

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: P1178190

Luminaire Tested: LDA2B058030R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178190
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: LDA2B058030R2060D010 2LBDC1MW
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

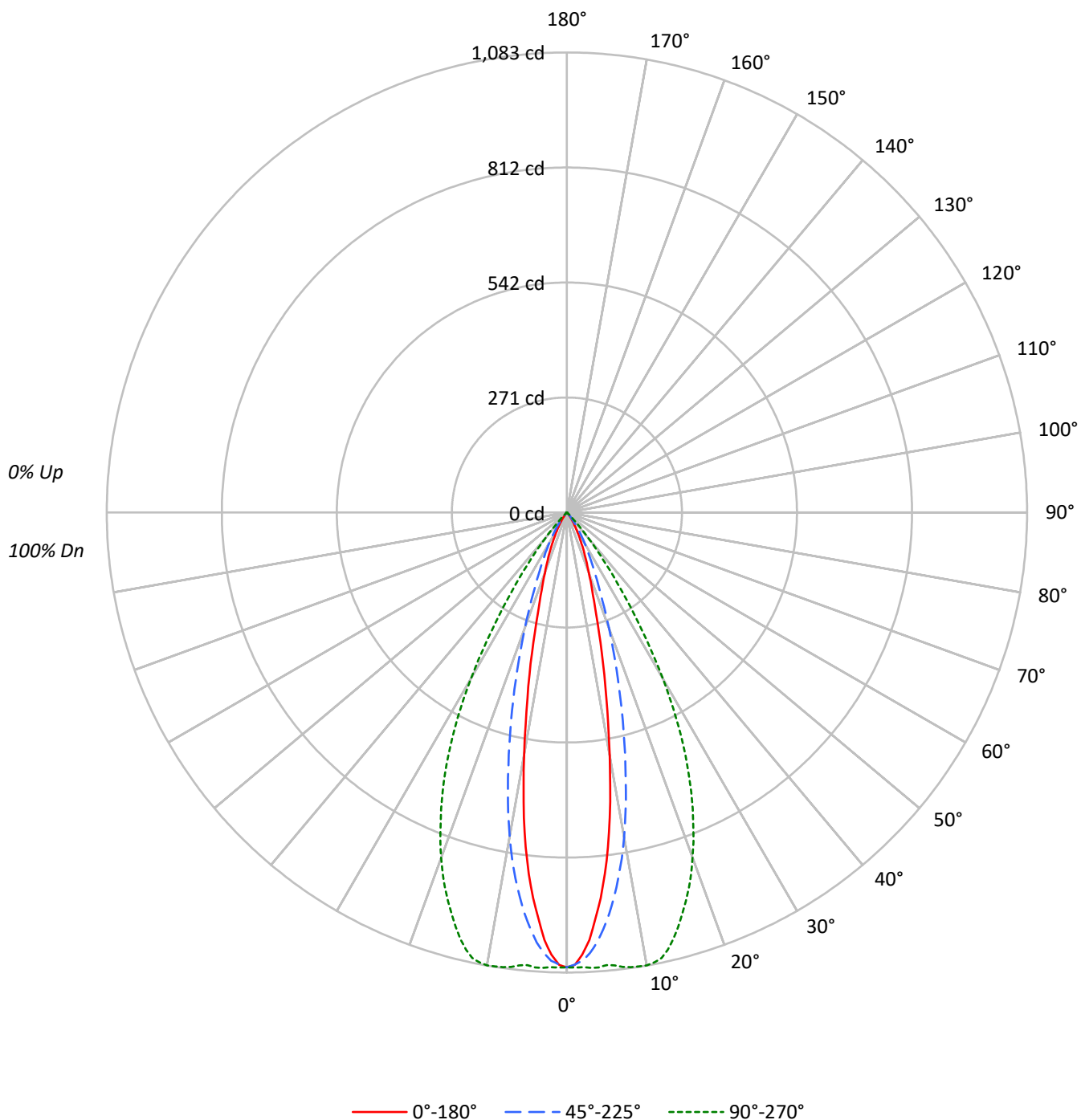
Lumens per Lamp: N/A
Luminaire Lumens: 426.5 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
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°	528292	528292	528292
5°	451169	487669	529815
10°	290464	388755	542453
15°	148990	259265	516180
20°	79594	151522	454041
25°	44366	83070	369297
30°	23642	47341	257270
35°	10299	22827	134129
40°	3027	6698	50815
45°	698	1814	7605
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: 7605 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	20.7
10°-20°	160.9	37.7
20°-30°	122.0	28.6
30°-40°	48.8	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°	371.2	87.0
0°-40°	420.0	98.5
0°-60°	425.5	99.8
0°-90°	426.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	426.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1071	1071	1071	1071	1071	
5°	911	931	985	1042	1070	76
15°	292	338	508	836	1011	83
25°	82	95	153	436	678	39
35°	17	21	38	115	223	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°	1070.8	1070.8	1070.8	1070.8	1070.8
1°	1065.1	1065.6	1064.6	1066.2	1071.4
2°	1041.2	1049.0	1055.8	1062.5	1071.4
3°	1008.0	1017.4	1038.7	1059.9	1073.4
4°	959.2	978.4	1014.8	1053.7	1073.4
5°	911.0	931.2	984.7	1041.8	1069.8
6°	855.9	885.0	949.9	1030.3	1071.9
7°	793.7	829.5	911.5	1023.1	1078.1
8°	726.2	766.7	869.4	1007.5	1080.7
9°	651.4	700.7	824.8	988.8	1081.7
10°	579.8	631.7	776.0	967.5	1082.8
11°	508.2	562.1	723.1	946.8	1078.6
12°	447.4	498.8	667.5	925.0	1072.4
13°	391.4	441.2	612.5	899.0	1056.3
14°	339.5	388.3	559.6	868.9	1035.0
15°	291.7	338.4	507.6	835.7	1010.6
16°	248.6	292.2	457.8	798.8	983.6
17°	217.5	252.3	411.1	759.9	957.2
18°	193.1	219.0	367.0	721.5	929.1
19°	171.3	192.1	326.0	681.5	898.0
20°	151.6	170.3	288.6	640.0	864.8
21°	135.0	151.0	253.8	599.0	831.0
22°	120.4	134.4	222.7	558.5	794.2
23°	106.9	119.4	196.2	517.5	757.3
24°	94.0	107.4	172.8	476.0	718.9
25°	81.5	95.0	152.6	436.0	678.4
26°	71.6	84.1	135.5	397.1	636.4
27°	61.8	74.7	120.4	359.7	593.8
28°	54.0	65.9	106.9	323.9	547.6
29°	46.7	58.1	94.5	288.6	500.4
30°	41.5	50.3	83.1	255.4	451.6
32.5°	28.5	33.7	58.1	179.6	329.6
35°	17.1	21.3	37.9	115.2	222.7
37.5°	9.3	11.4	21.8	69.0	140.1
40°	4.7	5.7	10.4	33.7	78.9
42.5°	2.1	2.6	4.7	13.0	33.7
45°	1.0	1.6	2.6	5.2	10.9
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)