

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: P498022

Luminaire Tested: **LDA2B158040R70D010 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: P498022  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-79)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/8/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDA2B158040R70D010 2LBD1MB  
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

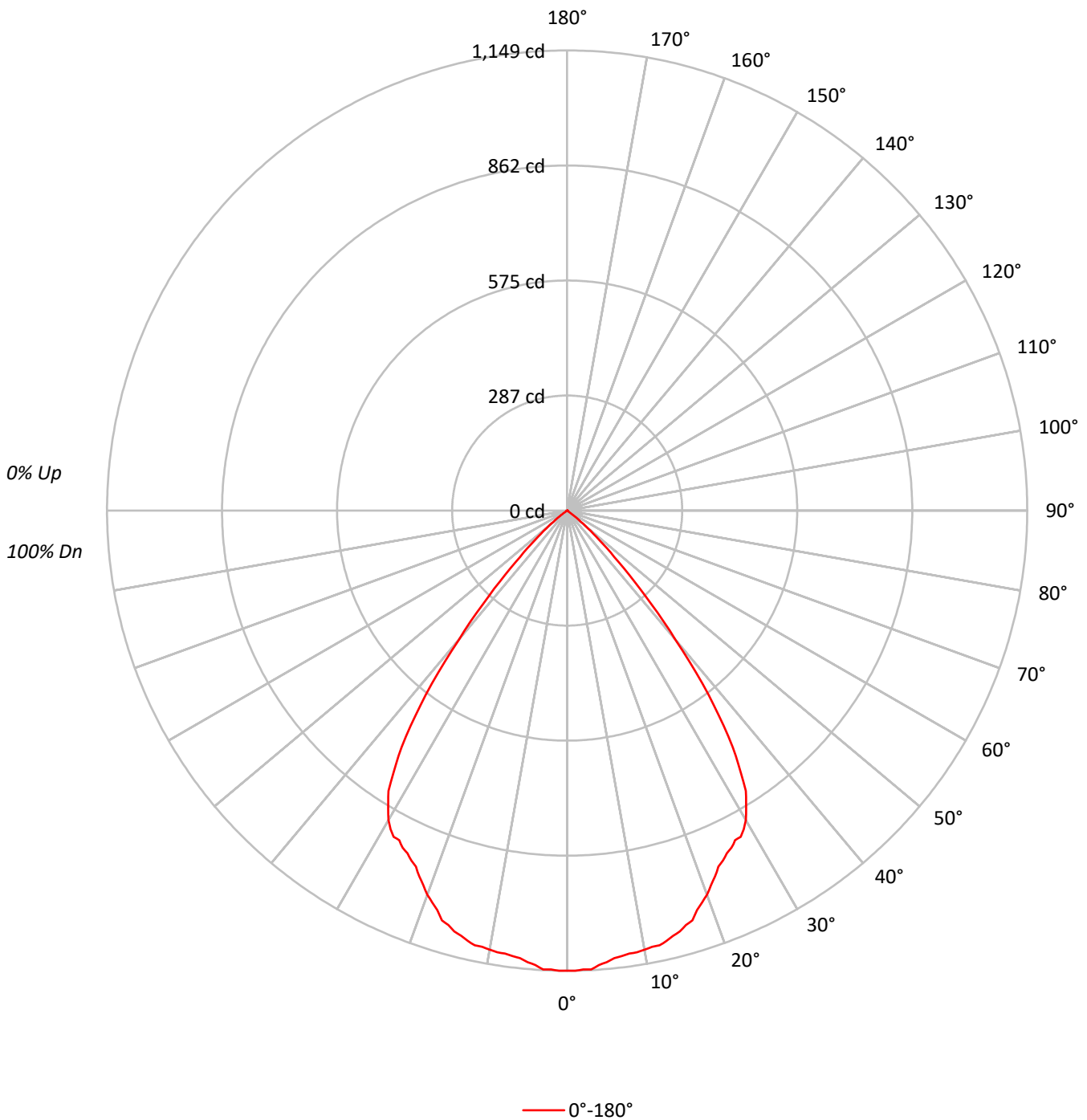
Lumens per Lamp: N/A  
Luminaire Lumens: 1450.7 lumens  
Efficiency: N/A  
Efficacy: 102.9 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.09  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P498022

CATALOG NUMBER: LDA2B158040R70D010 2LBD1MB

### 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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85				85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	82	80	78				78
4	95	87	81	77	93	86	81	76	84	79	75	82	78	74	80	76	74	72				72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66				66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61				61
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56				56
8	76	65	59	54	74	65	59	54	64	58	54	62	57	54	61	57	54	52				52
9	71	61	55	50	70	61	54	50	60	54	50	59	54	50	58	53	50	48				48
10	68	57	51	47	67	57	51	47	56	50	47	55	50	46	54	50	46	45				45

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

	0°
0°	566823
5°	560569
10°	557783
15°	555815
20°	535998
25°	513880
30°	508672
35°	434427
40°	271076
45°	125450
50°	45438
55°	3183
60°	1480
65°	1751
70°	1010
75°	1334
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.4	7.4
10°-20°	304.8	21.0
20°-30°	438.3	30.2
30°-40°	432.0	29.8
40°-50°	154.0	10.6
50°-60°	12.7	0.9
60°-70°	1.2	0.1
70°-80°	0.5	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°	850.4	58.6
0°-40°	1282.4	88.4
0°-60°	1449.0	99.9
0°-90°	1450.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1450.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1149	
5°	1132	107
15°	1088	305
25°	944	438
35°	721	432
45°	180	154
55°	4	13
65°	2	1
75°	1	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1148.9
1°	1148.9
2°	1146.7
3°	1147.4
4°	1137.8
5°	1131.9
6°	1123.8
7°	1120.8
8°	1117.1
9°	1116.4
10°	1113.4
11°	1109.7
12°	1109.7
13°	1103.0
14°	1094.2
15°	1088.2
16°	1076.4
17°	1069.8
18°	1049.0
19°	1035.0
20°	1020.9
21°	1002.4
22.5°	976.5
23°	966.2
24°	956.6
25°	944.0
26°	936.6
27°	924.0
28°	922.5
29°	909.2
30°	892.9
32.5°	830.1
35°	721.3
37.5°	580.0
40°	420.9
42.5°	287.8
45°	179.8
47.5°	107.3
50°	59.2
52.5°	22.2
55°	3.7
57.5°	2.2
60°	1.5
62.5°	1.5
65°	1.5



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)