

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: P495361

Luminaire Tested: **LDA2B108050R45D010 2LBD1MB**

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: P495361
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: LDA2B108050R45D010 2LBD1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

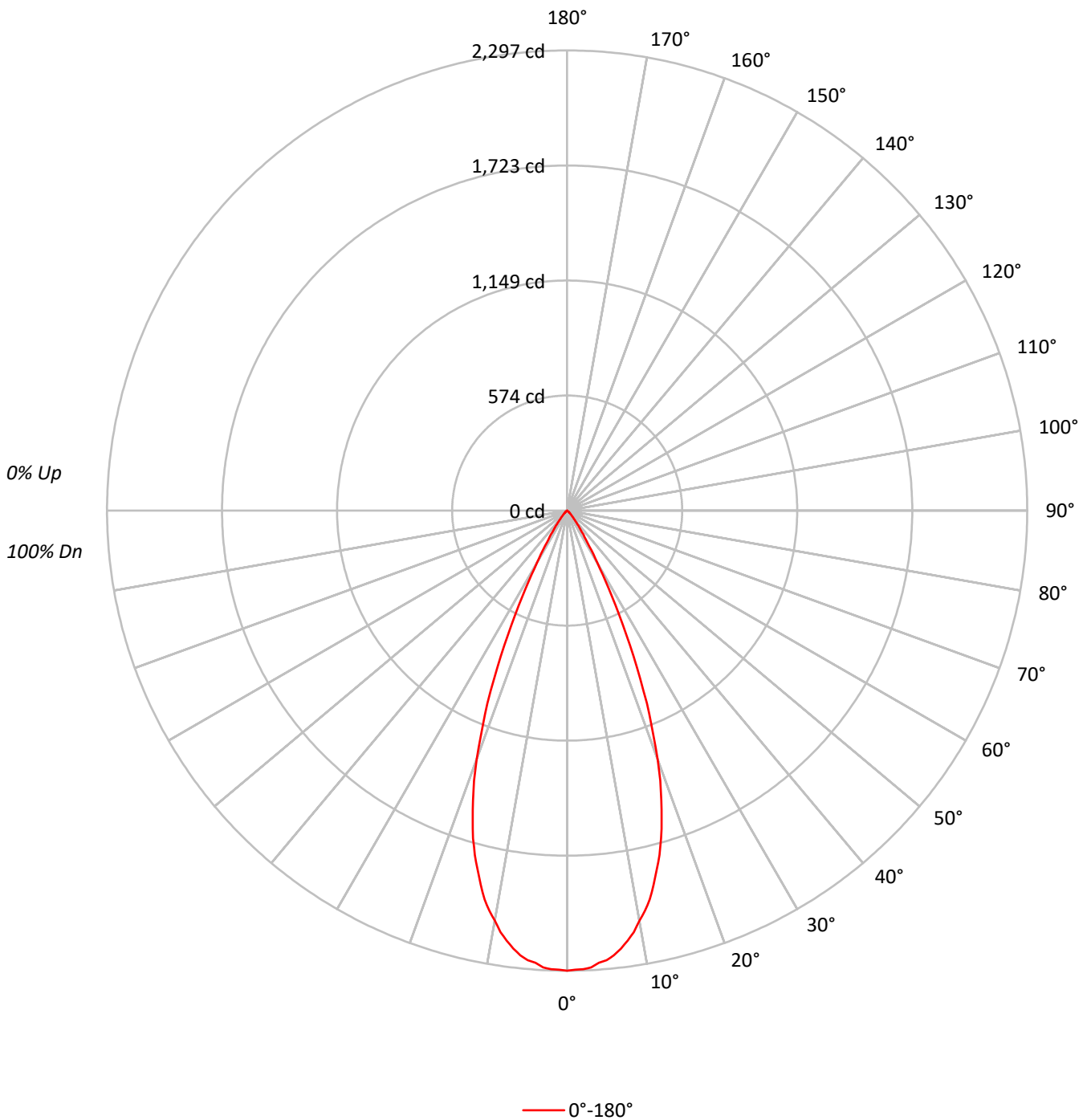
Lumens per Lamp: N/A
Luminaire Lumens: 1141.7 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 0.71 / 0.65
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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	83	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	70	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°	1133153
5°	1115840
10°	1041322
15°	908754
20°	694870
25°	403537
30°	171190
35°	70889
40°	31300
45°	16187
50°	8059
55°	1892
60°	1085
65°	700
70°	865
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.7	18.4
10°-20°	485.2	42.5
20°-30°	339.3	29.7
30°-40°	84.0	7.4
40°-50°	19.5	1.7
50°-60°	3.2	0.3
60°-70°	0.7	0.1
70°-80°	0.2	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°	1034.2	90.6
0°-40°	1118.2	97.9
0°-60°	1140.8	99.9
0°-90°	1141.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1141.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2297	
5°	2253	210
15°	1779	485
25°	741	339
35°	118	84
45°	23	19
55°	2	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2296.8
1°	2291.8
2°	2290.7
3°	2283.5
4°	2263.1
5°	2253.1
6°	2232.7
7°	2203.4
8°	2167.5
9°	2130.5
10°	2078.6
11°	2036.0
12°	1984.1
13°	1916.7
14°	1848.2
15°	1779.2
16°	1703.0
17°	1612.4
18°	1520.7
19°	1426.2
20°	1323.5
21°	1200.3
22.5°	1040.7
23°	974.9
24°	856.7
25°	741.3
26°	633.0
27°	531.9
28°	443.0
29°	365.7
30°	300.5
32.5°	185.0
35°	117.7
37.5°	76.2
40°	48.6
42.5°	33.1
45°	23.2
47.5°	16.6
50°	10.5
52.5°	5.5
55°	2.2
57.5°	1.1
60°	1.1
62.5°	0.6
65°	0.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.6
70°	0.6
72.5°	0.6
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)