

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: P491683

Luminaire Tested: **LDA2B058027R35D010 2LBDLC1MW**

Issue Date: 3/9/2021

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: P491683
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-29)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B058027R35D010 2LBDLC1MW
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

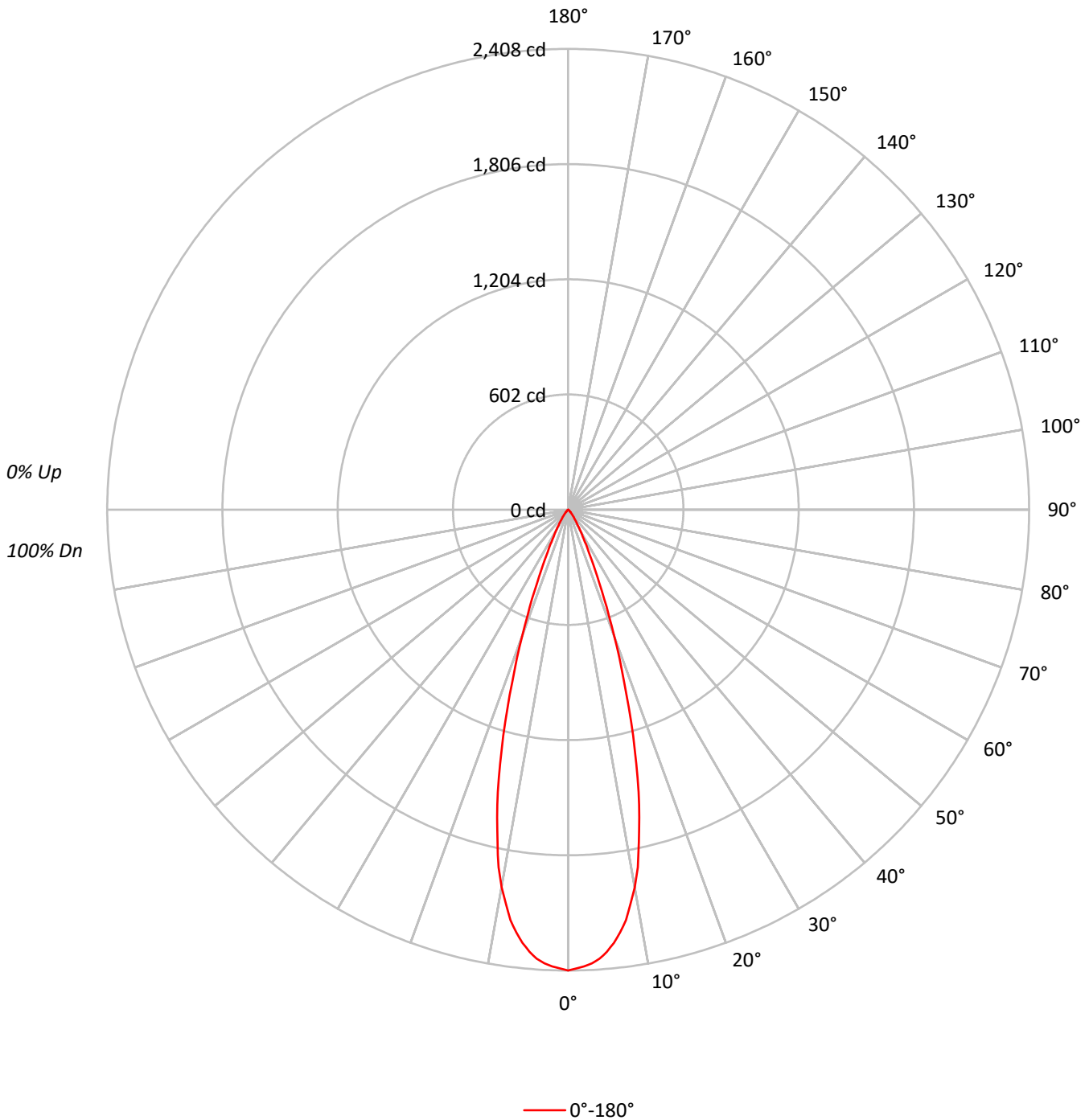
Lumens per Lamp: N/A
Luminaire Lumens: 778.3 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.51
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79
7	93	86	82	79	92	86	82	79	85	81	78	84	80	78	83	80	77	76
8	90	83	79	76	89	83	79	76	82	78	75	81	78	75	80	77	75	74
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	72	71
10	85	78	74	71	84	78	73	71	77	73	70	76	73	70	76	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1188015
5°	1148575
10°	1003699
15°	701690
20°	368462
25°	158301
30°	72407
35°	35053
40°	17840
45°	9070
50°	4989
55°	2064
60°	789
65°	467
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.4	27.2
10°-20°	366.6	47.1
20°-30°	146.3	18.8
30°-40°	39.9	5.1
40°-50°	11.1	1.4
50°-60°	2.6	0.3
60°-70°	0.5	0.1
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°	724.3	93.1
0°-40°	764.2	98.2
0°-60°	777.8	99.9
0°-90°	778.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	778.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2408	
5°	2319	211
15°	1374	367
25°	291	146
35°	58	40
45°	13	11
55°	2	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2408.0
1°	2397.8
2°	2388.0
3°	2373.3
4°	2351.3
5°	2319.2
6°	2277.2
7°	2225.1
8°	2165.6
9°	2083.3
10°	2003.5
11°	1904.5
12°	1777.9
13°	1650.4
14°	1520.4
15°	1373.8
16°	1229.6
17°	1081.4
18°	948.2
19°	822.3
20°	701.8
21°	591.0
22.5°	458.2
23°	415.4
24°	348.6
25°	290.8
26°	244.8
27°	204.5
28°	173.1
29°	147.4
30°	127.1
32.5°	85.1
35°	58.2
37.5°	40.7
40°	27.7
42.5°	18.7
45°	13.0
47.5°	9.4
50°	6.5
52.5°	4.5
55°	2.4
57.5°	1.2
60°	0.8
62.5°	0.8
65°	0.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.4
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)