

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: P494470

Luminaire Tested: **LDA2B108027R35D010 2LBD1WMH**

Issue Date: 3/12/2021

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: P494470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B108027R35D010 2LBD1WMH
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

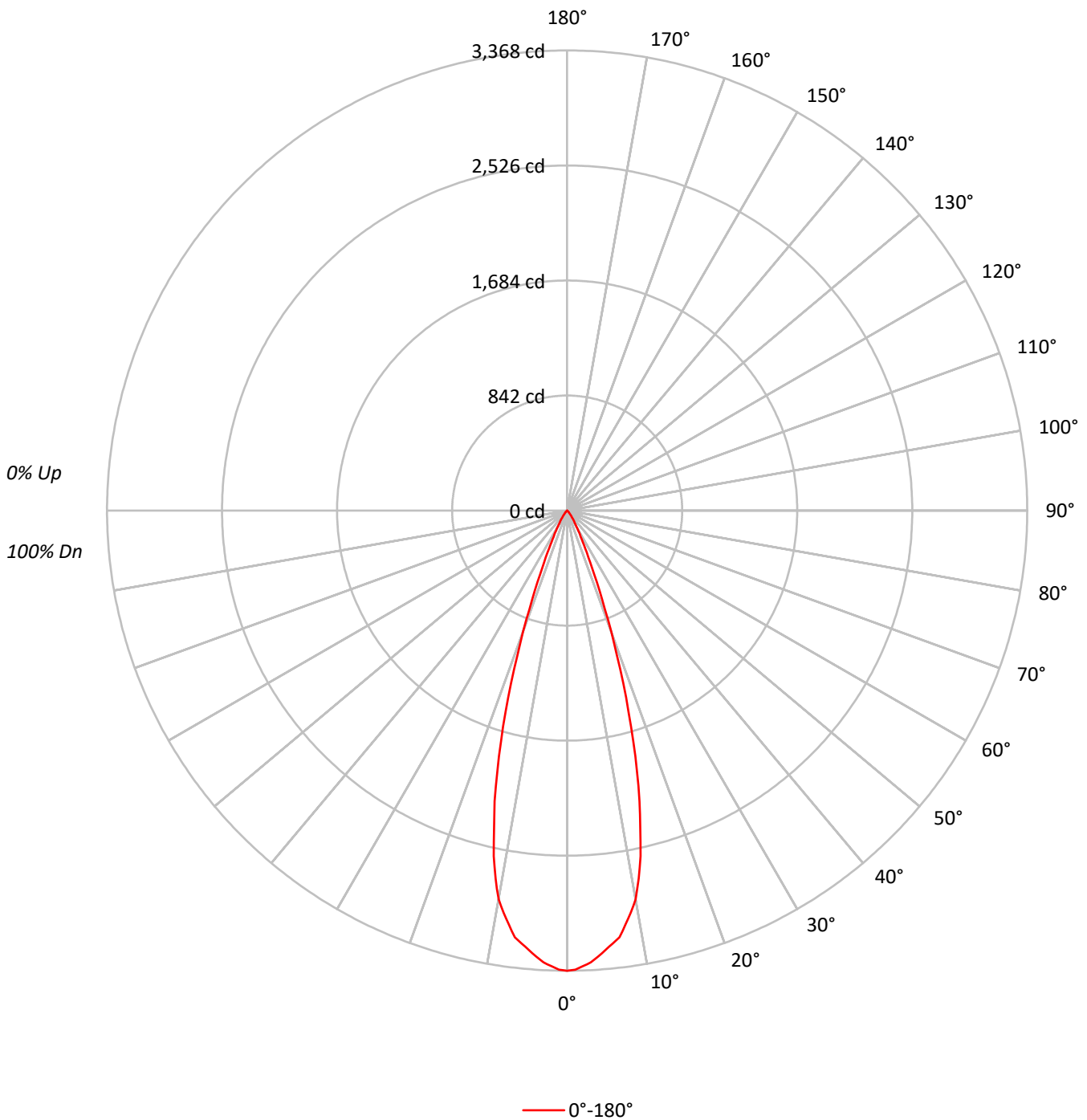
Lumens per Lamp: N/A
Luminaire Lumens: 1057.4 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.5
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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

TEST NUMBER: P494470

CATALOG NUMBER: LDA2B108027R35D010 2LBD1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P494470

CATALOG NUMBER: LDA2B108027R35D010 2LBD1WMH

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	115	113	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	101	109	106	103	100	102	100	98	100	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82	87	84	82	86	83	81	80
7	94	87	83	80	93	87	83	80	86	82	79	85	81	79	84	81	79	78
8	91	84	80	77	90	84	80	77	83	79	77	82	79	76	81	78	76	75
9	89	82	77	75	88	81	77	74	80	77	74	80	76	74	79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72	77	74	72	77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1661840
5°	1598606
10°	1447811
15°	1007792
20°	493891
25°	184213
30°	80895
35°	39329
40°	18033
45°	9768
50°	4759
55°	1376
60°	493
65°	584
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P494470

CATALOG NUMBER: LDA2B108027R35D010 2LBD1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.2	28.2
10°-20°	522.8	49.4
20°-30°	178.2	16.8
30°-40°	44.3	4.2
40°-50°	11.4	1.1
50°-60°	2.1	0.2
60°-70°	0.4	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°	999.2	94.5
0°-40°	1043.5	98.7
0°-60°	1057.0	100.0
0°-90°	1057.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1057.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3368	
5°	3228	298
15°	1973	523
25°	338	178
35°	65	44
45°	14	11
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P494470

CATALOG NUMBER: LDA2B108027R35D010 2LBD1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	3368.4
1°	3361.6
2°	3335.7
3°	3310.9
4°	3270.9
5°	3227.9
6°	3185.9
7°	3146.6
8°	3061.6
9°	2979.1
10°	2890.0
11°	2743.8
12°	2585.2
13°	2381.0
14°	2191.9
15°	1973.1
16°	1759.6
17°	1537.3
18°	1329.4
19°	1119.0
20°	940.7
21°	770.7
22.5°	565.5
23°	507.9
24°	414.6
25°	338.4
26°	279.9
27°	233.7
28°	197.0
29°	166.4
30°	142.0
32.5°	96.4
35°	65.3
37.5°	44.1
40°	28.0
42.5°	19.2
45°	14.0
47.5°	9.8
50°	6.2
52.5°	3.6
55°	1.6
57.5°	1.0
60°	0.5
62.5°	0.5
65°	0.5



TEST NUMBER: P494470

CATALOG NUMBER: LDA2B108027R35D010 2LBD1WMH

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.5
70°	0.0
72.5°	0.0
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)