

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: P1179324

Luminaire Tested: LDA2B159024R2040D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B159024R2040D010 2LBDC1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

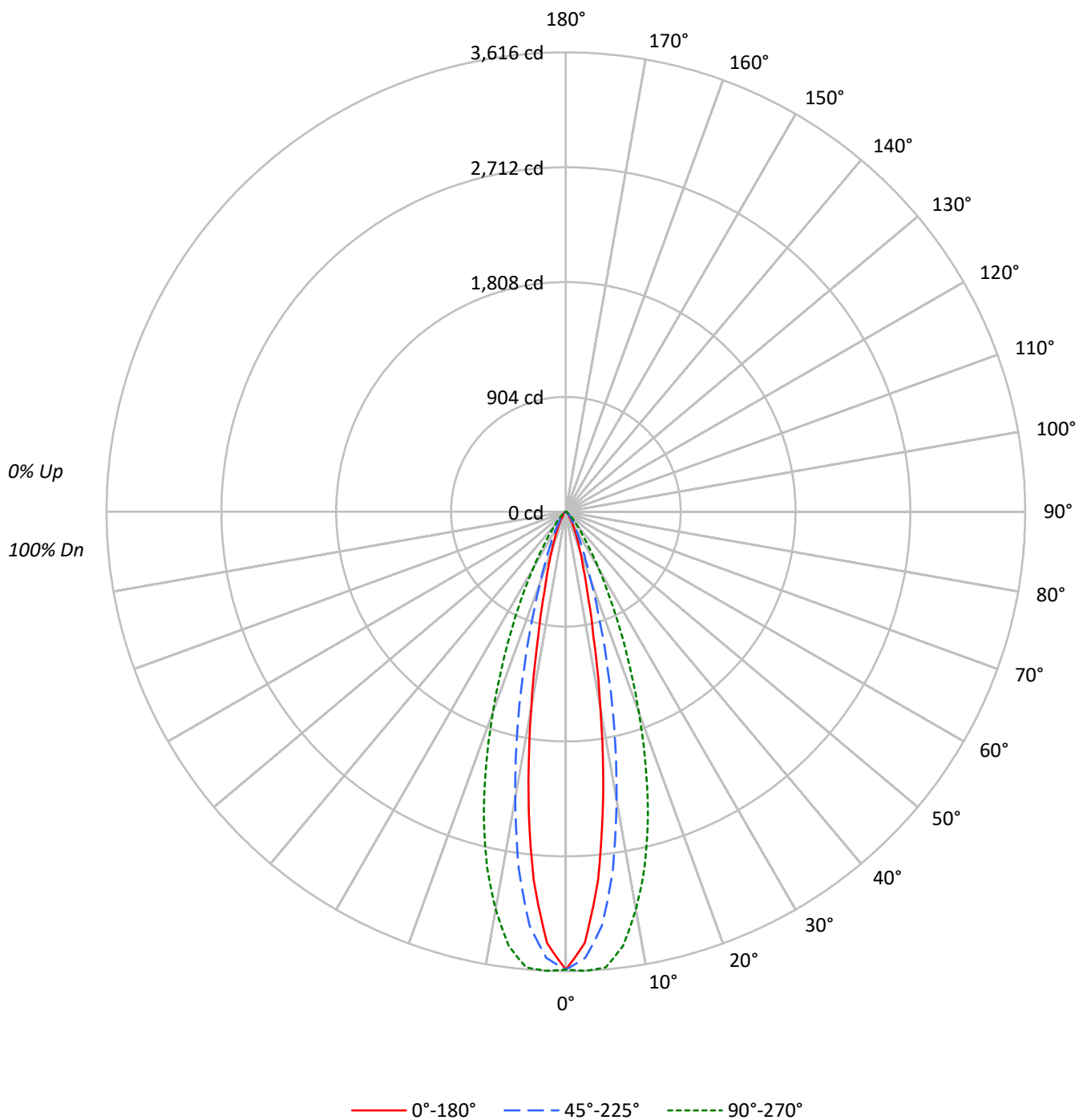
Lumens per Lamp: N/A
Luminaire Lumens: 1015.8 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1179324

CATALOG NUMBER: LDA2B159024R2040D010 2LBDC1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1179324

CATALOG NUMBER: LDA2B159024R2040D010 2LBDC1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91		94	92	89		92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89	86	84	83
5	98	91	86	83	97	90	86	83	89	85	82		87	84	81		86	83	81	79
6	94	87	83	79	93	87	82	79	85	81	78		84	80	78		83	80	77	76
7	91	84	79	76	90	83	79	75	82	78	75		81	77	75		80	77	74	73
8	88	81	76	73	87	80	76	72	79	75	72		78	75	72		77	74	72	70
9	85	78	73	70	84	77	73	70	76	72	70		76	72	69		75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67		73	70	67		73	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1778125	1778125	1778125
5°	1441315	1618812	1782788
10°	783621	1149332	1591941
15°	331436	644995	1274258
20°	169215	303307	881096
25°	93685	155144	537016
30°	52468	86193	292875
35°	30355	52158	149186
40°	22606	39544	82566
45°	19885	26792	48980
50°	21030	17653	26096
55°	15053	12214	14106
60°	9769	8683	8683
65°	7705	7705	7705
70°	6347	6347	6347
75°	6290	6290	6290
80°	6251	6251	6251
85°	6227	6227	6227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 48980 cd/sqm

TEST NUMBER: P1179324

CATALOG NUMBER: LDA2B159024R2040D010 2LBDC1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.8	27.6
10°-20°	397.1	39.1
20°-30°	204.6	20.1
30°-40°	75.3	7.4
40°-50°	33.1	3.3
50°-60°	14.5	1.4
60°-70°	6.4	0.6
70°-80°	3.2	0.3
80°-90°	0.9	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°	882.5	86.9
0°-40°	957.8	94.3
0°-60°	1005.4	99.0
0°-90°	1015.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1015.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3604	3604	3604	3604	3604	
5°	2910	3009	3269	3500	3600	234
15°	649	754	1263	2107	2495	198
25°	172	193	285	654	986	83
35°	50	58	87	151	248	34
45°	28	33	38	46	70	23
55°	18	15	14	15	16	16
65°	7	7	7	6	7	7
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1179324

CATALOG NUMBER: LDA2B159024R2040D010 2LBDC1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3604.1	3604.1	3604.1	3604.1	3604.1
2.5°	3398.1	3438.6	3514.3	3586.6	3616.2
5°	2910.3	3008.9	3268.7	3500.0	3599.8
7.5°	2253.7	2415.9	2836.8	3269.8	3447.4
10°	1564.2	1728.6	2294.2	2916.9	3177.7
12.5°	997.5	1157.5	1768.1	2525.5	2864.2
15°	648.9	754.2	1262.8	2106.8	2494.8
17.5°	450.5	525.1	859.4	1662.9	2086.0
20°	322.3	374.9	577.7	1268.2	1678.2
22.5°	233.5	269.7	401.2	926.2	1304.4
25°	172.1	192.9	285.0	654.4	986.5
27.5°	127.2	140.3	206.1	451.6	721.3
30°	92.1	103.0	151.3	310.2	514.1
32.5°	66.9	76.7	112.9	214.8	358.4
35°	50.4	58.1	86.6	151.3	247.7
37.5°	41.7	46.0	71.2	109.6	175.4
40°	35.1	39.5	61.4	81.1	128.2
42.5°	30.7	36.2	50.4	60.3	96.5
45°	28.5	32.9	38.4	46.0	70.2
47.5°	28.5	27.4	29.6	35.1	49.3
50°	27.4	23.0	23.0	27.4	34.0
52.5°	23.0	18.6	18.6	19.7	23.0
55°	17.5	15.3	14.2	15.3	16.4
57.5°	13.2	13.2	12.1	11.0	12.1
60°	9.9	9.9	8.8	8.8	8.8
62.5°	7.7	7.7	7.7	6.6	7.7
65°	6.6	6.6	6.6	5.5	6.6
67.5°	5.5	5.5	4.4	5.5	5.5
70°	4.4	4.4	4.4	4.4	4.4
72.5°	3.3	3.3	3.3	3.3	3.3
75°	3.3	3.3	3.3	3.3	3.3
77.5°	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2
82.5°	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1
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)