

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: P496271

Luminaire Tested: **LDA2B109035R65D010 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: P496271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-66)
Test Lab: INNOVATION CENTER
Issue Date: 3/8/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B109035R65D010 2LBD1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

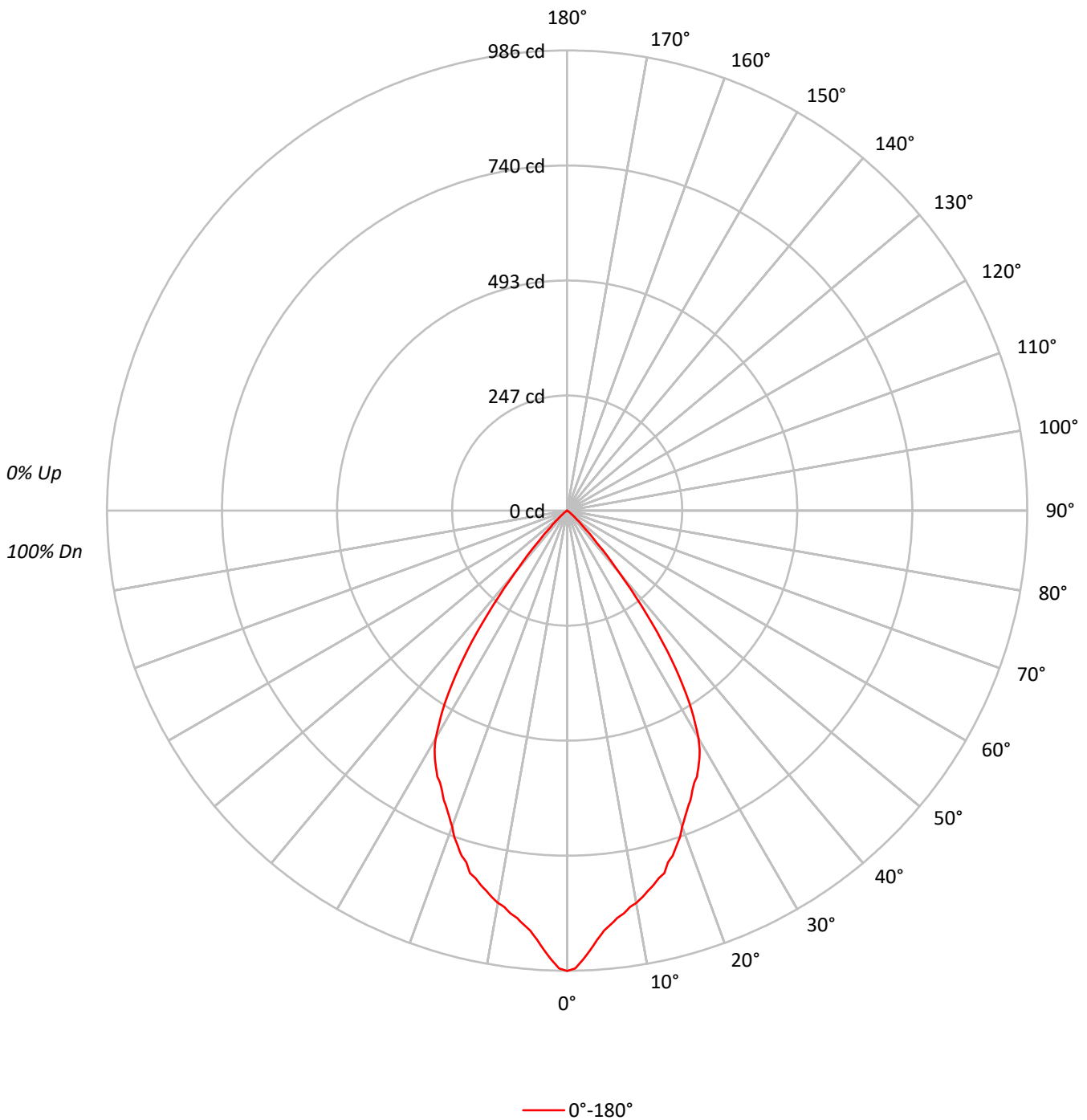
Lumens per Lamp: N/A
Luminaire Lumens: 895.7 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.95
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	83	78	73	90	82	77	73	81	76	72	79	75	72	77	74	71	69
6	87	78	72	68	86	77	72	67	76	71	67	74	70	66	73	69	66	65
7	83	73	67	63	81	73	67	63	71	66	62	70	65	62	69	65	62	60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56
9	75	65	59	55	73	64	58	54	63	58	54	62	58	54	61	57	54	53
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	486701
5°	447604
10°	427730
15°	410758
20°	378333
25°	350407
30°	321075
35°	235794
40°	111676
45°	36700
50°	11897
55°	1548
60°	888
65°	467
70°	577
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.9	9.5
10°-20°	223.7	25.0
20°-30°	296.7	33.1
30°-40°	234.7	26.2
40°-50°	51.3	5.7
50°-60°	3.8	0.4
60°-70°	0.5	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°	605.3	67.6
0°-40°	840.0	93.8
0°-60°	895.1	99.9
0°-90°	895.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	895.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	986	
5°	904	85
15°	804	224
25°	644	297
35°	392	235
45°	53	51
55°	2	4
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	986.5
1°	981.2
2°	963.1
3°	943.2
4°	922.4
5°	903.8
6°	891.8
7°	879.9
8°	871.9
9°	860.0
10°	853.8
11°	844.1
12°	833.0
13°	823.3
14°	812.2
15°	804.2
16°	783.9
17°	773.7
18°	756.9
19°	741.4
20°	720.6
21°	703.8
22.5°	681.7
23°	675.5
24°	658.7
25°	643.7
26°	634.4
27°	618.9
28°	603.8
29°	585.7
30°	563.6
32.5°	486.6
35°	391.5
37.5°	279.1
40°	173.4
42.5°	97.8
45°	52.6
47.5°	28.3
50°	15.5
52.5°	6.6
55°	1.8
57.5°	0.9
60°	0.9
62.5°	0.4
65°	0.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.4
70°	0.4
72.5°	0.4
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)