

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: P494554

Luminaire Tested: **LDA2B108027R65D010 2LBDL1MMS**

Issue Date: 3/9/2021

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: P494554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-68)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B108027R65D010 2LBDL1MMS
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

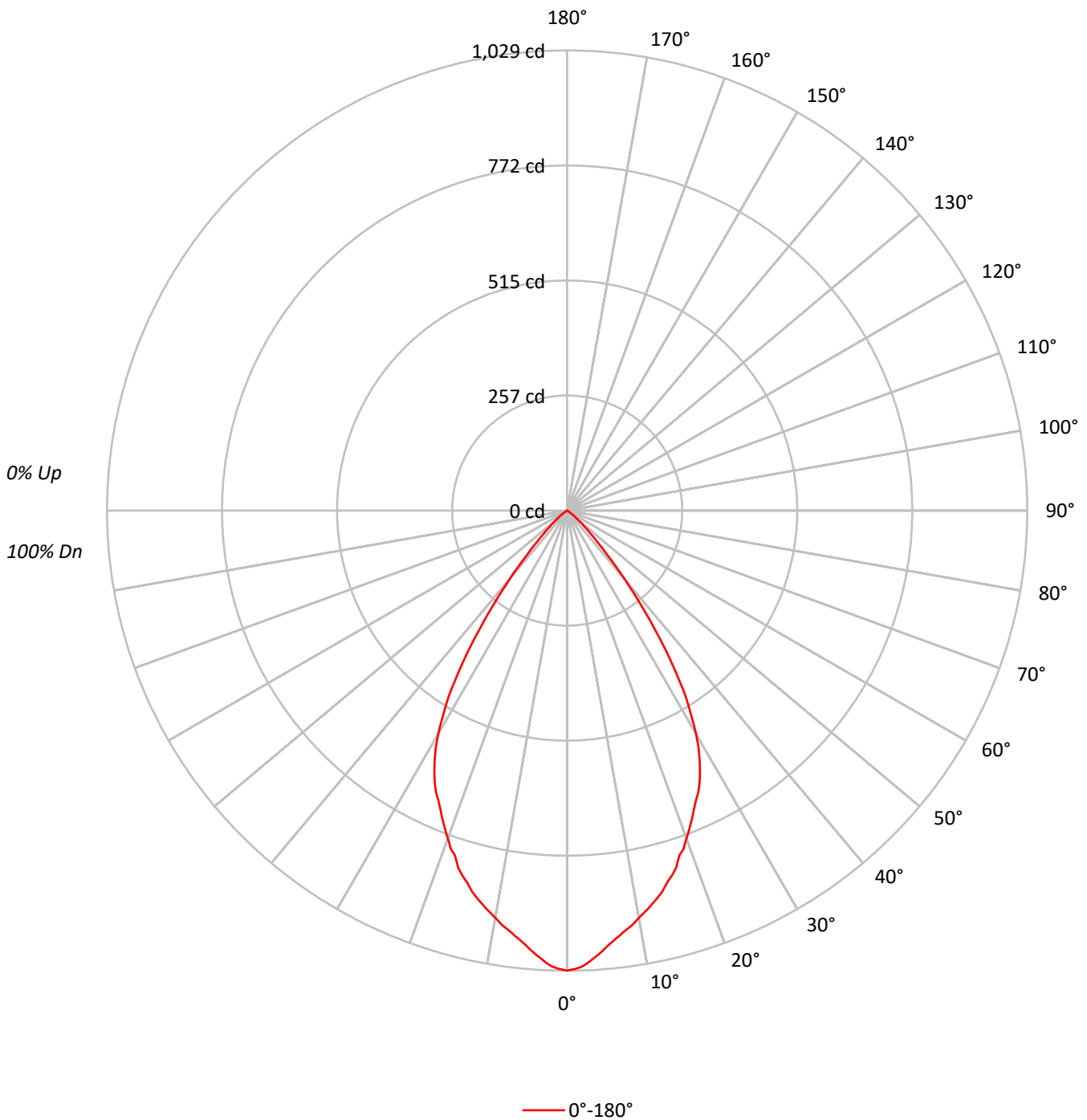
Lumens per Lamp: N/A
Luminaire Lumens: 970.1 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.94
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	53	52
10	71	61	55	51	70	60	54	51	59	54	50	59	54	50	58	53	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	507571
5°	486431
10°	463199
15°	440229
20°	409519
25°	378061
30°	328025
35°	235372
40°	127842
45°	54631
50°	23487
55°	8429
60°	1579
65°	1167
70°	721
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.9	9.5
10°-20°	241.4	24.9
20°-30°	315.7	32.5
30°-40°	240.1	24.8
40°-50°	69.4	7.2
50°-60°	10.4	1.1
60°-70°	0.9	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°	649.0	66.9
0°-40°	889.2	91.7
0°-60°	969.0	99.9
0°-90°	970.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	970.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1029	
5°	982	92
15°	862	241
25°	694	316
35°	391	240
45°	78	69
55°	10	10
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1028.8
1°	1025.2
2°	1019.5
3°	1008.1
4°	995.6
5°	982.2
6°	969.2
7°	957.8
8°	946.9
9°	937.1
10°	924.6
11°	913.7
12°	902.3
13°	890.9
14°	878.5
15°	861.9
16°	849.5
17°	834.4
18°	811.6
19°	799.7
20°	780.0
21°	762.4
22.5°	735.5
23°	725.1
24°	709.0
25°	694.5
26°	675.3
27°	654.1
28°	630.8
29°	605.9
30°	575.8
32.5°	493.4
35°	390.8
37.5°	288.2
40°	198.5
42.5°	125.9
45°	78.3
47.5°	48.7
50°	30.6
52.5°	18.1
55°	9.8
57.5°	3.6
60°	1.6
62.5°	1.0
65°	1.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.5
70°	0.5
72.5°	0.5
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)