

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: P1179170

Luminaire Tested: LDA2B158030R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179170
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: LDA2B158030R2040D010 2LBDC1MB
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

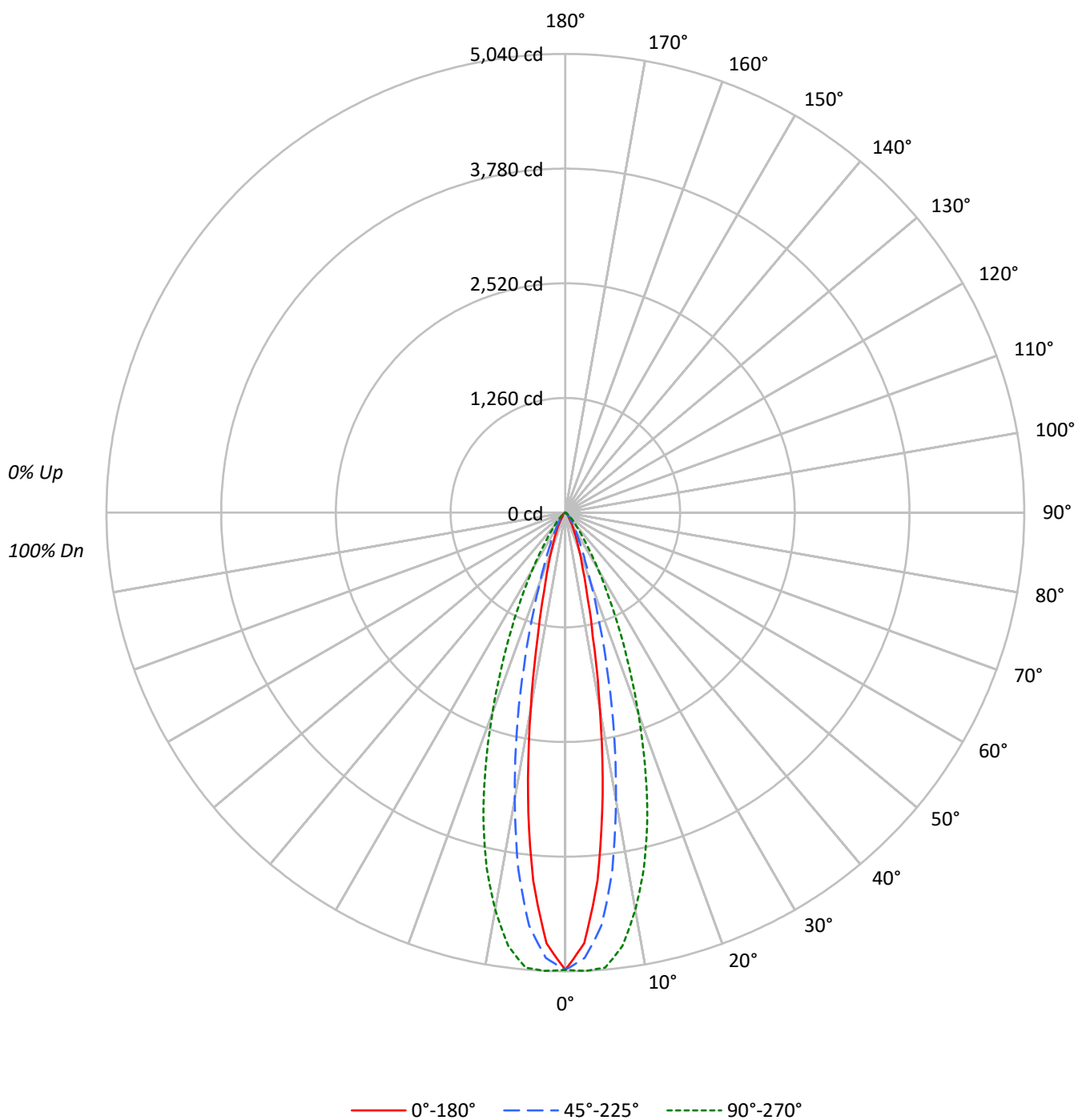
Lumens per Lamp: N/A
Luminaire Lumens: 1415.7 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1179170

CATALOG NUMBER: LDA2B158030R2040D010 2LBDC1MB

Luminous Intensity Polar Plot



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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°	2478156	2478156	2478156
5°	2008719	2256095	2484601
10°	1092120	1601810	2218658
15°	461937	898897	1775932
20°	235789	422697	1227980
25°	130539	216222	748447
30°	73091	120090	408179
35°	42341	72696	207969
40°	31493	55065	115090
45°	27699	37328	68237
50°	29320	24638	36381
55°	20988	17117	19697
60°	13518	12038	12038
65°	10740	10740	10740
70°	8799	8799	8799
75°	8769	8769	8769
80°	8808	8808	8808
85°	8491	8491	8491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 68237 cd/sqm

TEST NUMBER: P1179170

CATALOG NUMBER: LDA2B158030R2040D010 2LBDC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.4	27.6
10°-20°	553.4	39.1
20°-30°	285.1	20.1
30°-40°	104.9	7.4
40°-50°	46.1	3.3
50°-60°	20.2	1.4
60°-70°	8.8	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°	1229.9	86.9
0°-40°	1334.8	94.3
0°-60°	1401.1	99.0
0°-90°	1415.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1415.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5023	5023	5023	5023	5023	
5°	4056	4193	4556	4878	5017	326
15°	904	1051	1760	2936	3477	276
25°	240	269	397	912	1375	115
35°	70	81	121	211	345	48
45°	40	46	54	64	98	32
55°	24	21	20	21	23	22
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5023.0	5023.0	5023.0	5023.0	5023.0
2.5°	4735.8	4792.3	4897.7	4998.5	5039.8
5°	4056.0	4193.4	4555.5	4877.8	5016.9
7.5°	3140.9	3367.0	3953.6	4557.0	4804.5
10°	2180.0	2409.1	3197.4	4065.1	4428.7
12.5°	1390.2	1613.2	2464.1	3519.7	3991.8
15°	904.4	1051.0	1759.9	2936.2	3477.0
17.5°	627.9	731.8	1197.7	2317.5	2907.1
20°	449.1	522.5	805.1	1767.5	2338.9
22.5°	325.4	375.8	559.1	1290.9	1817.9
25°	239.8	268.9	397.2	912.0	1374.9
27.5°	177.2	195.5	287.2	629.4	1005.2
30°	128.3	143.6	210.8	432.3	716.5
32.5°	93.2	106.9	157.3	299.4	499.5
35°	70.3	81.0	120.7	210.8	345.3
37.5°	58.1	64.2	99.3	152.8	244.4
40°	48.9	55.0	85.5	113.0	178.7
42.5°	42.8	50.4	70.3	84.0	134.4
45°	39.7	45.8	53.5	64.2	97.8
47.5°	39.7	38.2	41.2	48.9	68.7
50°	38.2	32.1	32.1	38.2	47.4
52.5°	32.1	26.0	26.0	27.5	32.1
55°	24.4	21.4	19.9	21.4	22.9
57.5°	18.3	18.3	16.8	15.3	16.8
60°	13.7	13.7	12.2	12.2	12.2
62.5°	10.7	10.7	10.7	9.2	10.7
65°	9.2	9.2	9.2	7.6	9.2
67.5°	7.6	7.6	6.1	7.6	7.6
70°	6.1	6.1	6.1	6.1	6.1
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)