

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: PORTFOLIO

Report Number: P498171

Luminaire Tested: **LDA2B158050R45D010 2LBD1MW**

Issue Date: 3/8/2021

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P498171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/8/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B158050R45D010 2LBD1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

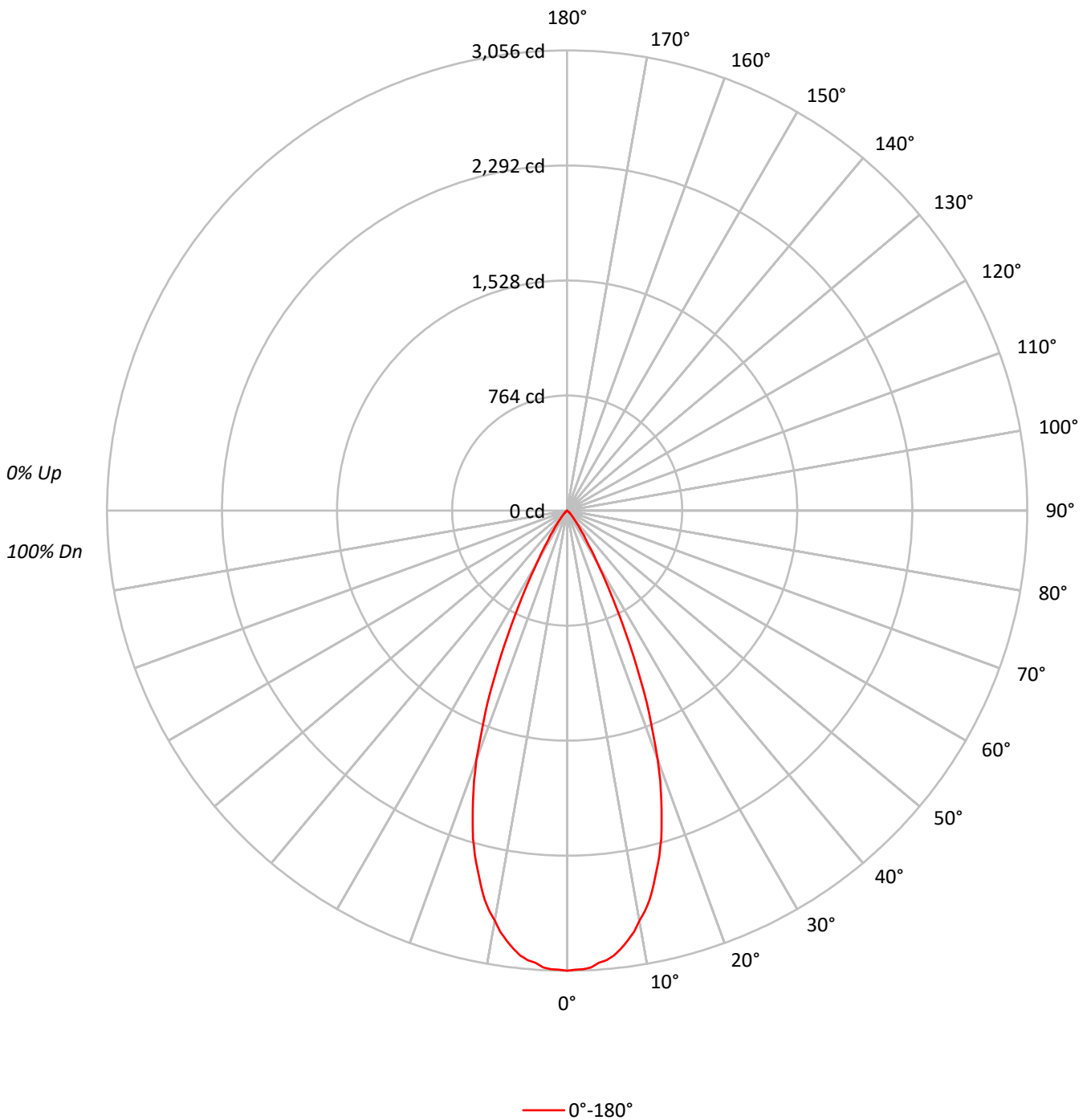
Lumens per Lamp: N/A
Luminaire Lumens: 1519.1 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 0.71 / 0.65
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): 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: 25 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	105	100	96	93	104	99	95	92	96	93	90		94	91	89		92	90	88	86
4	101	95	90	87	100	94	90	86	92	88	85		90	87	84		88	86	84	82
5	97	90	86	82	96	90	85	82	88	84	81		86	83	80		85	82	80	78
6	94	86	81	78	92	86	81	77	84	80	77		83	79	76		82	78	76	75
7	90	82	77	74	89	82	77	74	81	76	73		80	76	73		78	75	73	71
8	87	79	74	71	86	78	74	70	77	73	70		76	73	70		76	72	70	68
9	84	76	71	67	83	75	70	67	74	70	67		73	70	67		73	69	67	66
10	81	73	68	65	80	72	68	64	71	67	64		71	67	64		70	67	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1507714
5°	1484749
10°	1385540
15°	1209187
20°	924568
25°	536907
30°	227760
35°	94318
40°	41669
45°	21560
50°	10745
55°	2494
60°	1480
65°	817
70°	1010
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.0	18.4
10°-20°	645.7	42.5
20°-30°	451.4	29.7
30°-40°	111.8	7.4
40°-50°	25.9	1.7
50°-60°	4.3	0.3
60°-70°	0.8	0.1
70°-80°	0.3	0.0
80°-90°	0.0	0.0
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°	1376.1	90.6
0°-40°	1487.9	97.9
0°-60°	1518.0	99.9
0°-90°	1519.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1519.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3056	
5°	2998	279
15°	2367	646
25°	986	451
35°	157	112
45°	31	26
55°	3	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3056.0
1°	3049.4
2°	3048.0
3°	3038.4
4°	3011.2
5°	2998.0
6°	2970.8
7°	2931.8
8°	2884.1
9°	2834.8
10°	2765.7
11°	2709.1
12°	2640.0
13°	2550.4
14°	2459.2
15°	2367.4
16°	2265.9
17°	2145.4
18°	2023.4
19°	1897.7
20°	1761.0
21°	1597.1
22.5°	1384.7
23°	1297.2
24°	1140.0
25°	986.3
26°	842.3
27°	707.8
28°	589.5
29°	486.6
30°	399.8
32.5°	246.2
35°	156.6
37.5°	101.4
40°	64.7
42.5°	44.1
45°	30.9
47.5°	22.0
50°	14.0
52.5°	7.3
55°	2.9
57.5°	1.5
60°	1.5
62.5°	0.7
65°	0.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)