

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: P494928

Luminaire Tested: **LDA2B108035R45D010 2LBD1LI**

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: P494928
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: LDA2B108035R45D010 2LBD1LI
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

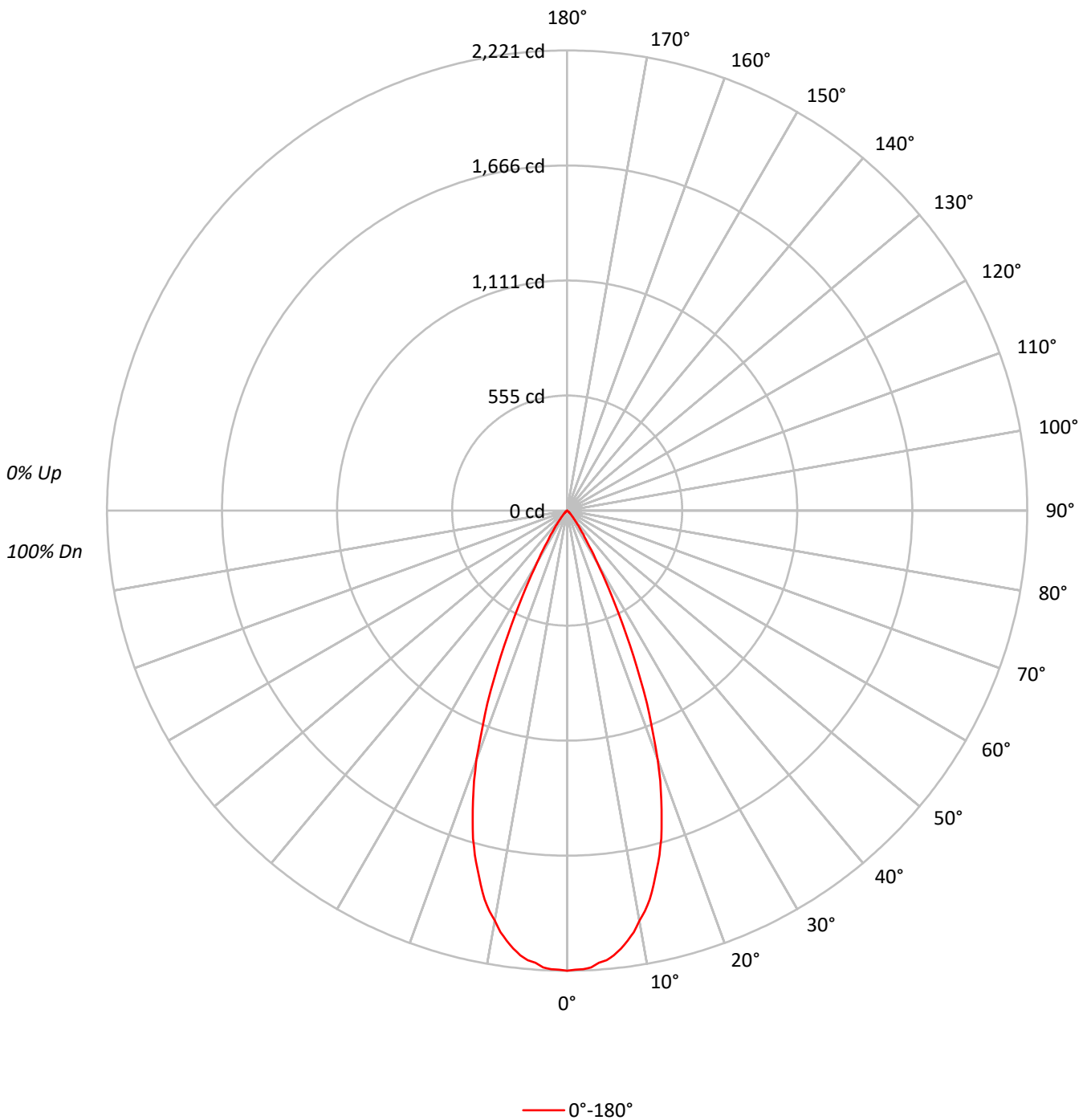
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1103.9 lumens
Efficiency: N/A
Efficacy: 110.4 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	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95	95		
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91	91	91	91	91		
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	90	88	86	86	86	86	86		
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	84	82	82	82	82	82		
5	97	90	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	78	78	78	78	78		
6	94	86	81	78	92	86	81	77	84	80	77	83	79	76	82	78	76	75	75	75	75	75		
7	90	82	77	74	89	82	77	74	81	76	73	80	76	73	78	75	73	71	71	71	71	71		
8	87	79	74	71	86	78	74	70	77	73	70	76	73	70	76	72	70	68	68	68	68	68		
9	84	76	71	67	83	75	70	67	74	70	67	73	70	67	73	69	67	66	66	66	66	66		
10	81	73	68	65	80	72	68	64	71	67	64	71	67	64	70	67	64	63	63	63	63	63		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1095757
5°	1079043
10°	1006955
15°	878772
20°	671927
25°	390200
30°	165550
35°	68540
40°	30270
45°	15629
50°	7752
55°	1806
60°	1085
65°	584
70°	721
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.8	18.4
10°-20°	469.2	42.5
20°-30°	328.1	29.7
30°-40°	81.2	7.4
40°-50°	18.8	1.7
50°-60°	3.1	0.3
60°-70°	0.6	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°	1000.1	90.6
0°-40°	1081.3	97.9
0°-60°	1103.2	99.9
0°-90°	1103.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1103.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2221	
5°	2179	203
15°	1720	469
25°	717	328
35°	114	81
45°	22	19
55°	2	3
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2221.0
1°	2216.2
2°	2215.1
3°	2208.2
4°	2188.4
5°	2178.8
6°	2159.0
7°	2130.7
8°	2096.0
9°	2060.2
10°	2010.0
11°	1968.9
12°	1918.7
13°	1853.5
14°	1787.3
15°	1720.5
16°	1646.8
17°	1559.2
18°	1470.5
19°	1379.2
20°	1279.8
21°	1160.7
22.5°	1006.3
23°	942.8
24°	828.5
25°	716.8
26°	612.1
27°	514.4
28°	428.4
29°	353.6
30°	290.6
32.5°	178.9
35°	113.8
37.5°	73.7
40°	47.0
42.5°	32.0
45°	22.4
47.5°	16.0
50°	10.1
52.5°	5.3
55°	2.1
57.5°	1.1
60°	1.1
62.5°	0.5
65°	0.5



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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)