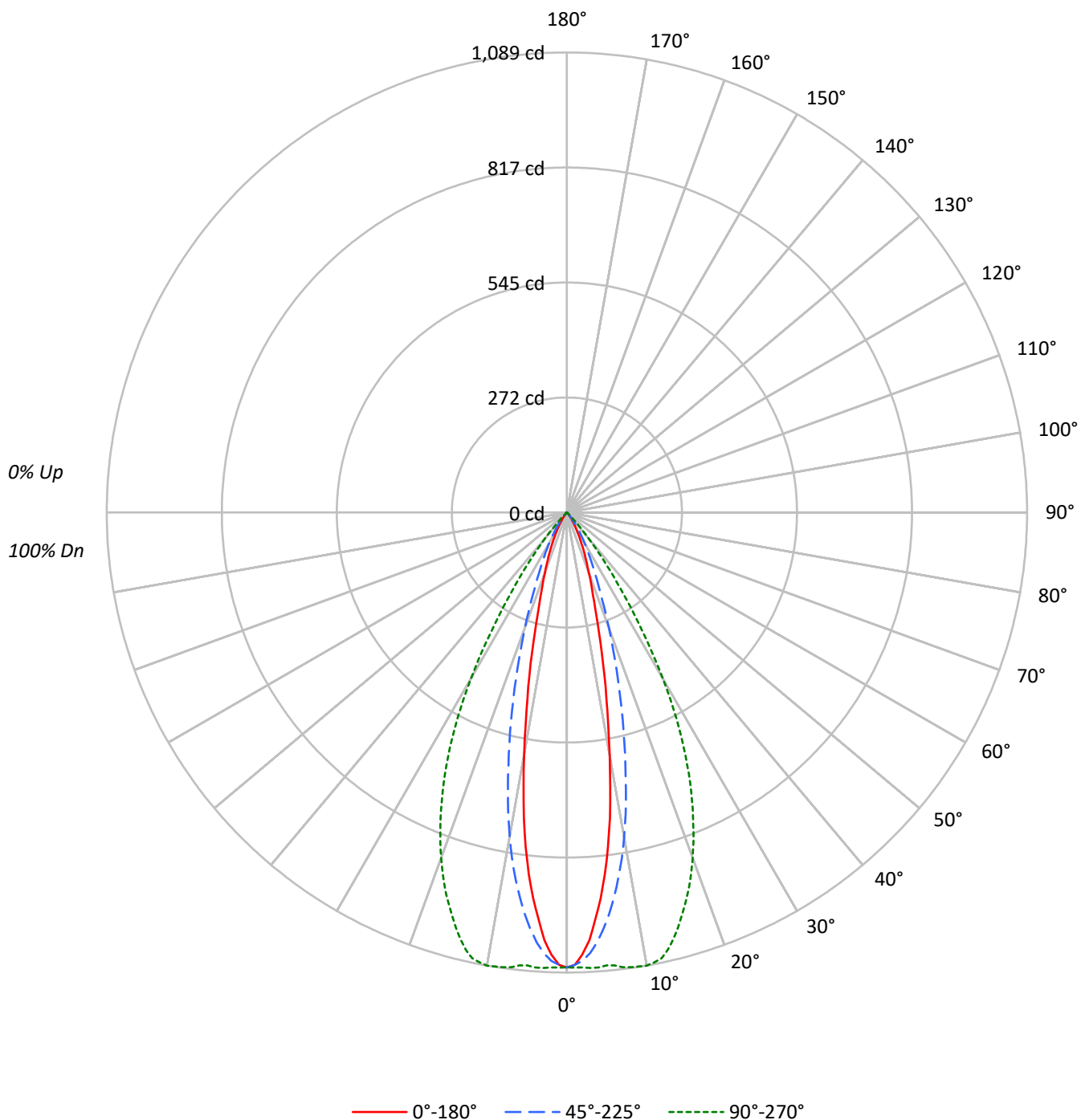
Lumens per Lamp: N/A
Luminaire Lumens: 428.9 lumens
Efficiency: N/A
Efficacy: 42.9 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	67	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	531400	531400	531400
5°	453794	490492	532885
10°	292167	391009	545609
15°	149859	260797	519193
20°	80066	152415	456666
25°	44638	83560	371474
30°	23813	47569	258751
35°	10359	22947	134912
40°	3027	6698	51137
45°	698	1814	7675
50°	384	384	768
55°	430	430	430
60°	0	493	493
65°	0	584	584
70°	0	721	721
75°	0	953	953
80°	0	1421	1421
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7675 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	20.7
10°-20°	161.8	37.7
20°-30°	122.7	28.6
30°-40°	49.1	11.4
40°-50°	5.0	1.2
50°-60°	0.5	0.1
60°-70°	0.4	0.1
70°-80°	0.4	0.1
80°-90°	0.1	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°	373.4	87.1
0°-40°	422.5	98.5
0°-60°	427.9	99.8
0°-90°	428.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	428.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1077	1077	1077	1077	1077	
5°	916	937	990	1048	1076	77
15°	293	340	511	841	1016	84
25°	82	96	154	439	682	39
35°	17	21	38	116	224	12
45°	1	2	3	5	11	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	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°	1077.1	1077.1	1077.1	1077.1	1077.1
1°	1071.3	1071.9	1070.8	1072.4	1077.6
2°	1047.3	1055.2	1061.9	1068.7	1077.6
3°	1013.9	1023.3	1044.7	1066.1	1079.7
4°	964.8	984.2	1020.7	1059.9	1079.7
5°	916.3	936.6	990.4	1047.9	1076.0
6°	860.9	890.2	955.4	1036.4	1078.1
7°	798.3	834.3	916.8	1029.1	1084.4
8°	730.4	771.1	874.5	1013.4	1087.0
9°	655.2	704.8	829.6	994.6	1088.1
10°	583.2	635.4	780.5	973.2	1089.1
11°	511.1	565.4	727.3	952.3	1084.9
12°	450.0	501.7	671.4	930.4	1078.7
13°	393.7	443.8	616.1	904.3	1062.5
14°	341.5	390.5	562.8	874.0	1041.1
15°	293.4	340.4	510.6	840.6	1016.5
16°	250.1	293.9	460.5	803.5	989.4
17°	218.8	253.7	413.5	764.4	962.7
18°	194.2	220.3	369.1	725.7	934.6
19°	172.3	193.2	327.9	685.5	903.2
20°	152.5	171.2	290.3	643.7	869.8
21°	135.7	151.9	255.3	602.5	835.9
22°	121.1	135.2	224.0	561.8	798.8
23°	107.6	120.1	197.4	520.5	761.7
24°	94.5	108.1	173.9	478.8	723.1
25°	82.0	95.5	153.5	438.6	682.4
26°	72.0	84.6	136.3	399.4	640.1
27°	62.1	75.2	121.1	361.8	597.3
28°	54.3	66.3	107.6	325.8	550.8
29°	47.0	58.5	95.0	290.3	503.3
30°	41.8	50.6	83.5	256.9	454.2
32.5°	28.7	33.9	58.5	180.6	331.5
35°	17.2	21.4	38.1	115.9	224.0
37.5°	9.4	11.5	21.9	69.4	141.0
40°	4.7	5.7	10.4	33.9	79.4
42.5°	2.1	2.6	4.7	13.1	33.9
45°	1.0	1.6	2.6	5.2	11.0
47.5°	0.5	1.0	1.0	2.1	3.1
50°	0.5	0.5	0.5	1.0	1.0
52.5°	0.5	0.5	0.5	1.0	1.0
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.0	0.5	0.5	0.5	0.5
60°	0.0	0.5	0.5	0.5	0.5
62.5°	0.0	0.5	0.5	0.5	0.5
65°	0.0	0.5	0.5	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.5	0.5	0.5	0.5
70°	0.0	0.5	0.5	0.5	0.5
72.5°	0.0	0.5	0.5	0.5	0.5
75°	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.5	0.5	0.5
82.5°	0.0	0.0	0.5	0.5	0.5
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)