

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: P1179277

Luminaire Tested: LDA2B158050R2040D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179277
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: LDA2B158050R2040D010 2LBD1LI
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

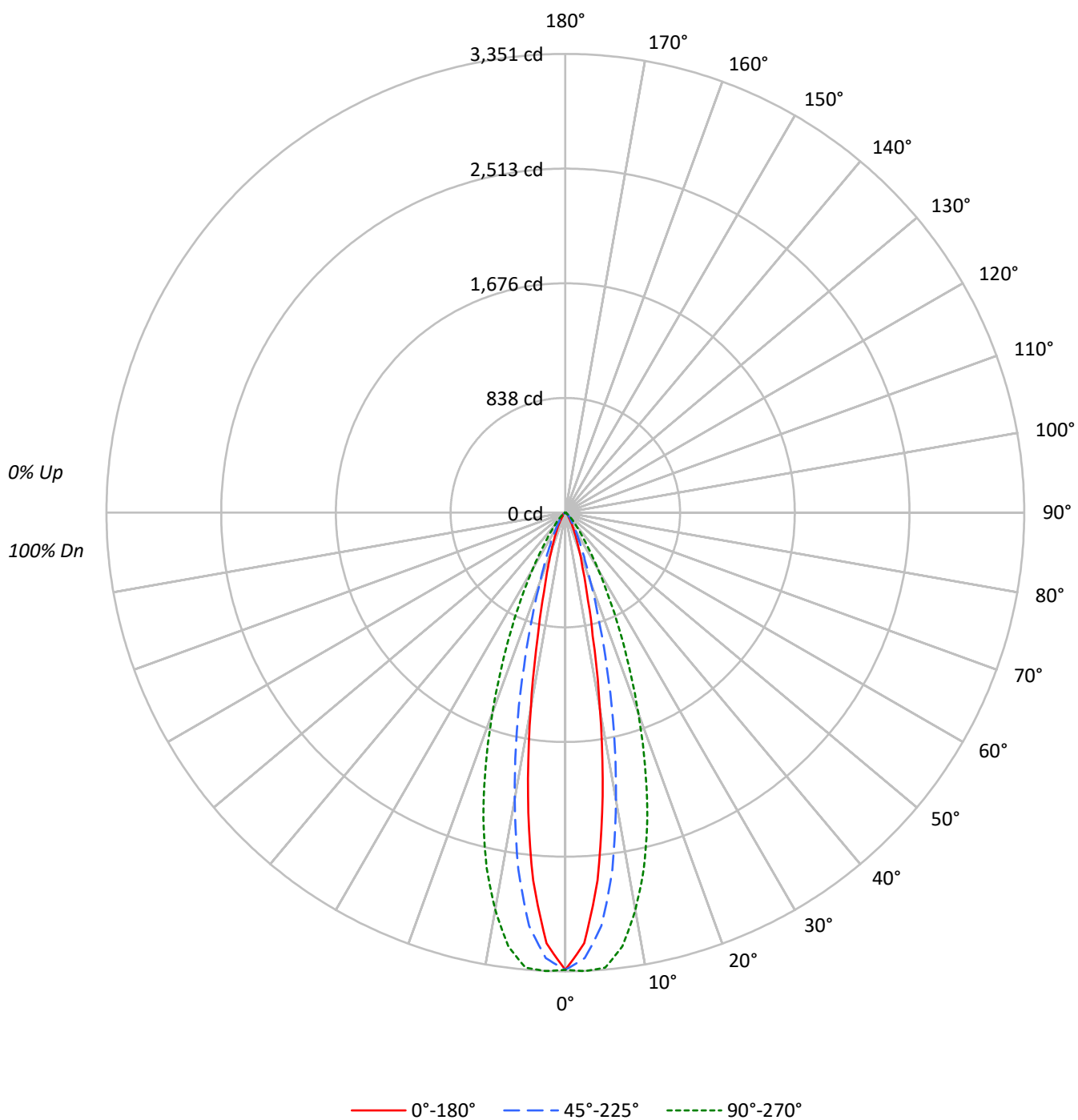
Lumens per Lamp: N/A
Luminaire Lumens: 941.4 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	96	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	95	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°	1647927	1647927	1647927
5°	1335778	1500299	1652241
10°	726260	1065168	1475365
15°	307174	597749	1180941
20°	156825	281098	816571
25°	86826	143767	497712
30°	48594	79870	271398
35°	28127	48363	138284
40°	20931	36646	76576
45°	18420	24839	45352
50°	19495	16348	24177
55°	14020	11354	13074
60°	8979	7992	7992
65°	7121	7121	7121
70°	5914	5914	5914
75°	5719	5719	5719
80°	5682	5682	5682
85°	5661	5661	5661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 45352 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.3	27.6
10°-20°	368.0	39.1
20°-30°	189.6	20.1
30°-40°	69.8	7.4
40°-50°	30.6	3.3
50°-60°	13.4	1.4
60°-70°	5.9	0.6
70°-80°	2.9	0.3
80°-90°	0.8	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°	817.9	86.9
0°-40°	887.7	94.3
0°-60°	931.7	99.0
0°-90°	941.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	941.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3340	3340	3340	3340	3340	
5°	2697	2789	3029	3244	3336	217
15°	601	699	1170	1952	2312	184
25°	160	179	264	606	914	77
35°	47	54	80	140	230	32
45°	26	30	36	43	65	21
55°	16	14	13	14	15	15
65°	6	6	6	5	6	6
75°	3	3	3	3	3	3
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°	3340.2	3340.2	3340.2	3340.2	3340.2
2.5°	3149.2	3186.8	3256.9	3324.0	3351.4
5°	2697.2	2788.6	3029.4	3243.7	3336.2
7.5°	2088.6	2239.0	2629.1	3030.4	3194.9
10°	1449.7	1602.0	2126.2	2703.3	2945.0
12.5°	924.5	1072.8	1638.6	2340.6	2654.5
15°	601.4	698.9	1170.3	1952.5	2312.1
17.5°	417.5	486.6	796.5	1541.1	1933.2
20°	298.7	347.4	535.4	1175.4	1555.3
22.5°	216.4	249.9	371.8	858.4	1208.9
25°	159.5	178.8	264.1	606.5	914.3
27.5°	117.8	130.0	191.0	418.5	668.4
30°	85.3	95.5	140.2	287.5	476.4
32.5°	62.0	71.1	104.6	199.1	332.2
35°	46.7	53.8	80.3	140.2	229.6
37.5°	38.6	42.7	66.0	101.6	162.5
40°	32.5	36.6	56.9	75.2	118.9
42.5°	28.4	33.5	46.7	55.9	89.4
45°	26.4	30.5	35.6	42.7	65.0
47.5°	26.4	25.4	27.4	32.5	45.7
50°	25.4	21.3	21.3	25.4	31.5
52.5°	21.3	17.3	17.3	18.3	21.3
55°	16.3	14.2	13.2	14.2	15.2
57.5°	12.2	12.2	11.2	10.2	11.2
60°	9.1	9.1	8.1	8.1	8.1
62.5°	7.1	7.1	7.1	6.1	7.1
65°	6.1	6.1	6.1	5.1	6.1
67.5°	5.1	5.1	4.1	5.1	5.1
70°	4.1	4.1	4.1	4.1	4.1
72.5°	3.0	3.0	3.0	3.0	3.0
75°	3.0	3.0	3.0	3.0	3.0
77.5°	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0
82.5°	1.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0
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)