

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: P1179540

Luminaire Tested: LDA2B159050R2060D010 2LBD1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179540
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: LDA2B159050R2060D010 2LBD1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

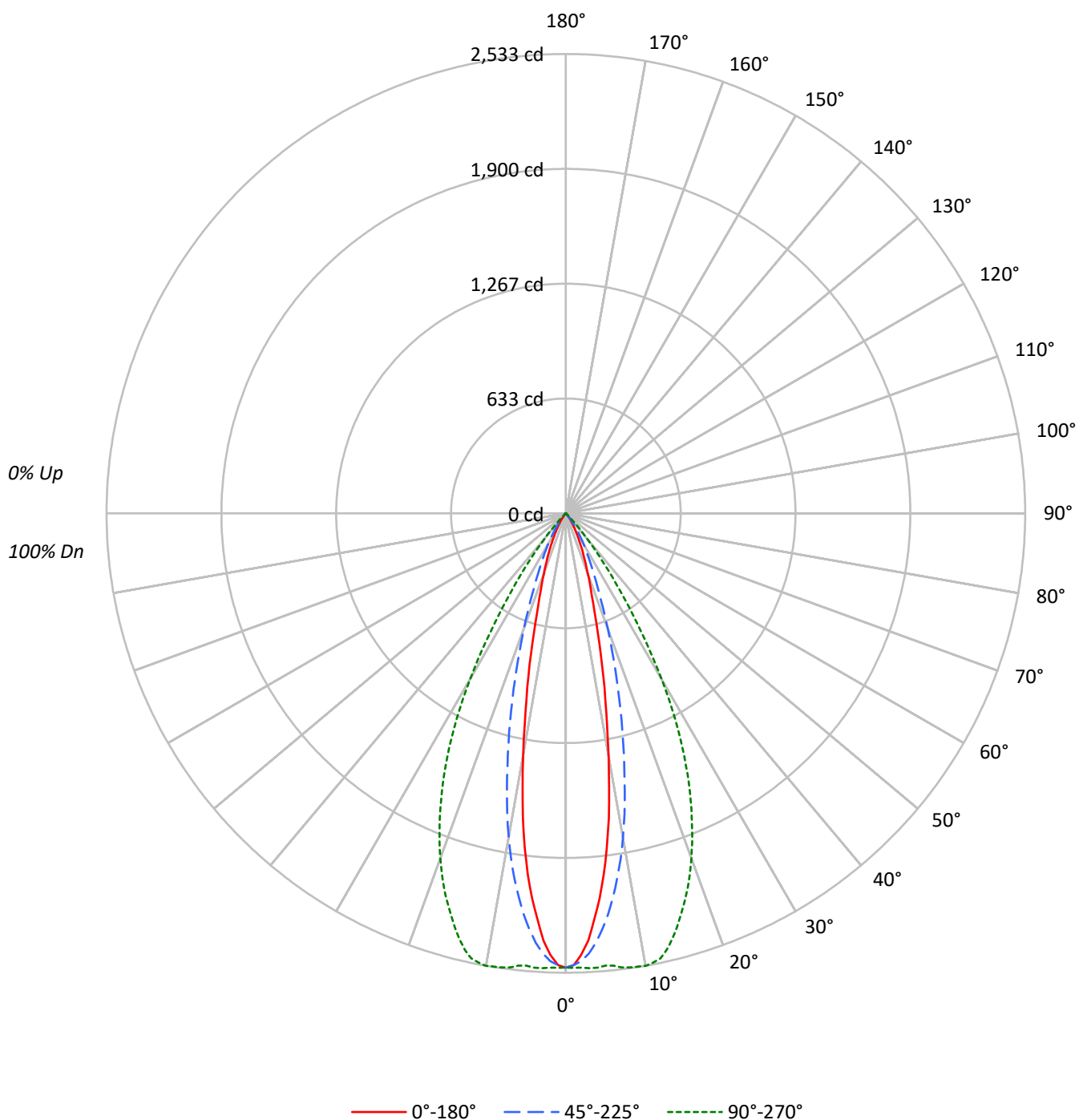
Lumens per Lamp: N/A
Luminaire Lumens: 997.9 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90	90	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	91	89	87	86	86	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	82	82	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78	78	78
6	93	86	81	77	92	85	81	77	84	80	77	82	79	76	81	78	76	74	74	74
7	90	82	77	74	89	81	77	73	80	76	73	79	75	73	78	75	72	71	71	71
8	86	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68	68	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65	65	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	62	62	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1236019	1236019	1236019
5°	1055519	1140899	1239552
10°	679569	909516	1269114
15°	348598	606636	1207706
20°	186174	354497	1062230
25°	103810	194338	864015
30°	55373	110690	601872
35°	24152	53423	313790
40°	7020	15650	118889
45°	1675	4256	17792
50°	921	921	1842
55°	1032	1032	1032
60°	0	1184	1184
65°	0	1401	1401
70°	0	1731	1731
75°	0	2287	2287
80°	0	3409	3409
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 17792 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.8	20.7
10°-20°	376.4	37.7
20°-30°	285.3	28.6
30°-40°	114.2	11.4
40°-50°	11.6	1.2
50°-60°	1.2	0.1
60°-70°	1.0	0.1
70°-80°	1.1	0.1
80°-90°	0.3	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°	868.5	87.0
0°-40°	982.7	98.5
0°-60°	995.5	99.8
0°-90°	997.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	997.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2505	2505	2505	2505	2505	
5°	2131	2179	2304	2437	2503	178
15°	682	792	1188	1955	2364	195
25°	191	222	357	1020	1587	90
35°	40	50	89	270	521	28
45°	2	4	6	12	26	3
55°	1	1	1	1	1	1
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2505.3	2505.3	2505.3	2505.3	2505.3
1°	2492.0	2493.2	2490.7	2494.4	2506.5
2°	2436.1	2454.3	2470.1	2485.9	2506.5
3°	2358.4	2380.2	2430.0	2479.8	2511.4
4°	2244.2	2289.2	2374.2	2465.2	2511.4
5°	2131.3	2178.6	2303.7	2437.3	2502.9
6°	2002.6	2070.6	2222.4	2410.6	2507.8
7°	1856.8	1940.6	2132.5	2393.6	2522.3
8°	1699.0	1793.7	2034.1	2357.2	2528.4
9°	1524.1	1639.4	1929.7	2313.4	2530.8
10°	1356.5	1477.9	1815.5	2263.7	2533.3
11°	1188.9	1315.2	1691.7	2215.1	2523.5
12°	1046.8	1167.0	1561.7	2164.1	2509.0
13°	915.7	1032.2	1433.0	2103.4	2471.3
14°	794.2	908.4	1309.1	2032.9	2421.5
15°	682.5	791.8	1187.7	1955.2	2364.5
16°	581.7	683.7	1071.1	1869.0	2301.3
17°	508.8	590.2	961.8	1777.9	2239.4
18°	451.8	512.5	858.6	1688.0	2173.8
19°	400.8	449.3	762.6	1594.5	2100.9
20°	354.6	398.3	675.2	1497.4	2023.2
21°	315.7	353.4	593.8	1401.4	1944.3
22°	281.7	314.5	521.0	1306.7	1858.0
23°	250.2	279.3	459.0	1210.8	1771.8
24°	219.8	251.4	404.4	1113.6	1682.0
25°	190.7	222.2	357.0	1020.1	1587.2
26°	167.6	196.7	317.0	929.0	1488.9
27°	144.5	174.9	281.7	841.6	1389.3
28°	126.3	154.2	250.2	757.8	1281.2
29°	109.3	136.0	221.0	675.2	1170.7
30°	97.2	117.8	194.3	597.5	1056.5
32.5°	66.8	78.9	136.0	420.2	771.1
35°	40.1	49.8	88.7	269.6	521.0
37.5°	21.9	26.7	51.0	161.5	327.9
40°	10.9	13.4	24.3	78.9	184.6
42.5°	4.9	6.1	10.9	30.4	78.9
45°	2.4	3.6	6.1	12.1	25.5
47.5°	1.2	2.4	2.4	4.9	7.3
50°	1.2	1.2	1.2	2.4	2.4
52.5°	1.2	1.2	1.2	2.4	2.4
55°	1.2	1.2	1.2	1.2	1.2
57.5°	0.0	1.2	1.2	1.2	1.2
60°	0.0	1.2	1.2	1.2	1.2
62.5°	0.0	1.2	1.2	1.2	1.2
65°	0.0	1.2	1.2	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.2	1.2	1.2	1.2
70°	0.0	1.2	1.2	1.2	1.2
72.5°	0.0	1.2	1.2	1.2	1.2
75°	0.0	1.2	1.2	1.2	1.2
77.5°	0.0	1.2	1.2	1.2	1.2
80°	0.0	0.0	1.2	1.2	1.2
82.5°	0.0	0.0	1.2	1.2	1.2
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)