

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: P491642

Luminaire Tested: **LDA2B058027R30D010 2LBPIN1H**

Issue Date: 3/12/2021

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: P491642
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B058027R30D010 2LBPIN1H
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

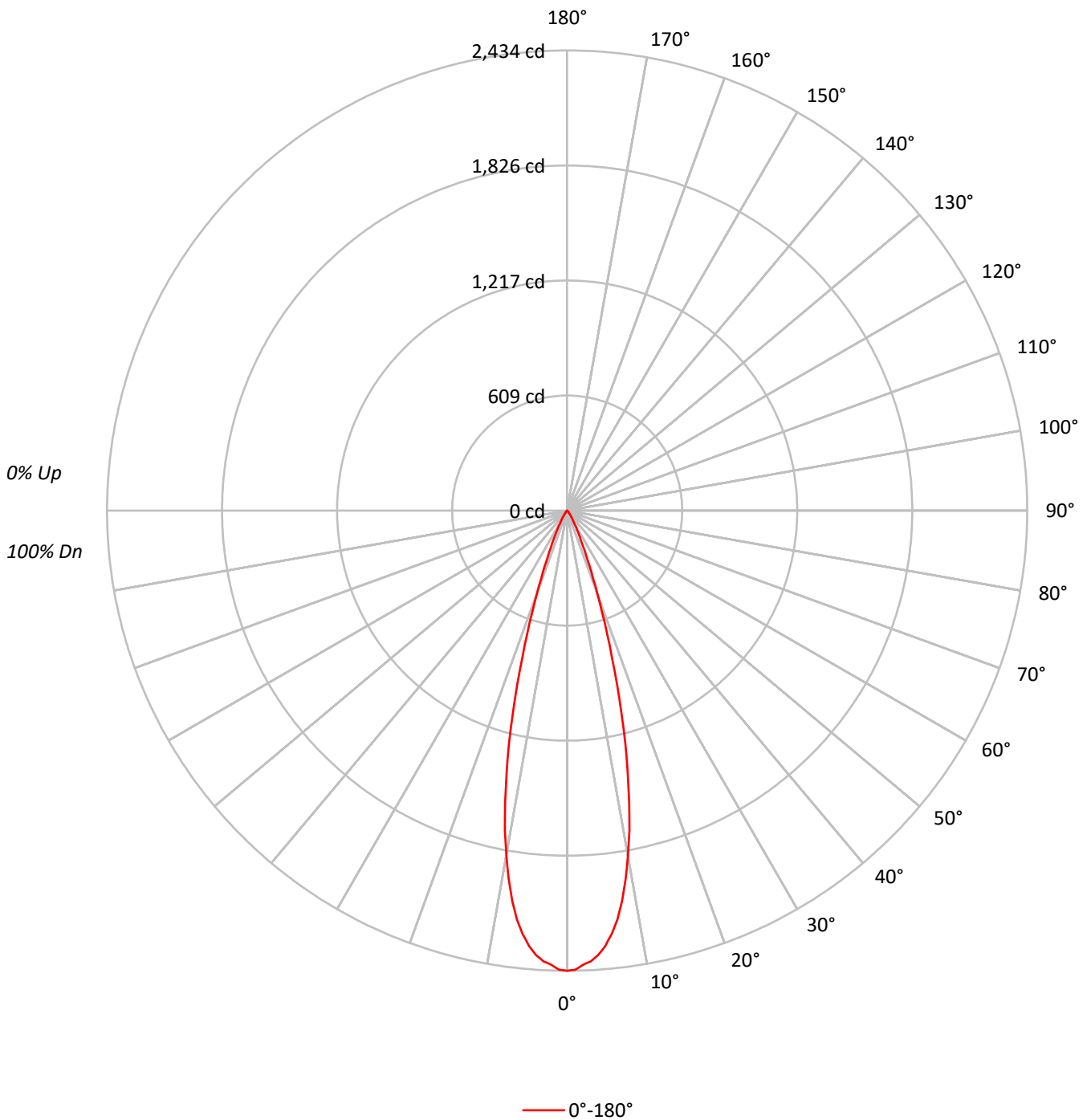
Lumens per Lamp: N/A
Luminaire Lumens: 619.7 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.46
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
Input Voltage (V): NR
Input Current (Ain): 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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94		97	95	93		95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		93	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87		91	89	86		90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84		89	86	84		88	85	83	82
7	96	89	85	82	95	89	85	82	87	84	81		86	83	81		85	83	81	80
8	93	86	82	79	92	86	82	79	85	81	79		84	81	79		83	81	78	77
9	90	84	80	77	90	83	80	77	83	79	77		82	79	76		81	78	76	75
10	88	81	77	75	87	81	77	75	80	77	75		80	77	74		79	76	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1201040
5°	1145158
10°	928703
15°	567716
20°	248074
25°	92814
30°	38454
35°	18008
40°	8372
45°	4047
50°	2226
55°	860
60°	296
65°	350
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.3	33.3
10°-20°	297.8	48.1
20°-30°	88.9	14.3
30°-40°	20.4	3.3
40°-50°	5.0	0.8
50°-60°	1.1	0.2
60°-70°	0.2	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°	593.0	95.7
0°-40°	613.4	99.0
0°-60°	619.5	100.0
0°-90°	619.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	619.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2434	
5°	2312	206
15°	1112	298
25°	170	89
35°	30	20
45°	6	5
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2434.4
1°	2428.9
2°	2404.2
3°	2387.7
4°	2356.8
5°	2312.3
6°	2251.6
7°	2179.2
8°	2087.0
9°	1974.6
10°	1853.8
11°	1724.6
12°	1577.8
13°	1420.0
14°	1270.0
15°	1111.5
16°	958.3
17°	807.3
18°	685.5
19°	567.3
20°	472.5
21°	382.8
22.5°	283.8
23°	255.9
24°	209.4
25°	170.5
26°	140.0
27°	116.6
28°	96.1
29°	80.5
30°	67.5
32.5°	44.2
35°	29.9
37.5°	19.8
40°	13.0
42.5°	8.4
45°	5.8
47.5°	4.2
50°	2.9
52.5°	1.9
55°	1.0
57.5°	0.6
60°	0.3
62.5°	0.3
65°	0.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.0
70°	0.0
72.5°	0.0
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)