

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: P1179441

Luminaire Tested: LDA2B159035R2040D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179441
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: LDA2B159035R2040D010 2LBDC1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

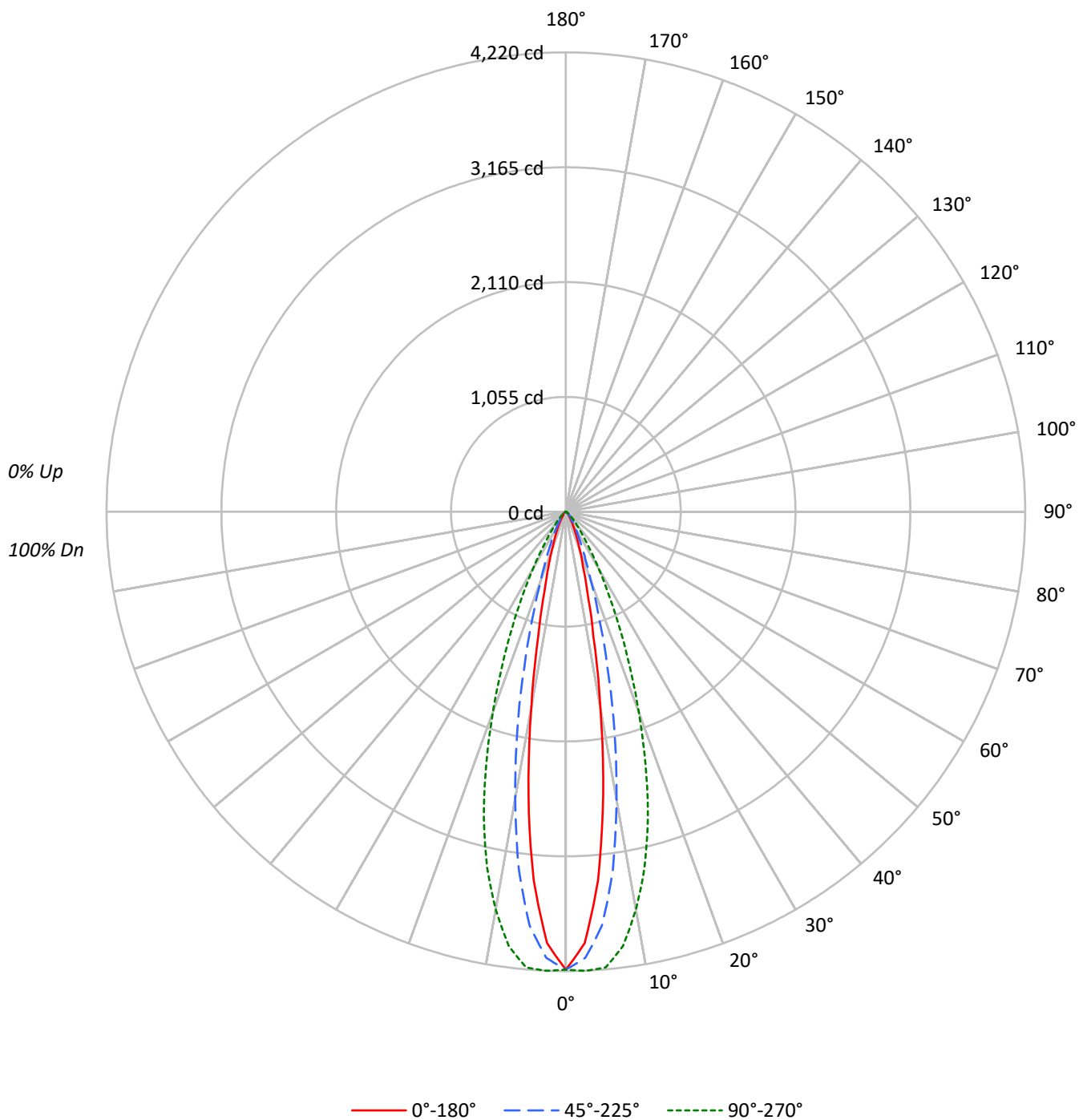
Lumens per Lamp: N/A
Luminaire Lumens: 1185.5 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1179441

CATALOG NUMBER: LDA2B159035R2040D010 2LBDC1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1179441

CATALOG NUMBER: LDA2B159035R2040D010 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	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	98	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	94	91
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	88	90	87
4	102	95	91	88	100	94	90	87	92	89	86	90	87	85	89	86	84	84	86	83
5	98	91	86	83	97	90	86	83	89	85	82	87	84	81	86	83	81	81	83	79
6	94	87	83	79	93	87	82	79	85	81	78	84	80	78	83	80	77	77	79	76
7	91	84	79	76	90	83	79	75	82	78	75	81	77	75	80	77	74	74	76	73
8	88	81	76	73	87	80	76	72	79	75	72	78	75	72	77	74	72	72	74	70
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	69	71	68
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	67	69	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2075178	2075178	2075178
5°	1682055	1889216	2080579
10°	914526	1341354	1857907
15°	386803	752715	1487145
20°	197462	353972	1028261
25°	109308	181056	626727
30°	61241	100549	341811
35°	35414	60891	174120
40°	26341	46113	96412
45°	23234	31258	57143
50°	24561	20647	30471
55°	17633	14278	16515
60°	11347	10065	10065
65°	8989	8989	8989
70°	7357	7357	7357
75°	7244	7244	7244
80°	7387	7387	7387
85°	7359	7359	7359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 57143 cd/sqm

TEST NUMBER: P1179441

CATALOG NUMBER: LDA2B159035R2040D010 2LBDC1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.7	27.6
10°-20°	463.4	39.1
20°-30°	238.7	20.1
30°-40°	87.8	7.4
40°-50°	38.6	3.3
50°-60°	16.9	1.4
60°-70°	7.4	0.6
70°-80°	3.7	0.3
80°-90°	1.1	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°	1029.9	86.9
0°-40°	1117.8	94.3
0°-60°	1173.3	99.0
0°-90°	1185.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1185.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4206	4206	4206	4206	4206	
5°	3396	3512	3815	4085	4201	273
15°	757	880	1474	2459	2912	231
25°	201	225	333	764	1151	96
35°	59	68	101	176	289	40
45°	33	38	45	54	82	27
55°	20	18	17	18	19	19
65°	8	8	8	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: P1179441

CATALOG NUMBER: LDA2B159035R2040D010 2LBDC1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4206.2	4206.2	4206.2	4206.2	4206.2
2.5°	3965.7	4013.0	4101.3	4185.7	4220.3
5°	3396.4	3511.6	3814.7	4084.7	4201.1
7.5°	2630.2	2819.5	3310.7	3816.0	4023.3
10°	1825.5	2017.4	2677.5	3404.1	3708.6
12.5°	1164.1	1350.9	2063.4	2947.4	3342.7
15°	757.3	880.1	1473.7	2458.7	2911.6
17.5°	525.8	612.8	1002.9	1940.6	2434.4
20°	376.1	437.5	674.2	1480.1	1958.5
22.5°	272.5	314.7	468.2	1081.0	1522.3
25°	200.8	225.1	332.6	763.7	1151.3
27.5°	148.4	163.7	240.5	527.1	841.8
30°	107.5	120.3	176.5	362.0	600.0
32.5°	78.0	89.5	131.8	250.7	418.3
35°	58.8	67.8	101.1	176.5	289.1
37.5°	48.6	53.7	83.2	127.9	204.7
40°	40.9	46.1	71.6	94.7	149.7
42.5°	35.8	42.2	58.8	70.4	112.6
45°	33.3	38.4	44.8	53.7	81.9
47.5°	33.3	32.0	34.5	40.9	57.6
50°	32.0	26.9	26.9	32.0	39.7
52.5°	26.9	21.7	21.7	23.0	26.9
55°	20.5	17.9	16.6	17.9	19.2
57.5°	15.4	15.4	14.1	12.8	14.1
60°	11.5	11.5	10.2	10.2	10.2
62.5°	9.0	9.0	9.0	7.7	9.0
65°	7.7	7.7	7.7	6.4	7.7
67.5°	6.4	6.4	5.1	6.4	6.4
70°	5.1	5.1	5.1	5.1	5.1
72.5°	3.8	3.8	3.8	3.8	3.8
75°	3.8	3.8	3.8	3.8	3.8
77.5°	2.6	2.6	2.6	2.6	2.6
80°	2.6	2.6	2.6	2.6	2.6
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)