

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: P1179506

Luminaire Tested: LDA2B159040R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179506
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: LDA2B159040R2060D010 2LBDC1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

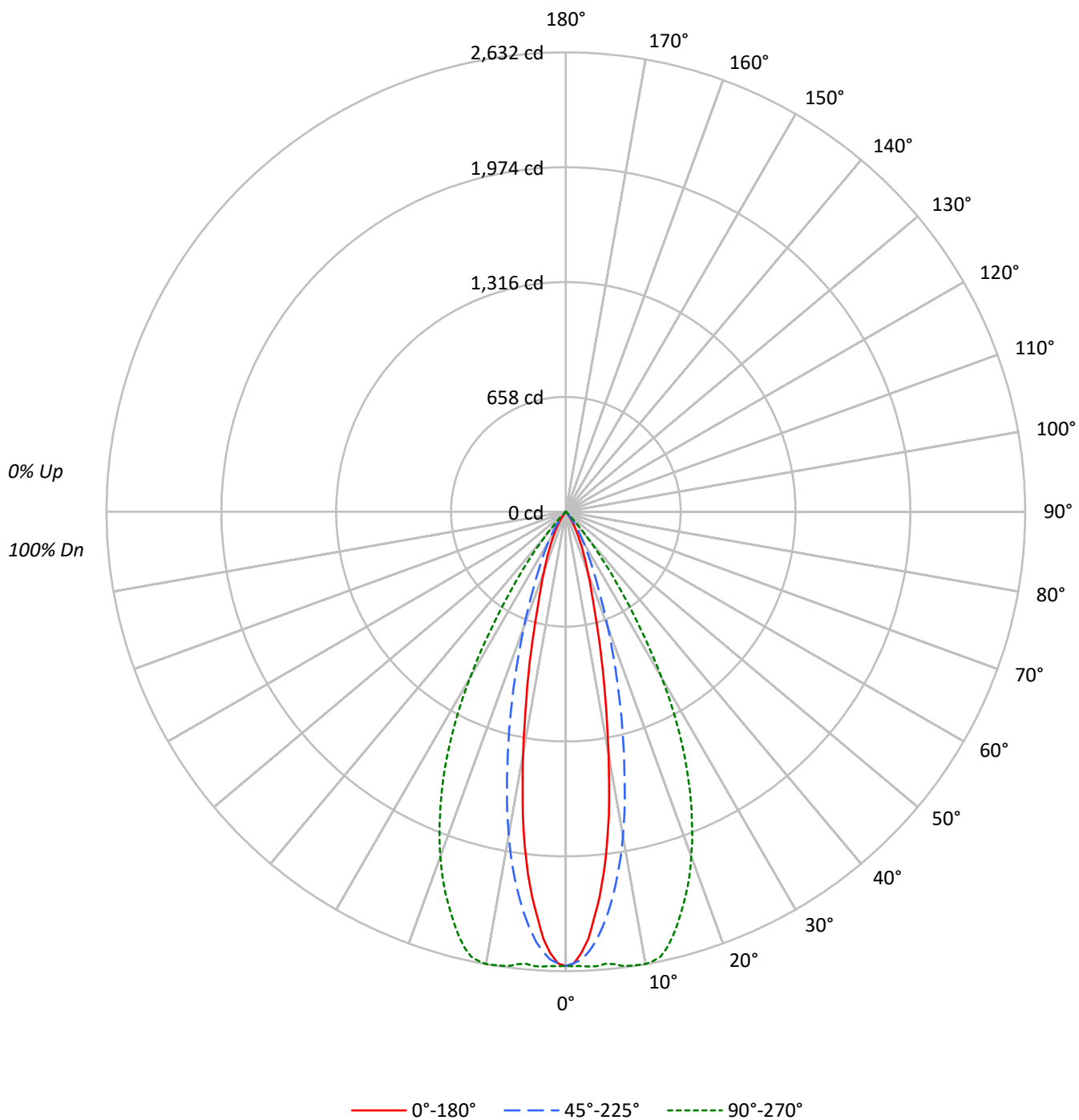
Lumens per Lamp: N/A
Luminaire Lumens: 1036.9 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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°	1284171	1284171	1284171
5°	1096624	1185372	1287839
10°	706021	944985	1318510
15°	362184	630285	1254747
20°	193419	368305	1103602
25°	107839	201905	897712
30°	57481	115019	625343
35°	25055	55470	326016
40°	7342	16230	123527
45°	1744	4396	18490
50°	998	998	1919
55°	1118	1118	1118
60°	0	1283	1283
65°	0	1518	1518
70°	0	1875	1875
75°	0	2478	2478
80°	0	3694	3694
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 18490 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.8	20.7
10°-20°	391.1	37.7
20°-30°	296.5	28.6
30°-40°	118.6	11.4
40°-50°	12.0	1.2
50°-60°	1.3	0.1
60°-70°	1.1	0.1
70°-80°	1.2	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°	902.4	87.0
0°-40°	1021.0	98.5
0°-60°	1034.3	99.7
0°-90°	1036.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1036.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2603	2603	2603	2603	2603	
5°	2214	2264	2394	2532	2600	185
15°	709	823	1234	2031	2457	203
25°	198	231	371	1060	1649	94
35°	42	52	92	280	541	29
45°	2	4	6	13	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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2602.9	2602.9	2602.9	2602.9	2602.9
1°	2589.0	2590.3	2587.8	2591.6	2604.2
2°	2531.0	2549.9	2566.3	2582.7	2604.2
3°	2450.2	2473.0	2524.7	2576.4	2609.2
4°	2331.6	2378.3	2466.6	2561.3	2609.2
5°	2214.3	2263.5	2393.5	2532.3	2600.4
6°	2080.6	2151.2	2308.9	2504.5	2605.4
7°	1929.2	2016.2	2215.6	2486.8	2620.6
8°	1765.1	1863.5	2113.4	2449.0	2626.9
9°	1583.4	1703.3	2004.9	2403.6	2629.4
10°	1409.3	1535.5	1886.3	2351.8	2631.9
11°	1235.2	1366.4	1757.6	2301.4	2621.8
12°	1087.6	1212.5	1622.6	2248.4	2606.7
13°	951.3	1072.5	1488.8	2185.3	2567.6
14°	825.2	943.8	1360.1	2112.1	2515.9
15°	709.1	822.6	1234.0	2031.4	2456.6
16°	604.4	710.3	1112.8	1941.8	2390.9
17°	528.7	613.2	999.3	1847.1	2326.6
18°	469.4	532.4	892.0	1753.8	2258.5
19°	416.4	466.8	792.4	1656.6	2182.8
20°	368.4	413.8	701.5	1555.7	2102.0
21°	328.0	367.2	617.0	1456.0	2020.0
22°	292.7	326.8	541.3	1357.6	1930.4
23°	259.9	290.2	476.9	1257.9	1840.8
24°	228.4	261.2	420.2	1157.0	1747.5
25°	198.1	230.9	370.9	1059.8	1649.1
26°	174.1	204.4	329.3	965.2	1546.9
27°	150.1	181.7	292.7	874.4	1443.4
28°	131.2	160.2	259.9	787.3	1331.1
29°	113.6	141.3	229.6	701.5	1216.3
30°	100.9	122.4	201.9	620.8	1097.7
32.5°	69.4	82.0	141.3	436.6	801.2
35°	41.6	51.7	92.1	280.1	541.3
37.5°	22.7	27.8	53.0	167.8	340.7
40°	11.4	13.9	25.2	82.0	191.8
42.5°	5.0	6.3	11.4	31.5	82.0
45°	2.5	3.8	6.3	12.6	26.5
47.5°	1.3	2.5	2.5	5.0	7.6
50°	1.3	1.3	1.3	2.5	2.5
52.5°	1.3	1.3	1.3	2.5	2.5
55°	1.3	1.3	1.3	1.3	1.3
57.5°	0.0	1.3	1.3	1.3	1.3
60°	0.0	1.3	1.3	1.3	1.3
62.5°	0.0	1.3	1.3	1.3	1.3
65°	0.0	1.3	1.3	1.3	1.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.3	1.3	1.3	1.3
70°	0.0	1.3	1.3	1.3	1.3
72.5°	0.0	1.3	1.3	1.3	1.3
75°	0.0	1.3	1.3	1.3	1.3
77.5°	0.0	1.3	1.3	1.3	1.3
80°	0.0	0.0	1.3	1.3	1.3
82.5°	0.0	0.0	1.3	1.3	1.3
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)