

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: P1179208

Luminaire Tested: LDA2B158035R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179208
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: LDA2B158035R2040D010 2LBDC1MB
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

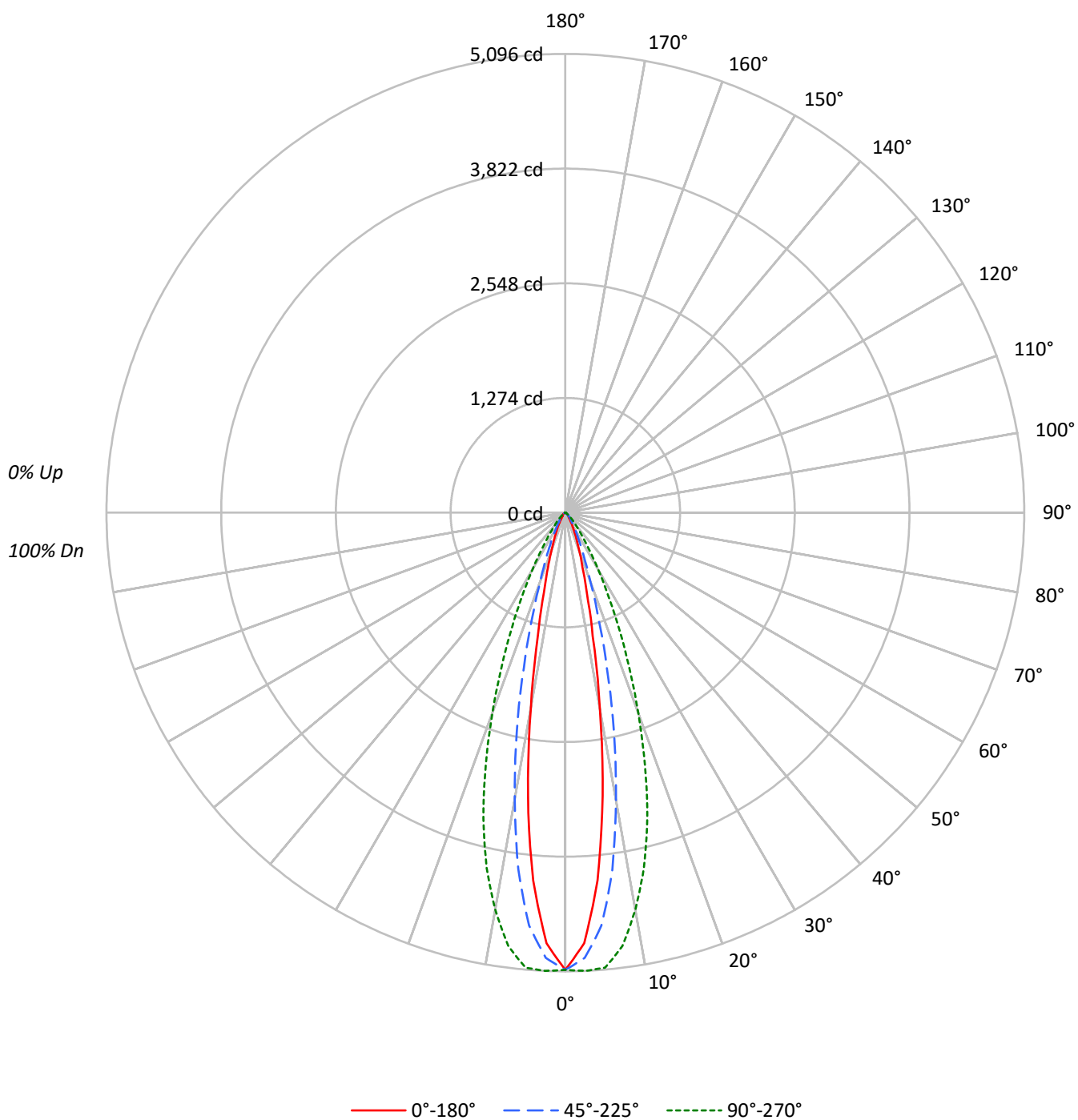
Lumens per Lamp: N/A
Luminaire Lumens: 1431.4 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1179208

CATALOG NUMBER: LDA2B158035R2040D010 2LBDC1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1179208

CATALOG NUMBER: LDA2B158035R2040D010 2LBDC1MB

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	88	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°	2505637	2505637	2505637
5°	2031005	2281154	2512137
10°	1104244	1619595	2243256
15°	467044	908856	1795597
20°	238414	427370	1241578
25°	132008	218617	756776
30°	73888	121457	412680
35°	42822	73479	210257
40°	31815	55709	116378
45°	28048	37747	69004
50°	29627	24868	36765
55°	21246	17289	19955
60°	13715	12235	12235
65°	10857	10857	10857
70°	8943	8943	8943
75°	8769	8769	8769
80°	8808	8808	8808
85°	8491	8491	8491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 69004 cd/sqm

TEST NUMBER: P1179208

CATALOG NUMBER: LDA2B158035R2040D010 2LBDC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.7	27.6
10°-20°	559.6	39.1
20°-30°	288.3	20.1
30°-40°	106.1	7.4
40°-50°	46.6	3.3
50°-60°	20.4	1.4
60°-70°	8.9	0.6
70°-80°	4.5	0.3
80°-90°	1.2	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°	1243.6	86.9
0°-40°	1349.7	94.3
0°-60°	1416.7	99.0
0°-90°	1431.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1431.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5079	5079	5079	5079	5079	
5°	4101	4240	4606	4932	5072	330
15°	914	1063	1779	2969	3516	280
25°	242	272	402	922	1390	116
35°	71	82	122	213	349	48
45°	40	46	54	65	99	32
55°	25	22	20	22	23	23
65°	9	9	9	8	9	9
75°	5	5	5	5	5	4
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

TEST NUMBER: P1179208

CATALOG NUMBER: LDA2B158035R2040D010 2LBDC1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5078.7	5078.7	5078.7	5078.7	5078.7
2.5°	4788.3	4845.5	4952.0	5054.0	5095.7
5°	4101.0	4240.0	4606.1	4932.0	5072.5
7.5°	3175.7	3404.3	3997.5	4607.6	4857.8
10°	2204.2	2435.9	3232.9	4110.2	4477.8
12.5°	1405.6	1631.1	2491.5	3558.8	4036.1
15°	914.4	1062.7	1779.4	2968.8	3515.5
17.5°	634.8	739.9	1211.0	2343.2	2939.4
20°	454.1	528.3	814.0	1787.1	2364.8
22.5°	329.0	380.0	565.3	1305.2	1838.1
25°	242.5	271.9	401.6	922.1	1390.2
27.5°	179.2	197.7	290.4	636.4	1016.4
30°	129.7	145.2	213.2	437.1	724.4
32.5°	94.2	108.1	159.1	302.7	505.1
35°	71.1	81.9	122.0	213.2	349.1
37.5°	58.7	64.9	100.4	154.5	247.1
40°	49.4	55.6	86.5	114.3	180.7
42.5°	43.2	51.0	71.1	85.0	135.9
45°	40.2	46.3	54.1	64.9	98.9
47.5°	40.2	38.6	41.7	49.4	69.5
50°	38.6	32.4	32.4	38.6	47.9
52.5°	32.4	26.3	26.3	27.8	32.4
55°	24.7	21.6	20.1	21.6	23.2
57.5°	18.5	18.5	17.0	15.4	17.0
60°	13.9	13.9	12.4	12.4	12.4
62.5°	10.8	10.8	10.8	9.3	10.8
65°	9.3	9.3	9.3	7.7	9.3
67.5°	7.7	7.7	6.2	7.7	7.7
70°	6.2	6.2	6.2	6.2	6.2
72.5°	4.6	4.6	4.6	4.6	4.6
75°	4.6	4.6	4.6	4.6	4.6
77.5°	3.1	3.1	3.1	3.1	3.1
80°	3.1	3.1	3.1	3.1	3.1
82.5°	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	1.5	1.5
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)