

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: P491735

Luminaire Tested: **LDA2B058027R65D010 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: P491735
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: LDA2B058027R65D010 2LBD1MB
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

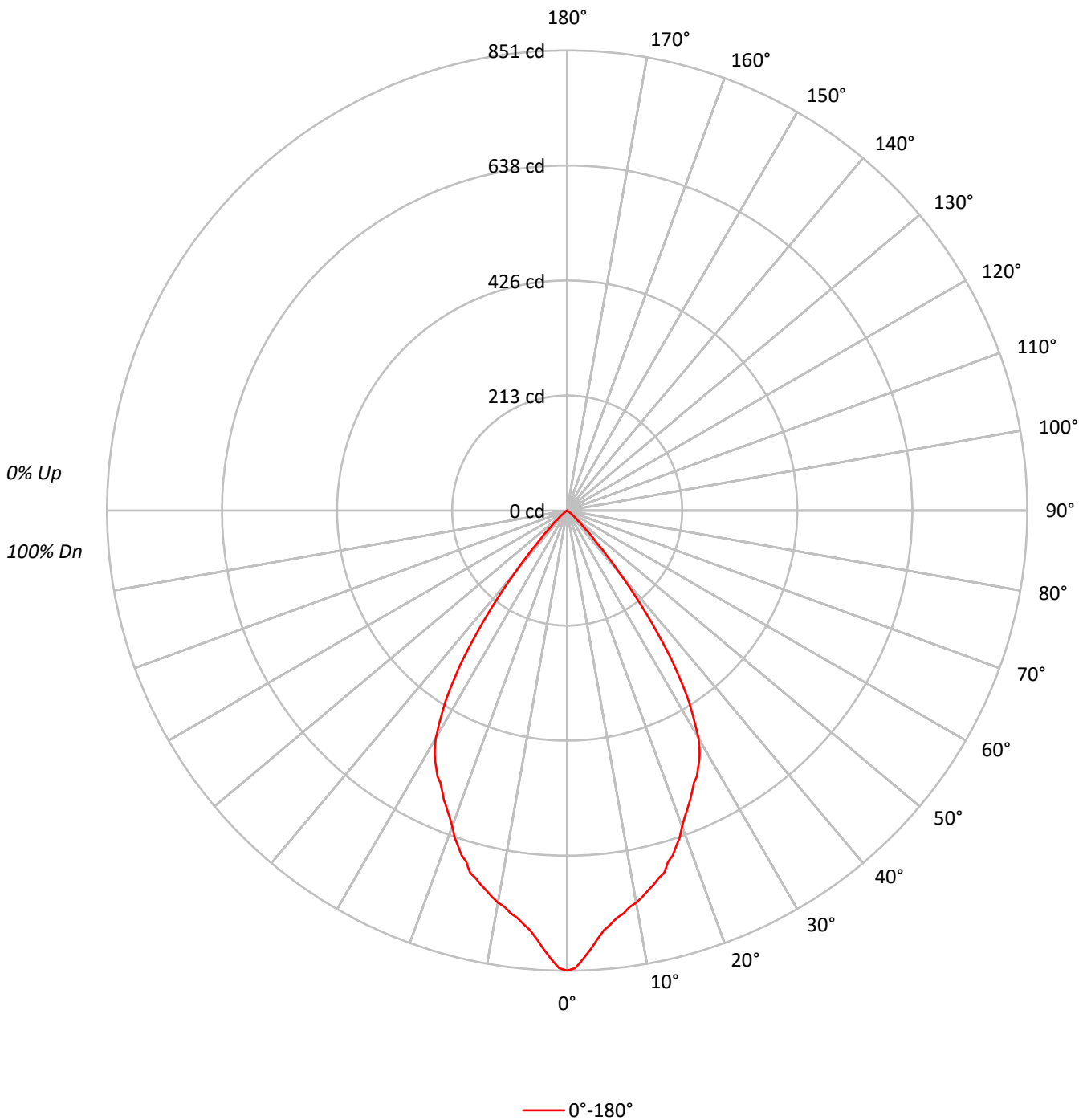
Lumens per Lamp: N/A
Luminaire Lumens: 772.5 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.95
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
Input Voltage (V): NR
Input Current (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	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	55	51		59	54	51		58	54	51	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	419703
5°	385995
10°	368866
15°	354267
20°	326303
25°	302177
30°	276867
35°	203331
40°	96284
45°	31676
50°	10285
55°	1290
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.2	9.5
10°-20°	192.9	25.0
20°-30°	255.9	33.1
30°-40°	202.4	26.2
40°-50°	44.2	5.7
50°-60°	3.3	0.4
60°-70°	0.4	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
0°-30°	522.0	67.6
0°-40°	724.4	93.8
0°-60°	771.9	99.9
0°-90°	772.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	772.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	851	
5°	779	73
15°	694	193
25°	555	256
35°	338	202
45°	45	44
55°	2	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	850.7
1°	846.2
2°	830.5
3°	813.4
4°	795.4
5°	779.4
6°	769.1
7°	758.8
8°	751.9
9°	741.6
10°	736.3
11°	727.9
12°	718.4
13°	710.0
14°	700.4
15°	693.6
16°	676.0
17°	667.2
18°	652.7
19°	639.4
20°	621.5
21°	607.0
22.5°	587.9
23°	582.5
24°	568.1
25°	555.1
26°	547.1
27°	533.7
28°	520.7
29°	505.1
30°	486.0
32.5°	419.6
35°	337.6
37.5°	240.7
40°	149.5
42.5°	84.3
45°	45.4
47.5°	24.4
50°	13.4
52.5°	5.7
55°	1.5
57.5°	0.8
60°	0.8
62.5°	0.4
65°	0.4



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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)