

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: P1179376

Luminaire Tested: LDA2B159027R2050D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B159027R2050D010 2LBDC1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

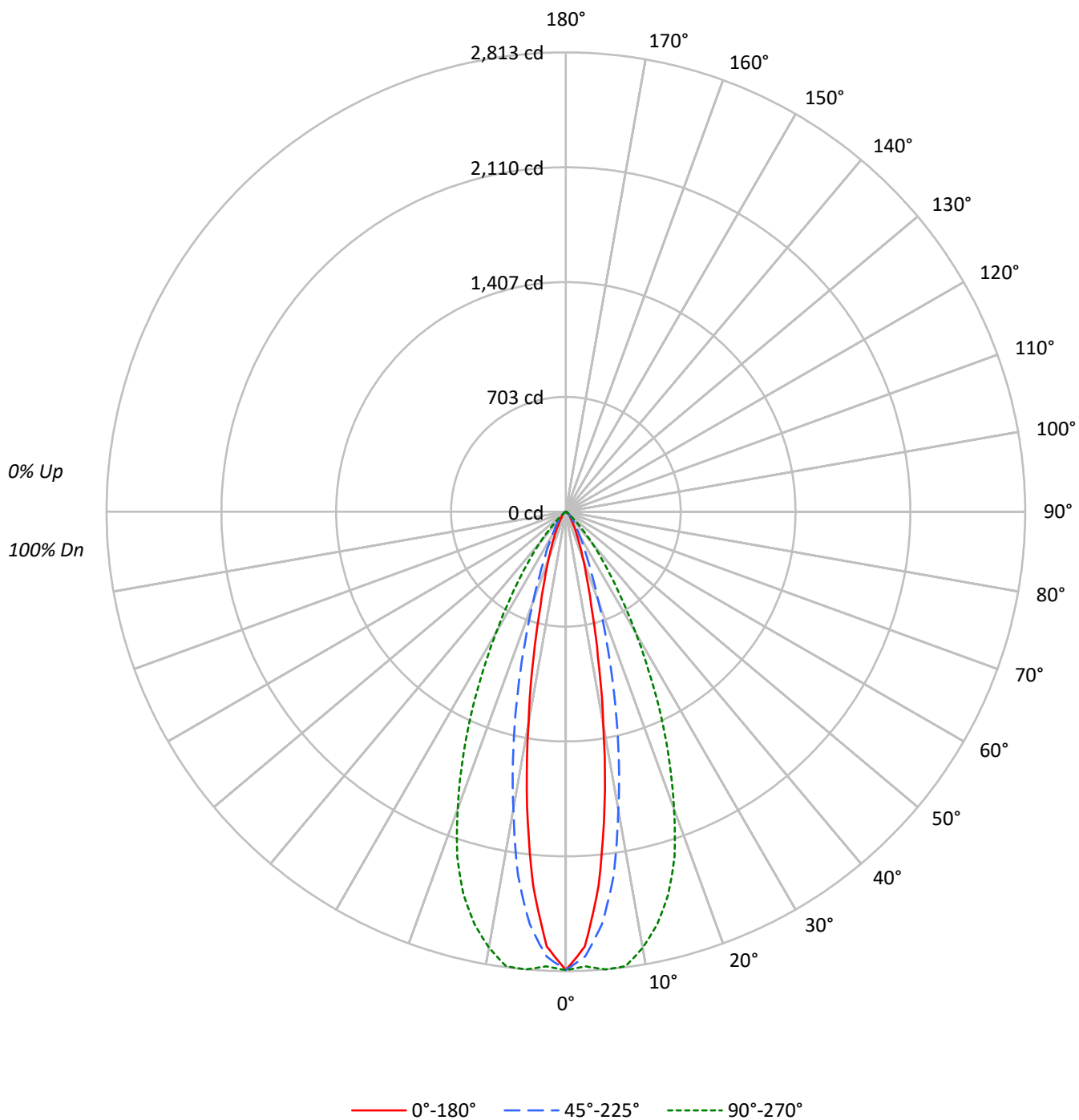
Lumens per Lamp: N/A
Luminaire Lumens: 1008.7 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1179376

CATALOG NUMBER: LDA2B159027R2050D010 2LBDC1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1179376

CATALOG NUMBER: LDA2B159027R2050D010 2LBDC1MMS

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1384423	1384423	1384423
5°	1138175	1255846	1393178
10°	660683	928002	1358287
15°	307787	577982	1237790
20°	162180	304724	1017393
25°	89820	164997	750406
30°	52639	96676	485315
35°	33848	64866	287530
40°	26406	43730	159786
45°	22885	26095	71028
50°	20647	17960	26019
55°	14106	13074	12042
60°	10361	9275	9275
65°	8172	6888	8172
70°	6780	6780	6780
75°	6672	6672	6672
80°	6535	6535	6535
85°	6793	6793	6793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 71028 cd/sqm

TEST NUMBER: P1179376

CATALOG NUMBER: LDA2B159027R2050D010 2LBDC1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.4	22.2
10°-20°	365.8	36.3
20°-30°	244.0	24.2
30°-40°	110.0	10.9
40°-50°	40.3	4.0
50°-60°	14.1	1.4
60°-70°	6.6	0.7
70°-80°	3.5	0.3
80°-90°	1.0	0.1
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°	833.3	82.6
0°-40°	943.3	93.5
0°-60°	997.7	98.9
0°-90°	1008.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1008.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2806	2806	2806	2806	2806	
5°	2298	2370	2536	2721	2813	188
15°	603	708	1132	1912	2423	180
25°	165	192	303	826	1378	80
35°	56	63	108	233	477	37
45°	33	33	37	58	102	26
55°	16	15	15	13	14	15
65°	7	7	6	6	7	7
75°	4	4	4	4	4	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1179376

CATALOG NUMBER: LDA2B159027R2050D010 2LBDC1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2806.1	2806.1	2806.1	2806.1	2806.1
2.5°	2664.5	2692.6	2725.4	2759.3	2786.2
5°	2298.2	2369.6	2535.8	2720.7	2813.1
7.5°	1817.3	1922.6	2245.6	2610.7	2806.1
10°	1318.8	1453.4	1852.4	2419.9	2711.3
12.5°	906.9	1033.3	1486.1	2178.9	2586.1
15°	602.6	708.0	1131.6	1912.1	2423.4
17.5°	424.8	496.2	822.6	1620.7	2214.0
20°	308.9	356.9	580.4	1335.2	1937.8
22.5°	224.7	261.0	413.1	1067.2	1658.1
25°	165.0	191.9	303.1	826.1	1378.5
27.5°	122.9	143.9	227.0	627.2	1098.8
30°	92.4	110.0	169.7	462.2	851.9
32.5°	71.4	83.1	129.9	330.0	644.8
35°	56.2	63.2	107.7	232.9	477.4
37.5°	46.8	51.5	88.9	162.7	349.9
40°	41.0	44.5	67.9	115.8	248.1
42.5°	36.3	38.6	49.1	83.1	161.5
45°	32.8	32.8	37.4	58.5	101.8
47.5°	30.4	26.9	29.3	41.0	59.7
50°	26.9	22.2	23.4	28.1	33.9
52.5°	21.1	18.7	18.7	18.7	19.9
55°	16.4	15.2	15.2	12.9	14.0
57.5°	12.9	12.9	11.7	10.5	11.7
60°	10.5	10.5	9.4	8.2	9.4
62.5°	8.2	8.2	7.0	7.0	8.2
65°	7.0	7.0	5.9	5.9	7.0
67.5°	5.9	5.9	5.9	4.7	5.9
70°	4.7	4.7	4.7	4.7	4.7
72.5°	3.5	3.5	4.7	3.5	3.5
75°	3.5	3.5	3.5	3.5	3.5
77.5°	2.3	2.3	2.3	2.3	2.3
80°	2.3	2.3	2.3	2.3	2.3
82.5°	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2
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)