

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: P1178336

Luminaire Tested: LDA2B059024R2060D010 2LBD1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178336
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: LDA2B059024R2060D010 2LBD1MMS
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

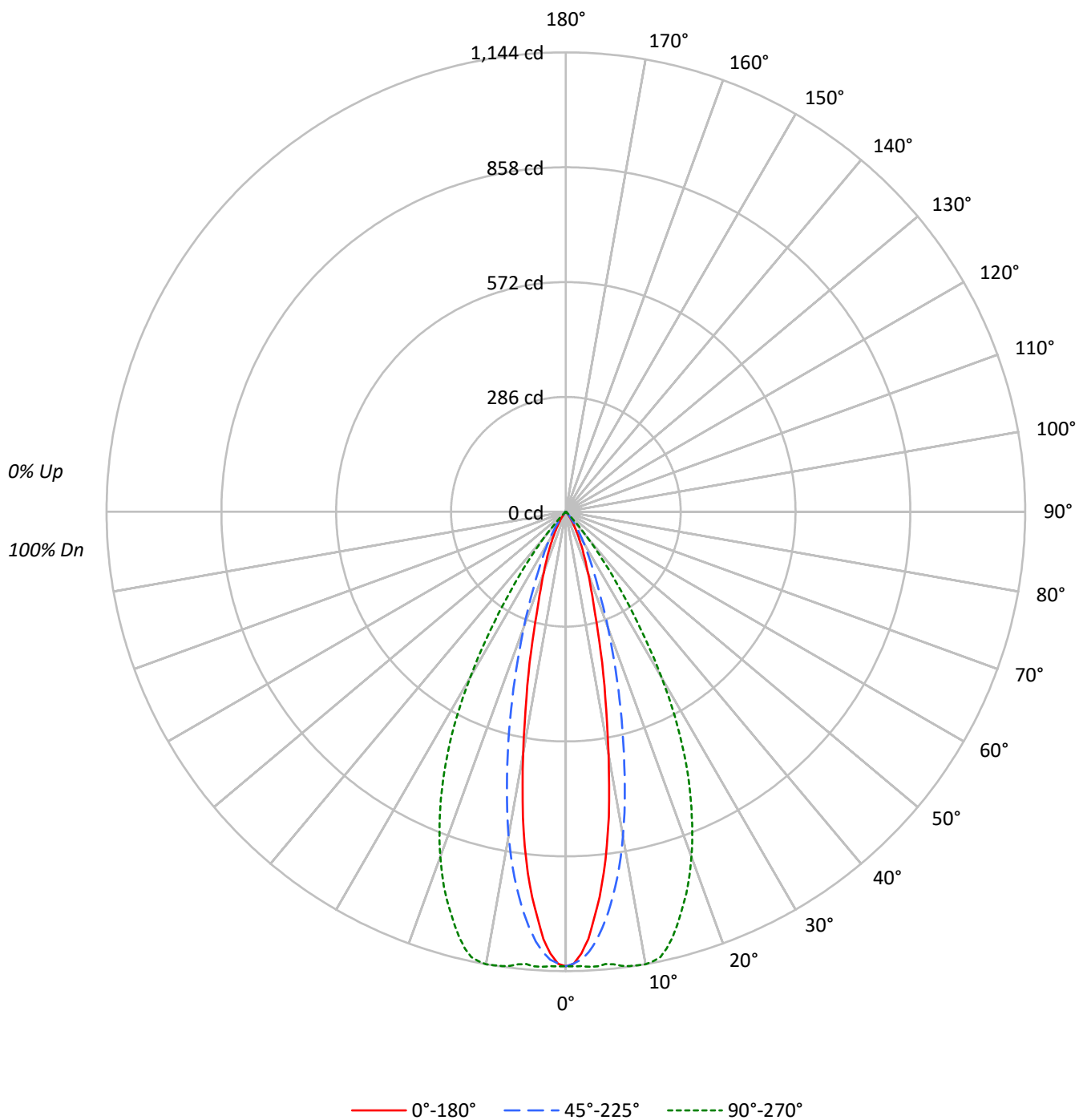
Lumens per Lamp: N/A
Luminaire Lumens: 450.7 lumens
Efficiency: N/A
Efficacy: 64.4 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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	92	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	87	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	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	558436	558436	558436
5°	476873	515452	560025
10°	306996	410898	573363
15°	157469	274077	545600
20°	84109	160133	479873
25°	46870	87806	390364
30°	25009	50018	271911
35°	10901	24152	141778
40°	3156	7084	53713
45°	767	1884	8024
50°	384	384	844
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: 8024 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	20.7
10°-20°	170.1	37.7
20°-30°	128.9	28.6
30°-40°	51.6	11.4
40°-50°	5.2	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°	392.4	87.1
0°-40°	444.0	98.5
0°-60°	449.7	99.8
0°-90°	450.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	450.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1132	1132	1132	1132	1132	
5°	963	984	1041	1101	1131	81
15°	308	358	537	883	1068	88
25°	86	100	161	461	717	41
35°	18	22	40	122	235	12
45°	1	2	3	6	12	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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1131.9	1131.9	1131.9	1131.9	1131.9
1°	1125.8	1126.4	1125.3	1126.9	1132.4
2°	1100.6	1108.8	1115.9	1123.1	1132.4
3°	1065.5	1075.3	1097.8	1120.3	1134.6
4°	1013.9	1034.2	1072.6	1113.8	1134.6
5°	962.9	984.3	1040.8	1101.1	1130.8
6°	904.7	935.4	1004.0	1089.1	1133.0
7°	838.9	876.7	963.4	1081.4	1139.5
8°	767.6	810.4	919.0	1064.9	1142.3
9°	688.6	740.7	871.8	1045.2	1143.4
10°	612.8	667.7	820.2	1022.7	1144.5
11°	537.1	594.2	764.3	1000.7	1140.1
12°	472.9	527.2	705.6	977.7	1133.5
13°	413.7	466.3	647.4	950.3	1116.5
14°	358.8	410.4	591.4	918.4	1094.0
15°	308.3	357.7	536.6	883.3	1068.2
16°	262.8	308.9	483.9	844.4	1039.7
17°	229.9	266.6	434.5	803.2	1011.7
18°	204.1	231.5	387.9	762.6	982.1
19°	181.1	203.0	344.6	720.4	949.2
20°	160.2	180.0	305.0	676.5	914.0
21°	142.6	159.7	268.3	633.1	878.4
22°	127.3	142.1	235.4	590.3	839.4
23°	113.0	126.2	207.4	547.0	800.5
24°	99.3	113.6	182.7	503.1	759.9
25°	86.1	100.4	161.3	460.9	717.1
26°	75.7	88.9	143.2	419.7	672.6
27°	65.3	79.0	127.3	380.2	627.7
28°	57.1	69.7	113.0	342.4	578.8
29°	49.4	61.4	99.9	305.0	528.9
30°	43.9	53.2	87.8	269.9	477.3
32.5°	30.2	35.7	61.4	189.8	348.4
35°	18.1	22.5	40.1	121.8	235.4
37.5°	9.9	12.1	23.0	73.0	148.1
40°	4.9	6.0	11.0	35.7	83.4
42.5°	2.2	2.7	4.9	13.7	35.7
45°	1.1	1.6	2.7	5.5	11.5
47.5°	0.5	1.1	1.1	2.2	3.3
50°	0.5	0.5	0.5	1.1	1.1
52.5°	0.5	0.5	0.5	1.1	1.1
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)