

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: P1178614

Luminaire Tested: LDA2B059730R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178614
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: LDA2B059730R2060D010 2LBDC1MB
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

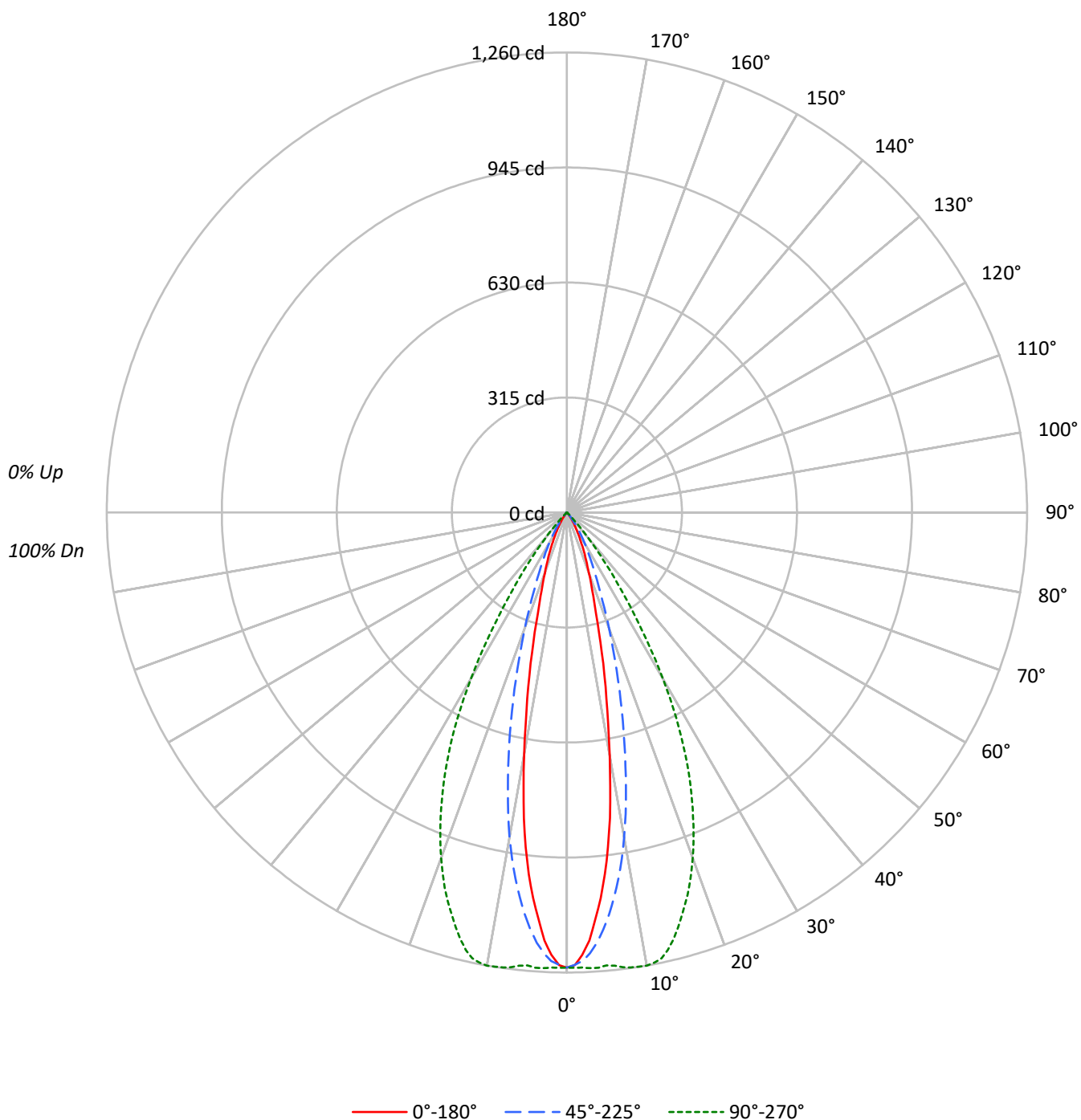
Lumens per Lamp: N/A
Luminaire Lumens: 496.5 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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°	615025	615025	615025
5°	525209	567701	616780
10°	338157	452579	631476
15°	173456	301863	600916
20°	92614	176408	528542
25°	51660	96734	429939
30°	27516	55089	299483
35°	11985	26561	156112
40°	3478	7793	59123
45°	837	2093	8861
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: 8861 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.9	20.7
10°-20°	187.3	37.7
20°-30°	142.0	28.6
30°-40°	56.8	11.4
40°-50°	5.8	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°	432.2	87.0
0°-40°	489.0	98.5
0°-60°	495.3	99.8
0°-90°	496.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	496.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1247	1247	1247	1247	1247	
5°	1060	1084	1146	1213	1245	89
15°	340	394	591	973	1176	97
25°	95	111	178	508	790	45
35°	20	25	44	134	259	14
45°	1	2	3	6	13	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°	1246.6	1246.6	1246.6	1246.6	1246.6
1°	1239.9	1240.5	1239.3	1241.1	1247.2
2°	1212.1	1221.2	1229.1	1236.9	1247.2
3°	1173.5	1184.3	1209.1	1233.9	1249.6
4°	1116.7	1139.0	1181.3	1226.6	1249.6
5°	1060.5	1084.0	1146.3	1212.7	1245.4
6°	996.4	1030.3	1105.8	1199.4	1247.8
7°	923.9	965.6	1061.1	1191.0	1255.0
8°	845.4	892.5	1012.1	1172.9	1258.1
9°	758.3	815.7	960.2	1151.1	1259.3
10°	675.0	735.4	903.4	1126.3	1260.5
11°	591.6	654.4	841.7	1102.2	1255.6
12°	520.9	580.7	777.1	1076.8	1248.4
13°	455.6	513.6	713.0	1046.6	1229.7
14°	395.2	452.0	651.4	1011.5	1204.9
15°	339.6	394.0	591.0	972.9	1176.5
16°	289.4	340.2	533.0	929.9	1145.1
17°	253.2	293.7	478.6	884.6	1114.2
18°	224.8	255.0	427.2	839.9	1081.6
19°	199.4	223.6	379.5	793.4	1045.4
20°	176.4	198.2	336.0	745.0	1006.7
21°	157.1	175.8	295.5	697.3	967.4
22°	140.2	156.5	259.2	650.2	924.5
23°	124.5	139.0	228.4	602.4	881.6
24°	109.4	125.1	201.2	554.1	836.9
25°	94.9	110.6	177.7	507.6	789.8
26°	83.4	97.9	157.7	462.3	740.8
27°	71.9	87.0	140.2	418.7	691.3
28°	62.8	76.7	124.5	377.1	637.5
29°	54.4	67.7	110.0	336.0	582.5
30°	48.3	58.6	96.7	297.3	525.7
32.5°	33.2	39.3	67.7	209.1	383.7
35°	19.9	24.8	44.1	134.1	259.2
37.5°	10.9	13.3	25.4	80.4	163.1
40°	5.4	6.6	12.1	39.3	91.8
42.5°	2.4	3.0	5.4	15.1	39.3
45°	1.2	1.8	3.0	6.0	12.7
47.5°	0.6	1.2	1.2	2.4	3.6
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)