

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: P1179454

Luminaire Tested: LDA2B159035R2050D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179454
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: LDA2B159035R2050D010 2LBDC1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

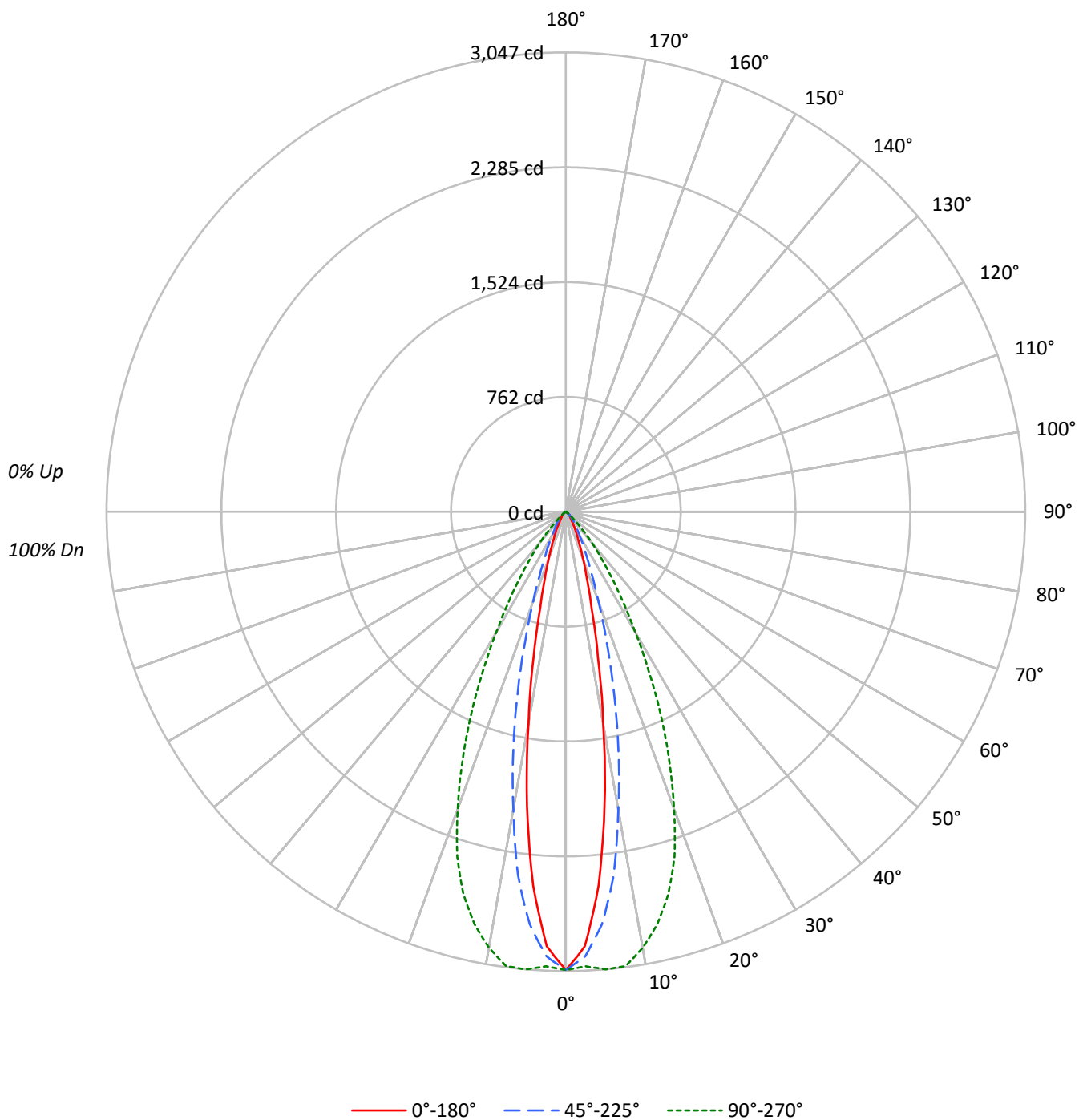
Lumens per Lamp: N/A
Luminaire Lumens: 1092.5 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1179454

CATALOG NUMBER: LDA2B159035R2050D010 2LBDC1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1179454

CATALOG NUMBER: LDA2B159035R2050D010 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°	1499474	1499474	1499474
5°	1232817	1360194	1508966
10°	715589	1005152	1471206
15°	333377	625994	1340709
20°	175673	330030	1101974
25°	97278	178715	812736
30°	57025	104708	525648
35°	36619	70226	311441
40°	28595	47337	173053
45°	24769	28327	76958
50°	22412	19419	28245
55°	15225	14192	13074
60°	11249	9966	9966
65°	8872	7355	8872
70°	7357	7357	7357
75°	7244	7244	7244
80°	7103	7103	7103
85°	7359	7359	7359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 76958 cd/sqm

TEST NUMBER: P1179454

CATALOG NUMBER: LDA2B159035R2050D010 2LBDC1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.0	22.2
10°-20°	396.2	36.3
20°-30°	264.3	24.2
30°-40°	119.2	10.9
40°-50°	43.6	4.0
50°-60°	15.3	1.4
60°-70°	7.1	0.7
70°-80°	3.8	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°	902.6	82.6
0°-40°	1021.7	93.5
0°-60°	1080.6	98.9
0°-90°	1092.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1092.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3039	3039	3039	3039	3039	
5°	2489	2567	2746	2947	3047	203
15°	653	767	1226	2071	2625	195
25°	179	208	328	895	1493	86
35°	61	68	117	252	517	40
45°	36	36	41	63	110	28
55°	18	16	16	14	15	17
65°	8	8	6	6	8	8
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1179454

CATALOG NUMBER: LDA2B159035R2050D010 2LBDC1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3039.3	3039.3	3039.3	3039.3	3039.3
2.5°	2886.0	2916.4	2951.9	2988.6	3017.8
5°	2489.3	2566.6	2746.5	2946.8	3046.9
7.5°	1968.3	2082.4	2432.2	2827.7	3039.3
10°	1428.4	1574.2	2006.4	2621.1	2936.7
12.5°	982.3	1119.1	1609.6	2360.0	2801.0
15°	652.7	766.8	1225.6	2071.0	2624.9
17.5°	460.1	537.4	891.0	1755.4	2398.0
20°	334.6	386.6	628.6	1446.1	2098.9
22.5°	243.3	282.6	447.4	1155.9	1796.0
25°	178.7	207.9	328.3	894.8	1493.0
27.5°	133.1	155.9	245.9	679.3	1190.1
30°	100.1	119.1	183.8	500.6	922.7
32.5°	77.3	90.0	140.7	357.4	698.4
35°	60.8	68.4	116.6	252.2	517.1
37.5°	50.7	55.8	96.3	176.2	379.0
40°	44.4	48.2	73.5	125.5	268.7
42.5°	39.3	41.8	53.2	90.0	174.9
45°	35.5	35.5	40.6	63.4	110.3
47.5°	33.0	29.2	31.7	44.4	64.6
50°	29.2	24.1	25.3	30.4	36.8
52.5°	22.8	20.3	20.3	20.3	21.5
55°	17.7	16.5	16.5	13.9	15.2
57.5°	13.9	13.9	12.7	11.4	12.7
60°	11.4	11.4	10.1	8.9	10.1
62.5°	8.9	8.9	7.6	7.6	8.9
65°	7.6	7.6	6.3	6.3	7.6
67.5°	6.3	6.3	6.3	5.1	6.3
70°	5.1	5.1	5.1	5.1	5.1
72.5°	3.8	3.8	5.1	3.8	3.8
75°	3.8	3.8	3.8	3.8	3.8
77.5°	2.5	2.5	2.5	2.5	2.5
80°	2.5	2.5	2.5	2.5	2.5
82.5°	1.3	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	1.3	1.3
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)