

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: P1179518

Luminaire Tested: LDA2B159050R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179518
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: LDA2B159050R2040D010 2LBDC1MB
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

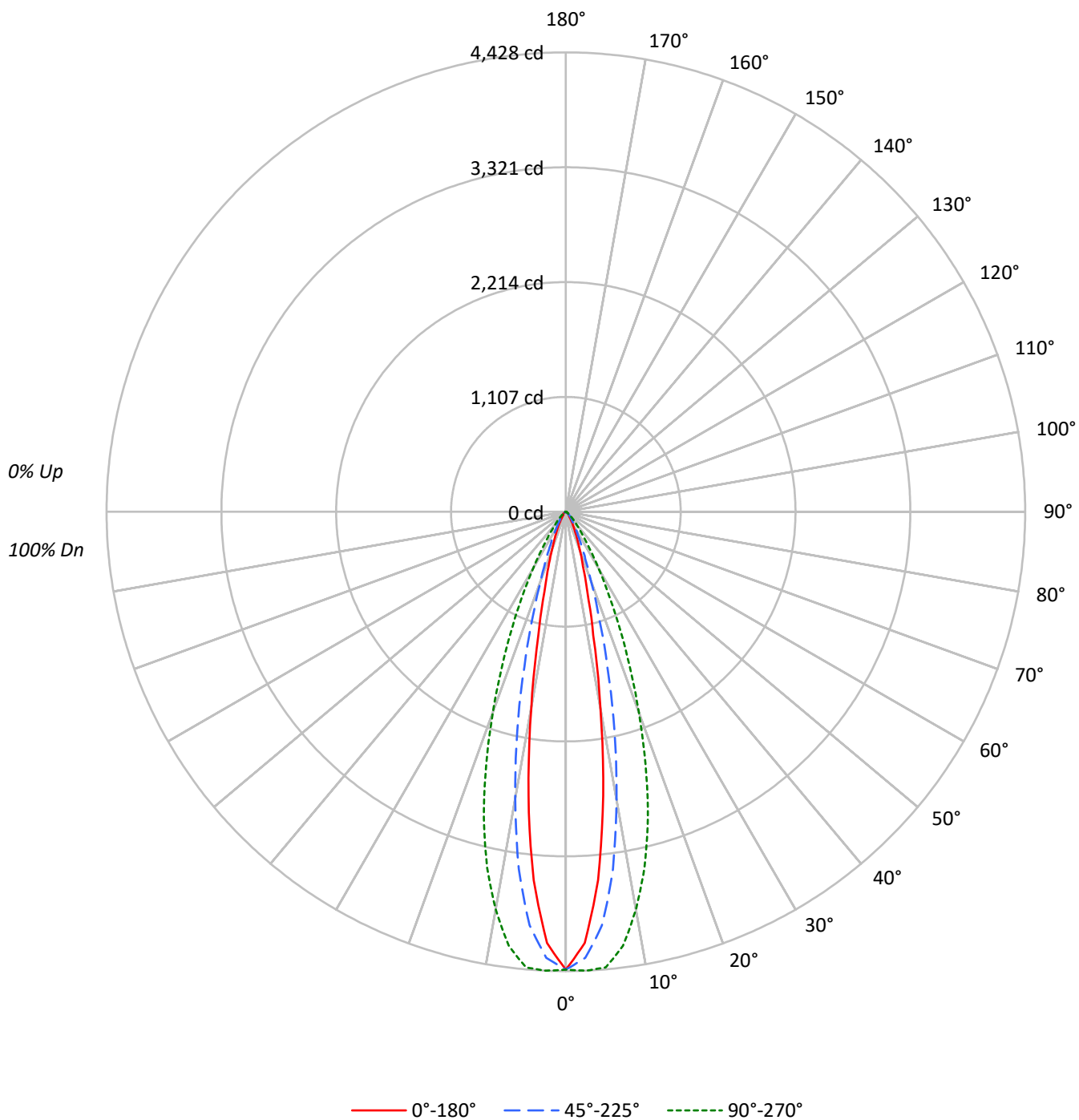
Lumens per Lamp: N/A
Luminaire Lumens: 1243.8 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

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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°	2177255	2177255	2177255
5°	1764810	1982174	2182947
10°	959513	1407332	1949285
15°	405854	789746	1560287
20°	207175	371350	1078873
25°	114698	189983	657592
30°	64204	105506	358617
35°	37161	63842	182673
40°	27694	48432	101114
45°	24350	32793	59934
50°	25789	21644	31929
55°	18493	14967	17289
60°	11939	10558	10558
65°	9456	9456	9456
70°	7789	7789	7789
75°	7625	7625	7625
80°	7671	7671	7671
85°	7359	7359	7359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 59934 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.9	27.6
10°-20°	486.3	39.1
20°-30°	250.5	20.1
30°-40°	92.2	7.4
40°-50°	40.5	3.3
50°-60°	17.8	1.4
60°-70°	7.8	0.6
70°-80°	3.9	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°	1080.6	86.9
0°-40°	1172.8	94.3
0°-60°	1231.0	99.0
0°-90°	1243.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1243.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4413	4413	4413	4413	4413	
5°	3564	3684	4002	4286	4408	287
15°	795	923	1546	2580	3055	243
25°	211	236	349	801	1208	101
35°	62	71	106	185	303	42
45°	35	40	47	56	86	28
55°	22	19	17	19	20	20
65°	8	8	8	7	8	8
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4413.1	4413.1	4413.1	4413.1	4413.1
2.5°	4160.8	4210.5	4303.1	4391.7	4427.9
5°	3563.5	3684.3	4002.4	4285.6	4407.8
7.5°	2759.6	2958.2	3473.6	4003.8	4221.2
10°	1915.3	2116.6	2809.2	3571.6	3891.0
12.5°	1221.4	1417.4	2165.0	3092.4	3507.2
15°	794.6	923.4	1546.2	2579.7	3054.8
17.5°	551.6	642.9	1052.3	2036.1	2554.2
20°	394.6	459.0	707.3	1552.9	2054.9
22.5°	285.9	330.2	491.2	1134.2	1597.2
25°	210.7	236.2	349.0	801.3	1208.0
27.5°	155.7	171.8	252.3	553.0	883.2
30°	112.7	126.2	185.2	379.8	629.5
32.5°	81.9	94.0	138.2	263.1	438.9
35°	61.7	71.1	106.0	185.2	303.3
37.5°	51.0	56.4	87.2	134.2	214.8
40°	43.0	48.3	75.2	99.3	157.0
42.5°	37.6	44.3	61.7	73.8	118.1
45°	34.9	40.3	47.0	56.4	85.9
47.5°	34.9	33.6	36.2	43.0	60.4
50°	33.6	28.2	28.2	33.6	41.6
52.5°	28.2	22.8	22.8	24.2	28.2
55°	21.5	18.8	17.4	18.8	20.1
57.5°	16.1	16.1	14.8	13.4	14.8
60°	12.1	12.1	10.7	10.7	10.7
62.5°	9.4	9.4	9.4	8.1	9.4
65°	8.1	8.1	8.1	6.7	8.1
67.5°	6.7	6.7	5.4	6.7	6.7
70°	5.4	5.4	5.4	5.4	5.4
72.5°	4.0	4.0	4.0	4.0	4.0
75°	4.0	4.0	4.0	4.0	4.0
77.5°	2.7	2.7	2.7	2.7	2.7
80°	2.7	2.7	2.7	2.7	2.7
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)