

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: P1179467

Luminaire Tested: LDA2B159035R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179467
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: LDA2B159035R2060D010 2LBDC1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

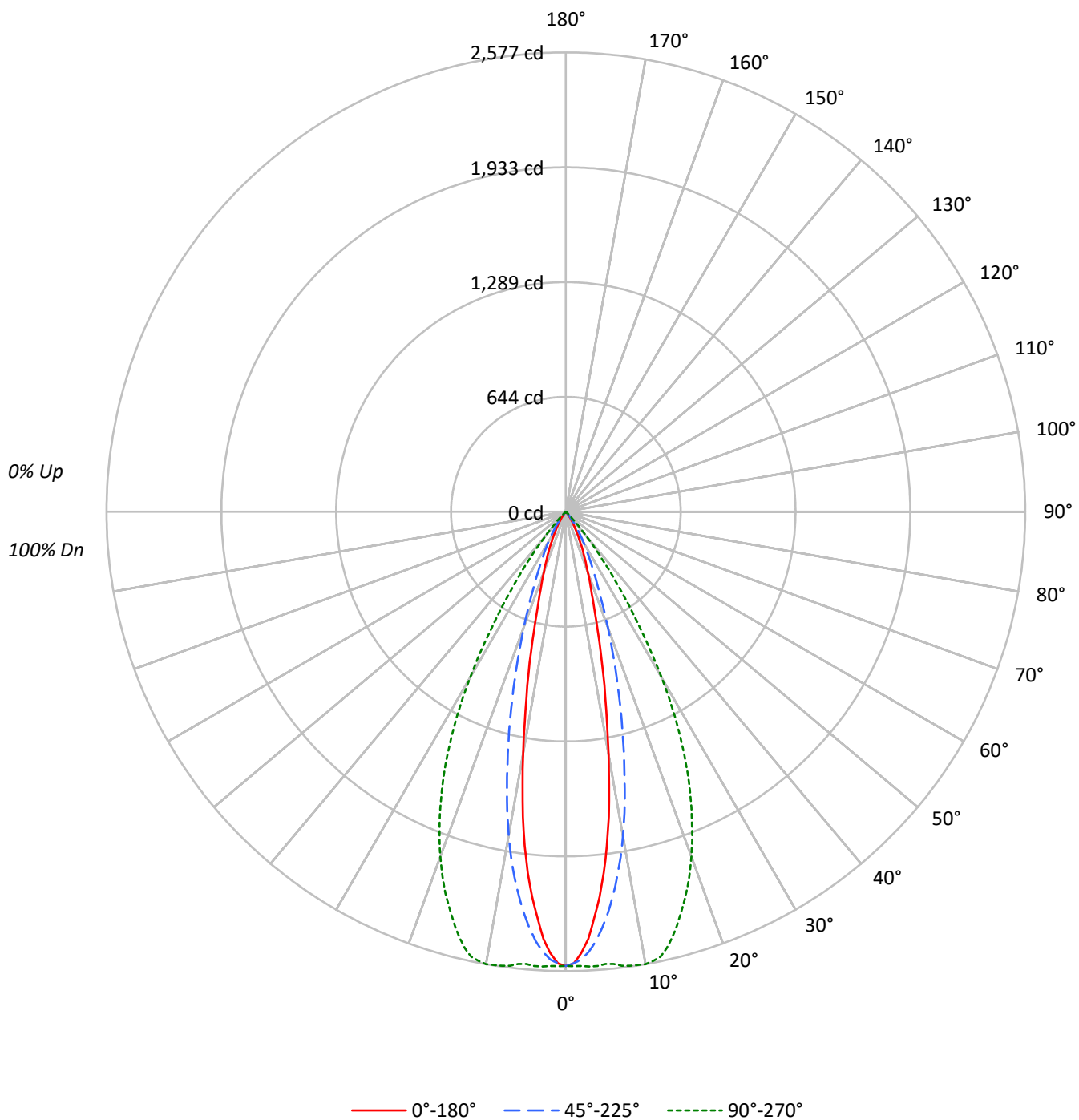
Lumens per Lamp: N/A
Luminaire Lumens: 1015.1 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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					0
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	83	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°	1257431	1257431	1257431
5°	1073793	1160659	1261046
10°	691342	925297	1291057
15°	354625	617158	1228596
20°	189429	360639	1080658
25°	105607	197713	878985
30°	56285	112627	612298
35°	24573	54326	319210
40°	7149	15908	120950
45°	1744	4326	18071
50°	921	921	1919
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: 18071 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.4	20.7
10°-20°	382.9	37.7
20°-30°	290.3	28.6
30°-40°	116.1	11.4
40°-50°	11.8	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°	883.6	87.0
0°-40°	999.7	98.5
0°-60°	1012.7	99.8
0°-90°	1015.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1015.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2549	2549	2549	2549	2549	
5°	2168	2216	2344	2480	2546	182
15°	694	806	1208	1989	2405	199
25°	194	226	363	1038	1615	92
35°	41	51	90	274	530	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°	2548.7	2548.7	2548.7	2548.7	2548.7
1°	2535.1	2536.4	2533.9	2537.6	2550.0
2°	2478.3	2496.8	2512.9	2529.0	2550.0
3°	2399.2	2421.5	2472.1	2522.8	2554.9
4°	2283.1	2328.8	2415.3	2508.0	2554.9
5°	2168.2	2216.4	2343.6	2479.5	2546.3
6°	2037.3	2106.4	2260.9	2452.4	2551.2
7°	1889.0	1974.2	2169.4	2435.1	2566.0
8°	1728.4	1824.8	2069.4	2398.0	2572.2
9°	1550.5	1667.9	1963.1	2353.5	2574.7
10°	1380.0	1503.5	1847.0	2302.9	2577.1
11°	1209.5	1338.0	1721.0	2253.5	2567.3
12°	1065.0	1187.3	1588.8	2201.6	2552.4
13°	931.5	1050.1	1457.8	2139.8	2514.1
14°	808.0	924.1	1331.8	2068.1	2463.5
15°	694.3	805.5	1208.3	1989.1	2405.4
16°	591.8	695.6	1089.7	1901.4	2341.2
17°	517.7	600.4	978.5	1808.7	2278.2
18°	459.6	521.4	873.5	1717.3	2211.4
19°	407.7	457.1	775.9	1622.1	2137.3
20°	360.8	405.2	686.9	1523.3	2058.3
21°	321.2	359.5	604.1	1425.7	1977.9
22°	286.6	320.0	530.0	1329.3	1890.2
23°	254.5	284.2	467.0	1231.7	1802.5
24°	223.6	255.7	411.4	1132.9	1711.1
25°	194.0	226.1	363.2	1037.8	1614.7
26°	170.5	200.1	322.5	945.1	1514.7
27°	147.0	177.9	286.6	856.2	1413.4
28°	128.5	156.9	254.5	770.9	1303.4
29°	111.2	138.4	224.9	686.9	1191.0
30°	98.8	119.8	197.7	607.8	1074.8
32.5°	67.9	80.3	138.4	427.5	784.5
35°	40.8	50.7	90.2	274.3	530.0
37.5°	22.2	27.2	51.9	164.3	333.6
40°	11.1	13.6	24.7	80.3	187.8
42.5°	4.9	6.2	11.1	30.9	80.3
45°	2.5	3.7	6.2	12.4	25.9
47.5°	1.2	2.5	2.5	4.9	7.4
50°	1.2	1.2	1.2	2.5	2.5
52.5°	1.2	1.2	1.2	2.5	2.5
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)