

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: P499680

Luminaire Tested: **LDA2B159727R45D010 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: P499680
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: LDA2B159727R45D010 2LBD1LI
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

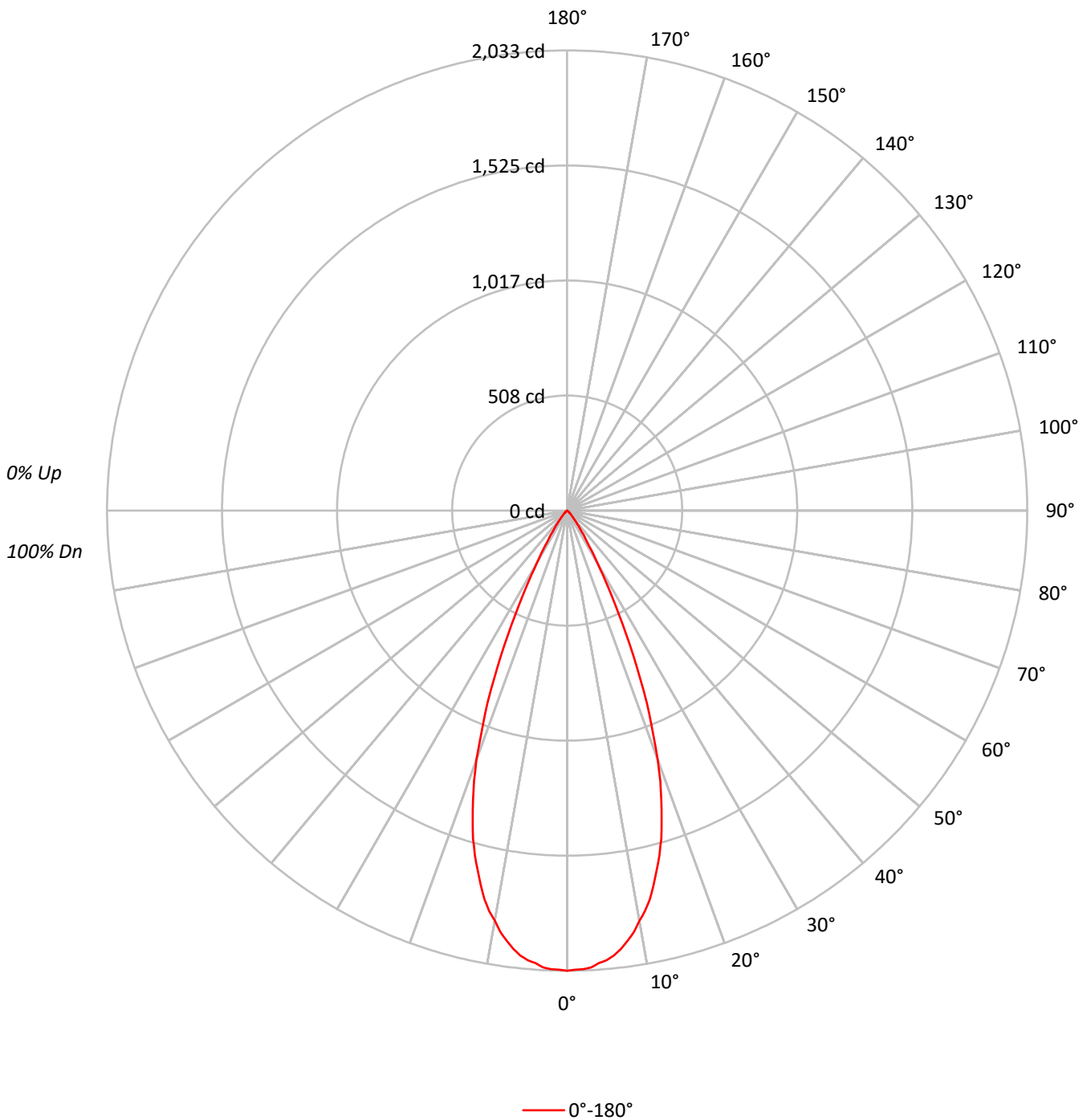
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1010.7 lumens
Efficiency: N/A
Efficacy: 71.7 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	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	70	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°	1003103
5°	987818
10°	921840
15°	804456
20°	615119
25°	357212
30°	151536
35°	62758
40°	27694
45°	14303
50°	7138
55°	1720
60°	987
65°	584
70°	721
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.6	18.4
10°-20°	429.6	42.5
20°-30°	300.4	29.7
30°-40°	74.4	7.4
40°-50°	17.2	1.7
50°-60°	2.9	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°	915.5	90.6
0°-40°	989.9	97.9
0°-60°	1010.0	99.9
0°-90°	1010.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1010.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2033	
5°	1995	186
15°	1575	430
25°	656	300
35°	104	74
45°	20	17
55°	2	3
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2033.2
1°	2028.8
2°	2027.9
3°	2021.5
4°	2003.4
5°	1994.6
6°	1976.5
7°	1950.6
8°	1918.8
9°	1886.0
10°	1840.1
11°	1802.4
12°	1756.5
13°	1696.8
14°	1636.2
15°	1575.0
16°	1507.6
17°	1427.4
18°	1346.2
19°	1262.6
20°	1171.6
21°	1062.6
22.5°	921.3
23°	863.1
24°	758.4
25°	656.2
26°	560.4
27°	470.9
28°	392.2
29°	323.7
30°	266.0
32.5°	163.8
35°	104.2
37.5°	67.5
40°	43.0
42.5°	29.3
45°	20.5
47.5°	14.7
50°	9.3
52.5°	4.9
55°	2.0
57.5°	1.0
60°	1.0
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)