

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: P1178374

Luminaire Tested: LDA2B059027R2060D010 2LBD1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178374
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: LDA2B059027R2060D010 2LBD1MB
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

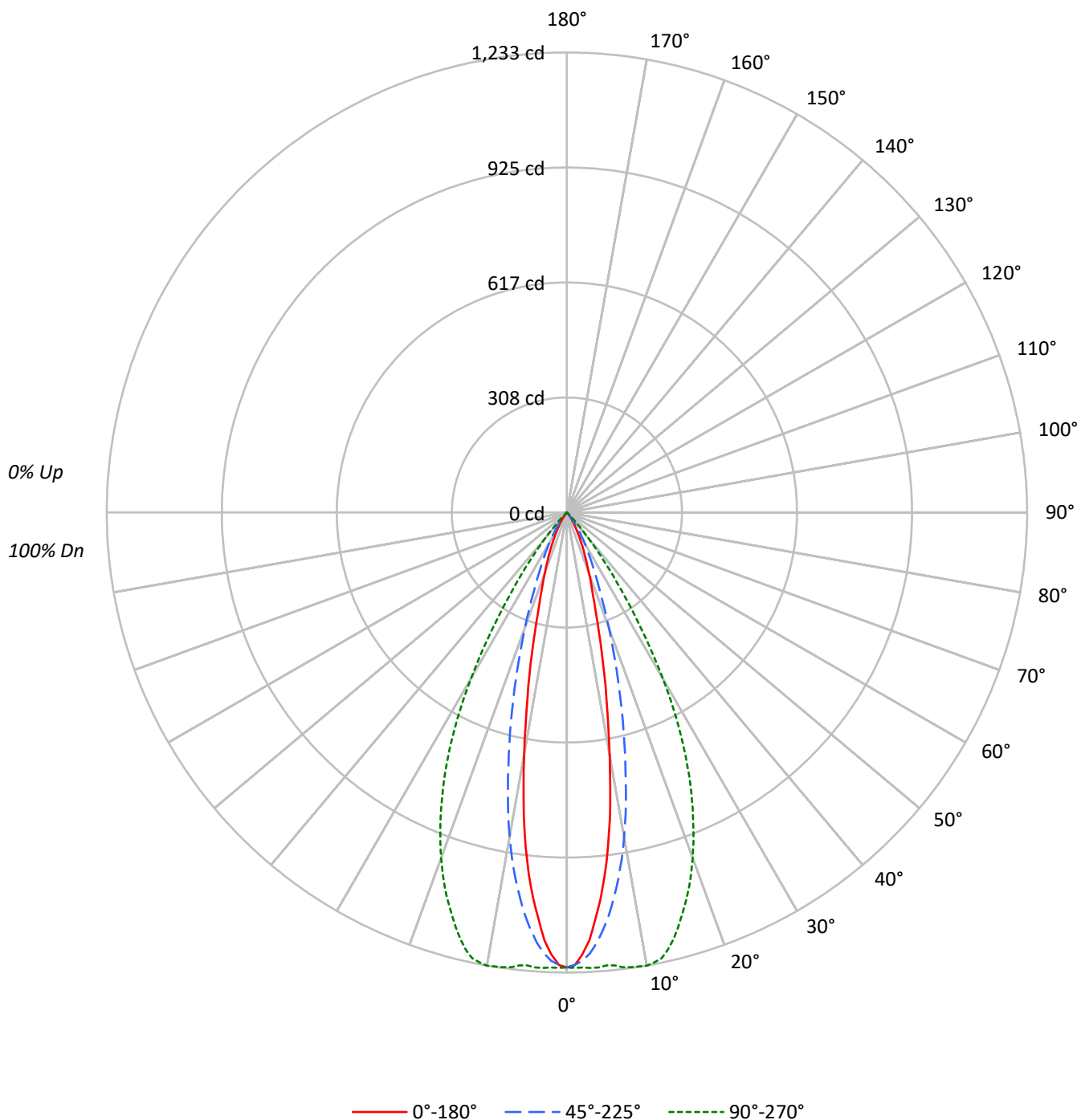
Lumens per Lamp: N/A
Luminaire Lumens: 485.8 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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	82	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°	601704	601704	601704
5°	513818	555369	603408
10°	330792	442760	617800
15°	169676	295325	587891
20°	90619	172576	517097
25°	50517	94611	420630
30°	26946	53892	292989
35°	11745	26019	152739
40°	3413	7600	57899
45°	837	2093	8652
50°	461	461	921
55°	516	516	516
60°	0	592	592
65°	0	700	700
70°	0	865	865
75°	0	1144	1144
80°	0	1705	1705
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8652 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	20.7
10°-20°	183.2	37.7
20°-30°	138.9	28.6
30°-40°	55.6	11.4
40°-50°	5.6	1.2
50°-60°	0.6	0.1
60°-70°	0.5	0.1
70°-80°	0.5	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°	422.8	87.0
0°-40°	478.4	98.5
0°-60°	484.6	99.8
0°-90°	485.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	485.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1220	1220	1220	1220	1220	
5°	1038	1060	1121	1186	1218	87
15°	332	385	578	952	1151	95
25°	93	108	174	497	773	44
35°	20	24	43	131	254	13
45°	1	2	3	6	12	1
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°	1219.6	1219.6	1219.6	1219.6	1219.6
1°	1213.1	1213.7	1212.5	1214.2	1220.2
2°	1185.9	1194.7	1202.4	1210.1	1220.2
3°	1148.0	1158.7	1182.9	1207.2	1222.5
4°	1092.5	1114.3	1155.7	1200.1	1222.5
5°	1037.5	1060.5	1121.4	1186.5	1218.4
6°	974.8	1007.9	1081.8	1173.5	1220.8
7°	903.9	944.7	1038.1	1165.2	1227.8
8°	827.0	873.1	990.2	1147.4	1230.8
9°	741.9	798.1	939.4	1126.2	1232.0
10°	660.3	719.4	883.8	1101.9	1233.2
11°	578.7	640.2	823.5	1078.3	1228.4
12°	509.6	568.1	760.2	1053.5	1221.3
13°	445.7	502.5	697.6	1023.9	1203.0
14°	386.6	442.2	637.3	989.6	1178.8
15°	332.2	385.4	578.2	951.8	1151.0
16°	283.2	332.8	521.4	909.8	1120.3
17°	247.7	287.3	468.2	865.5	1090.1
18°	219.9	249.5	418.0	821.7	1058.2
19°	195.1	218.7	371.3	776.2	1022.7
20°	172.6	193.9	328.7	728.9	984.9
21°	153.7	172.0	289.1	682.2	946.5
22°	137.1	153.1	253.6	636.1	904.5
23°	121.8	136.0	223.5	589.4	862.5
24°	107.0	122.4	196.9	542.1	818.8
25°	92.8	108.2	173.8	496.6	772.7
26°	81.6	95.8	154.3	452.2	724.8
27°	70.3	85.1	137.1	409.7	676.3
28°	61.5	75.1	121.8	368.9	623.7
29°	53.2	66.2	107.6	328.7	569.9
30°	47.3	57.3	94.6	290.9	514.3
32.5°	32.5	38.4	66.2	204.5	375.4
35°	19.5	24.2	43.2	131.2	253.6
37.5°	10.6	13.0	24.8	78.6	159.6
40°	5.3	6.5	11.8	38.4	89.9
42.5°	2.4	3.0	5.3	14.8	38.4
45°	1.2	1.8	3.0	5.9	12.4
47.5°	0.6	1.2	1.2	2.4	3.5
50°	0.6	0.6	0.6	1.2	1.2
52.5°	0.6	0.6	0.6	1.2	1.2
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.0	0.6	0.6	0.6	0.6
60°	0.0	0.6	0.6	0.6	0.6
62.5°	0.0	0.6	0.6	0.6	0.6
65°	0.0	0.6	0.6	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.6	0.6	0.6	0.6
70°	0.0	0.6	0.6	0.6	0.6
72.5°	0.0	0.6	0.6	0.6	0.6
75°	0.0	0.6	0.6	0.6	0.6
77.5°	0.0	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.6	0.6	0.6
82.5°	0.0	0.0	0.6	0.6	0.6
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)