

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: P492446

Luminaire Tested: **LDA2B058050R20D010 2LBDC1MB**

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: P492446
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: LDA2B058050R20D010 2LBDC1MB
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

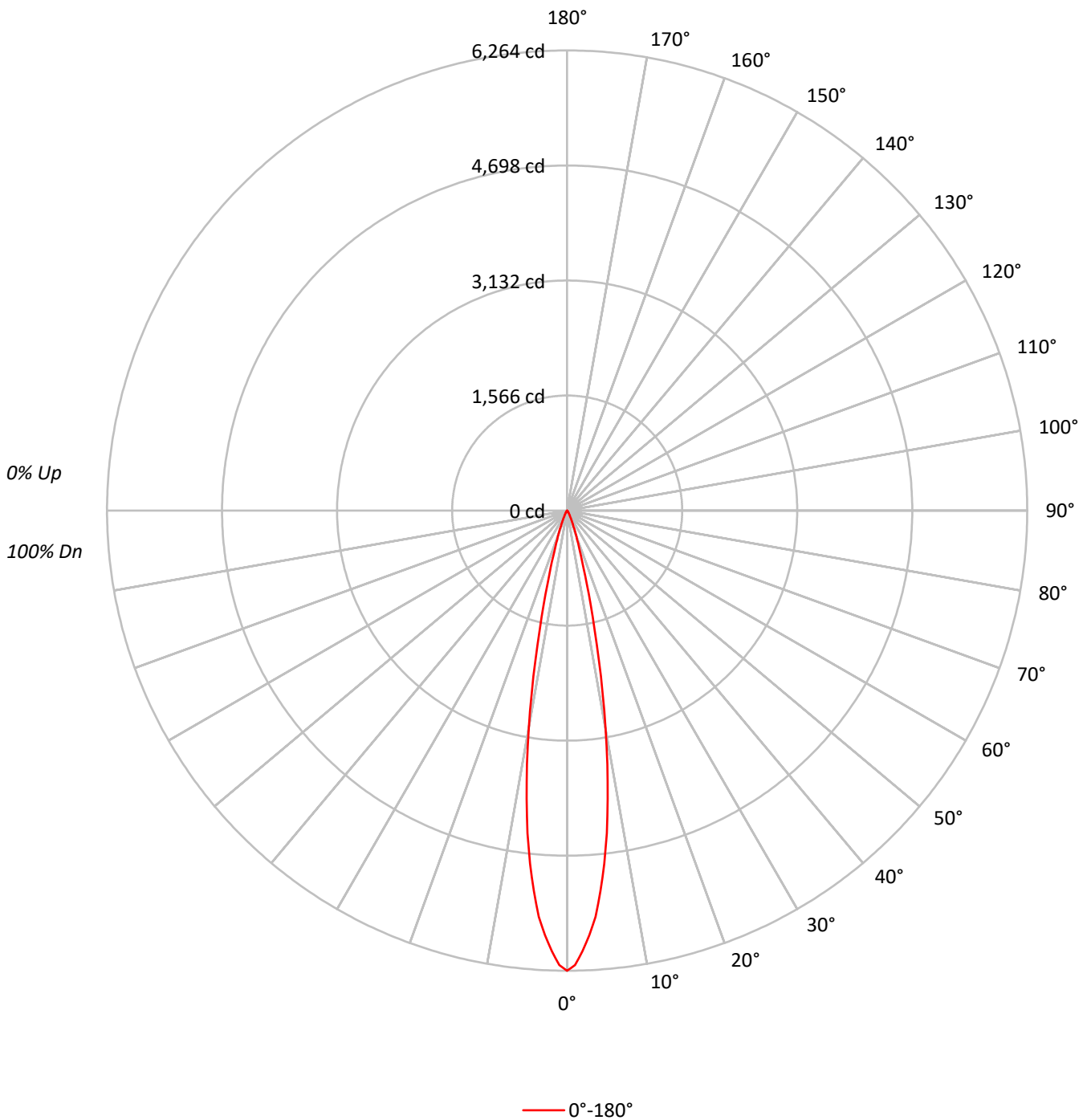
Lumens per Lamp: N/A
Luminaire Lumens: 833.8 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.32
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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				
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	111	106	106	106	106	102	102	102	102	100
1	116	114	112	110	113	111	110	109	108	106	105	105	104	103	102	102	101	100	99	99	98
2	112	109	106	104	110	107	105	103	104	102	101	101	102	100	99	99	99	98	97	97	95
3	109	105	102	100	108	104	101	99	102	99	97	97	99	97	96	96	97	96	94	94	93
4	107	102	99	96	105	101	98	95	99	96	94	94	97	95	93	93	96	94	92	92	91
5	104	99	95	93	103	98	95	92	97	94	92	92	95	93	91	91	94	92	90	90	89
6	102	96	93	90	101	96	92	90	95	92	89	89	93	91	89	89	92	90	88	88	87
7	100	94	91	88	99	94	90	88	92	90	87	87	92	89	87	87	91	88	87	87	86
8	98	92	88	86	97	91	88	86	91	88	86	86	90	87	85	85	89	87	85	85	84
9	96	90	87	84	95	90	86	84	89	86	84	84	88	86	84	84	88	85	83	83	83
10	94	88	85	83	93	88	85	82	87	84	82	82	87	84	82	82	86	84	82	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3090517
5°	2574984
10°	1510132
15°	528949
20°	178036
25°	68590
30°	31504
35°	13973
40°	6827
45°	3977
50°	2149
55°	688
60°	395
65°	467
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.4	51.0
10°-20°	319.4	38.3
20°-30°	67.1	8.0
30°-40°	16.1	1.9
40°-50°	4.6	0.6
50°-60°	1.0	0.1
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°	811.9	97.4
0°-40°	828.0	99.3
0°-60°	833.6	100.0
0°-90°	833.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	833.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6264	
5°	5199	425
15°	1036	319
25°	126	67
35°	23	16
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°	6264.2
1°	6187.8
2°	6000.8
3°	5785.3
4°	5544.2
5°	5199.4
6°	4833.5
7°	4427.3
8°	3963.4
9°	3495.0
10°	3014.4
11°	2520.0
12°	2084.6
13°	1659.7
14°	1321.0
15°	1035.6
16°	812.4
17°	640.8
18°	515.1
19°	417.6
20°	339.1
22.5°	205.7
25°	126.0
27.5°	82.5
30°	55.3
32.5°	33.7
35°	23.2
37.5°	15.9
40°	10.6
42.5°	7.7
45°	5.7
47.5°	4.1
50°	2.8
52.5°	1.6
55°	0.8
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4
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)