

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: P497184

Luminaire Tested: **LDA2B158027R20D010 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: P497184
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/8/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B158027R20D010 2LBD1LI
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

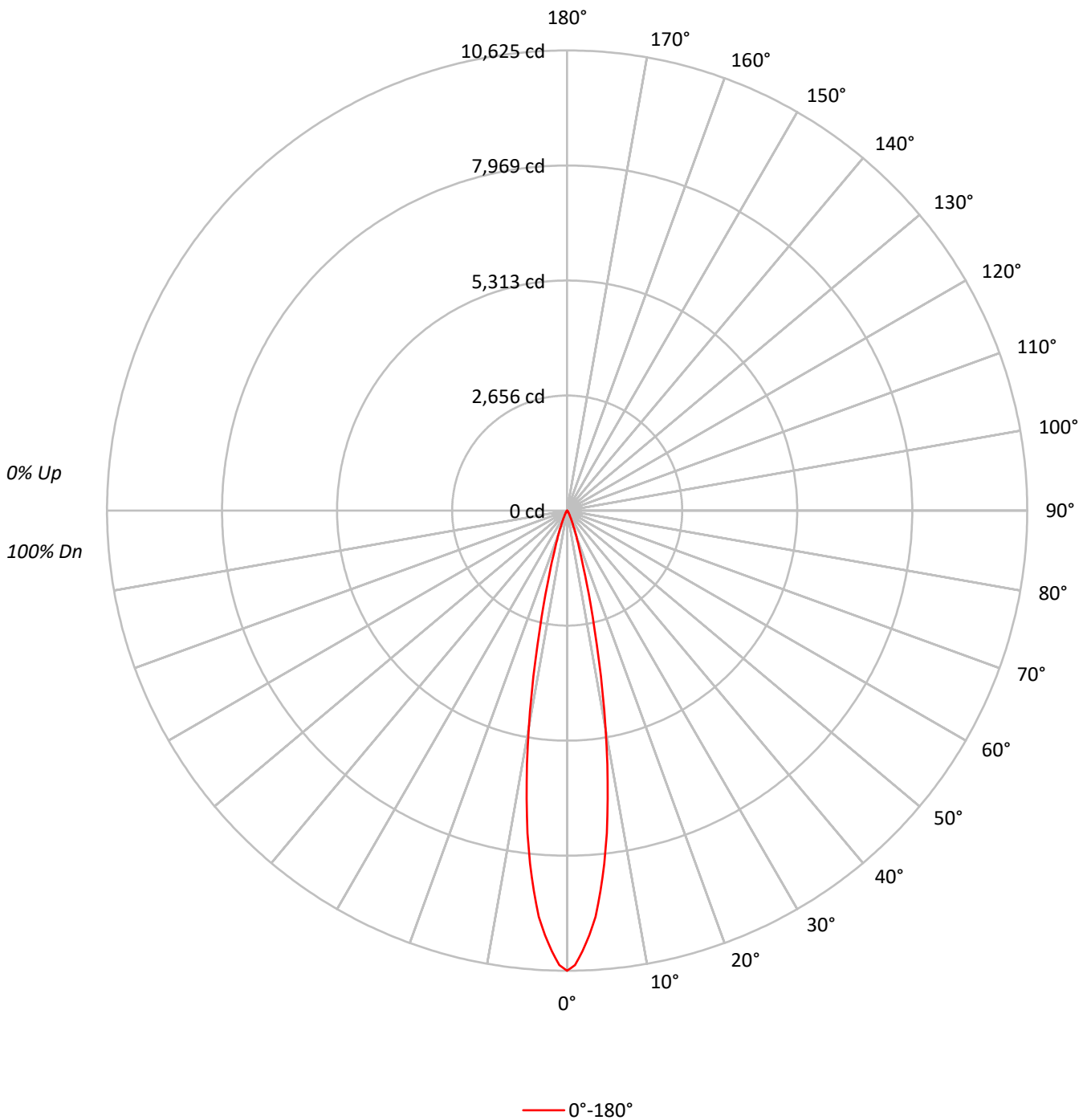
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1414.4 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.32
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					
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10		
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	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	94	92	90	93	93
4	107	102	99	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	89	87	88	88
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	87	85	86	86
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	85	83	84	84
7	100	94	91	88	99	94	90	88	92	90	87	92	89	87	91	88	87	86	84	82	83	83
8	98	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	82	80	81	81
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	82	80	78	79	79
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	79	77	78	78

AVERAGE LUMINANCE (cd/sqm):

0°	
0°	5242068
5°	4367627
10°	2561473
15°	897160
20°	301994
25°	116385
30°	53436
35°	23670
40°	11528
45°	6768
50°	3684
55°	1204
60°	691
65°	817
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	721.5	51.0
10°-20°	541.8	38.3
20°-30°	113.8	8.0
30°-40°	27.3	1.9
40°-50°	7.8	0.6
50°-60°	1.7	0.1
60°-70°	0.4	0.0
70°-80°	0.0	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°	1377.2	97.4
0°-40°	1404.5	99.3
0°-60°	1414.0	100.0
0°-90°	1414.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1414.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10625	
5°	8819	722
15°	1756	542
25°	214	114
35°	39	27
45°	10	8
55°	1	2
65°	1	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10625.2
1°	10495.6
2°	10178.3
3°	9812.8
4°	9403.9
5°	8819.1
6°	8198.4
7°	7509.4
8°	6722.6
9°	5928.1
10°	5113.0
11°	4274.4
12°	3535.8
13°	2815.1
14°	2240.6
15°	1756.5
16°	1377.9
17°	1086.9
18°	873.8
19°	708.3
20°	575.2
22.5°	349.0
25°	213.8
27.5°	140.0
30°	93.8
32.5°	57.2
35°	39.3
37.5°	26.9
40°	17.9
42.5°	13.1
45°	9.7
47.5°	6.9
50°	4.8
52.5°	2.8
55°	1.4
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)