

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: P494327

Luminaire Tested: **LDA2B059730R65D010 2LBD1MB**

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: P494327  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-66)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/8/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B059730R65D010 2LBD1MB  
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

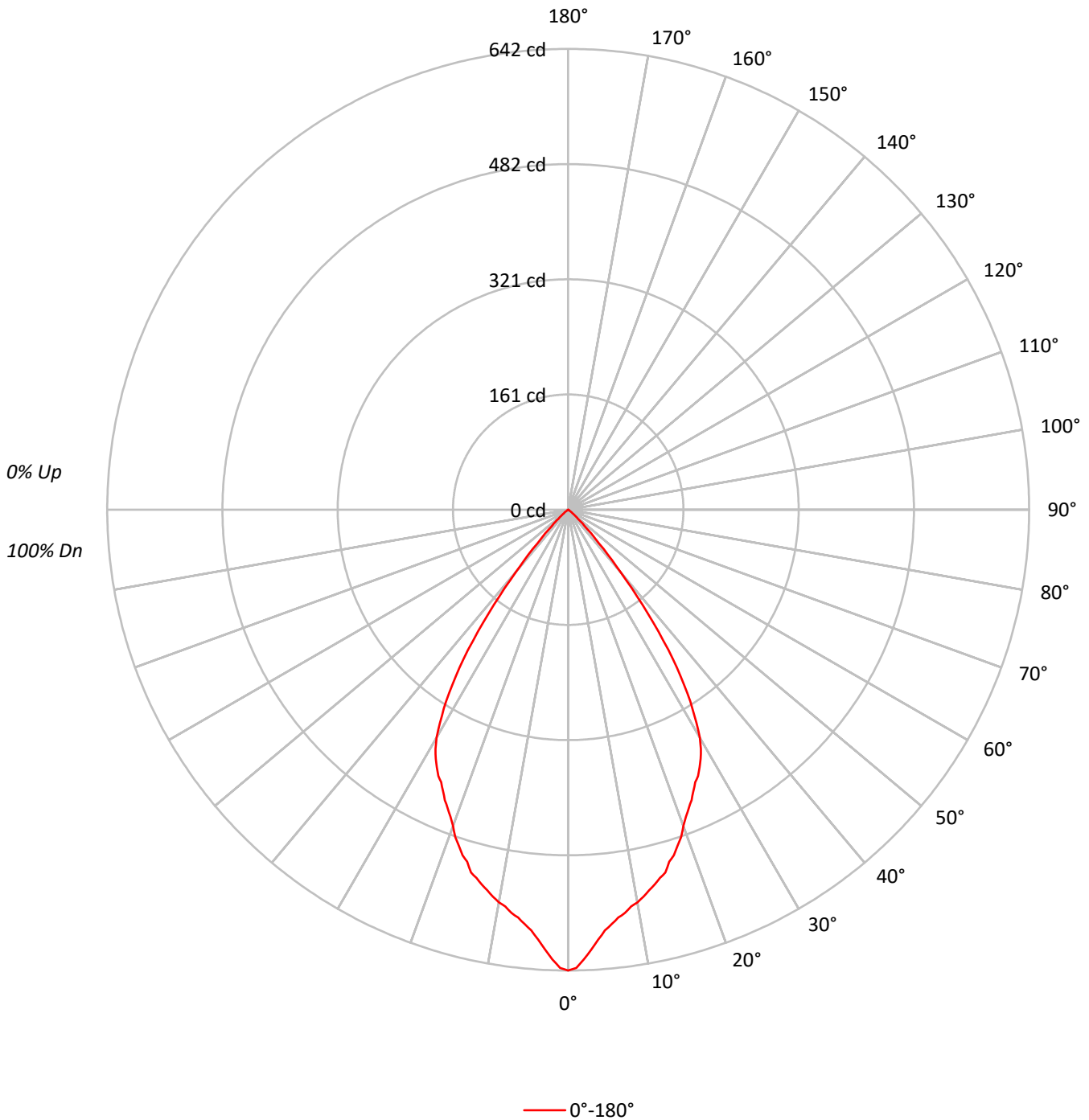
Lumens per Lamp: N/A  
Luminaire Lumens: 583.0 lumens  
Efficiency: N/A  
Efficacy: 83.3 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.95  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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	113	111	108	106	111	109	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82	79	76	75
5	92	83	78	73	90	82	77	73	81	76	72		79	75	72		77	74	71	69
6	87	78	72	68	86	77	72	67	76	71	67		74	70	66		73	69	66	65
7	83	73	67	63	81	73	67	63	71	66	62		70	65	62		69	65	62	60
8	78	69	63	58	77	68	62	58	67	62	58		66	61	58		65	61	58	56
9	75	65	59	55	73	64	58	54	63	58	54		62	58	54		61	57	54	53
10	71	61	55	51	70	61	55	51	60	54	51		59	54	51		58	54	51	49

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	316738
5°	291304
10°	278340
15°	267335
20°	246237
25°	228034
30°	208961
35°	153462
40°	72712
45°	23932
50°	7752
55°	1032
60°	592
65°	350
70°	433
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.3	9.5
10°-20°	145.6	25.0
20°-30°	193.1	33.1
30°-40°	152.8	26.2
40°-50°	33.4	5.7
50°-60°	2.5	0.4
60°-70°	0.3	0.1
70°-80°	0.1	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°	393.9	67.6
0°-40°	546.7	93.8
0°-60°	582.6	99.9
0°-90°	583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	583.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	642	
5°	588	55
15°	523	146
25°	419	193
35°	255	153
45°	34	33
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	642.0
1°	638.6
2°	626.8
3°	613.8
4°	600.3
5°	588.2
6°	580.4
7°	572.6
8°	567.4
9°	559.7
10°	555.6
11°	549.3
12°	542.1
13°	535.8
14°	528.6
15°	523.4
16°	510.2
17°	503.5
18°	492.6
19°	482.5
20°	469.0
21°	458.0
22.5°	443.7
23°	439.6
24°	428.7
25°	418.9
26°	412.8
27°	402.8
28°	393.0
29°	381.2
30°	366.8
32.5°	316.7
35°	254.8
37.5°	181.7
40°	112.9
42.5°	63.6
45°	34.3
47.5°	18.4
50°	10.1
52.5°	4.3
55°	1.2
57.5°	0.6
60°	0.6
62.5°	0.3
65°	0.3



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.3
70°	0.3
72.5°	0.3
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)