

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: P492398

Luminaire Tested: **LDA2B058040R65D010 2LBDL1WMH**

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: P492398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-68)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B058040R65D010 2LBDL1WMH
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

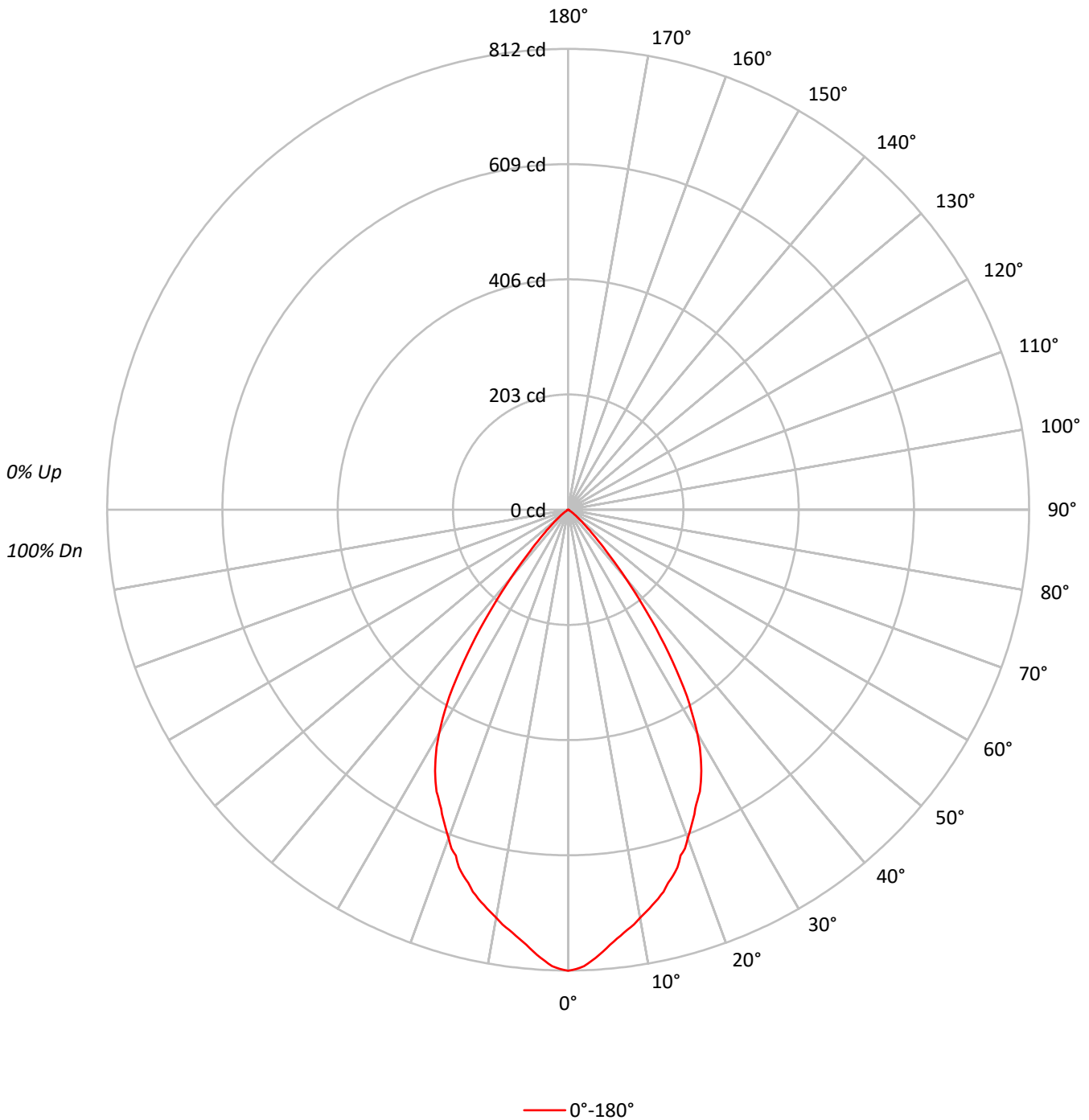
Lumens per Lamp: N/A
Luminaire Lumens: 766.0 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.94
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93				93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	87				87
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80				80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	78	76	74				74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69				69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64				64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60				60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56				56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	53	52				52
10	71	61	55	51	70	60	54	51	59	54	50	59	54	50	58	53	50	49				49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	400807
5°	384064
10°	365760
15°	347627
20°	323363
25°	298529
30°	259036
35°	185865
40°	100921
45°	43119
50°	18498
55°	6709
60°	1184
65°	934
70°	577
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	9.5
10°-20°	190.6	24.9
20°-30°	249.3	32.5
30°-40°	189.6	24.8
40°-50°	54.8	7.2
50°-60°	8.2	1.1
60°-70°	0.7	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
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0°-30°	512.5	66.9
0°-40°	702.1	91.7
0°-60°	765.2	99.9
0°-90°	766.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	766.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	812	
5°	776	73
15°	681	191
25°	548	249
35°	309	190
45°	62	55
55°	8	8
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	812.4
1°	809.5
2°	805.0
3°	796.0
4°	786.2
5°	775.5
6°	765.3
7°	756.3
8°	747.7
9°	739.9
10°	730.1
11°	721.5
12°	712.5
13°	703.5
14°	693.7
15°	680.6
16°	670.8
17°	658.9
18°	640.9
19°	631.5
20°	615.9
21°	602.0
22.5°	580.7
23°	572.5
24°	559.9
25°	548.4
26°	533.3
27°	516.5
28°	498.1
29°	478.4
30°	454.7
32.5°	389.6
35°	308.6
37.5°	227.5
40°	156.7
42.5°	99.4
45°	61.8
47.5°	38.5
50°	24.1
52.5°	14.3
55°	7.8
57.5°	2.9
60°	1.2
62.5°	0.8
65°	0.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.4
70°	0.4
72.5°	0.4
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)