

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: P500617

Luminaire Tested: **LDA2B208035R70D010 2LBD1WH**

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: P500617
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: LDA2B208035R70D010 2LBD1WH
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

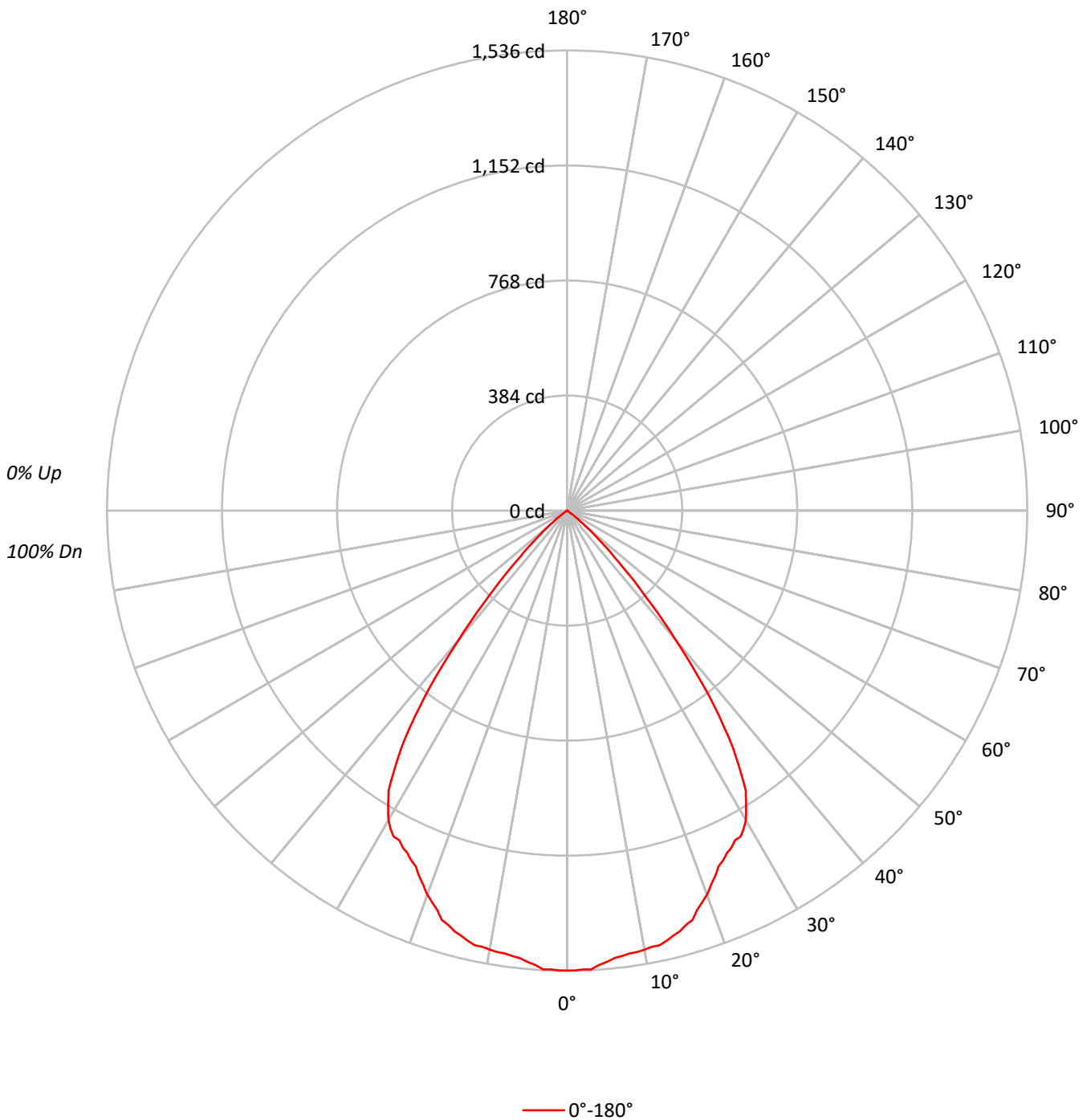
Lumens per Lamp: N/A
Luminaire Lumens: 1939.0 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.09
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 20.6
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: P500617

CATALOG NUMBER: LDA2B208035R70D010 2LBD1WH

Luminous Intensity Polar Plot





TEST NUMBER: P500617

CATALOG NUMBER: LDA2B208035R70D010 2LBD1WH

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	757606
5°	749209
10°	745497
15°	742909
20°	716396
25°	686825
30°	679919
35°	580662
40°	362336
45°	167662
50°	60712
55°	4215
60°	1973
65°	2335
70°	1442
75°	1906
80°	0
85°	0



TEST NUMBER: P500617

CATALOG NUMBER: LDA2B208035R70D010 2LBD1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.5	7.4
10°-20°	407.4	21.0
20°-30°	585.8	30.2
30°-40°	577.4	29.8
40°-50°	205.8	10.6
50°-60°	16.9	0.9
60°-70°	1.6	0.1
70°-80°	0.7	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°	1136.6	58.6
0°-40°	1714.0	88.4
0°-60°	1936.7	99.9
0°-90°	1939.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1939.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1536	
5°	1513	144
15°	1454	407
25°	1262	586
35°	964	577
45°	240	206
55°	5	17
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P500617

CATALOG NUMBER: LDA2B208035R70D010 2LBD1WH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1535.6
1°	1535.6
2°	1532.6
3°	1533.6
4°	1520.7
5°	1512.8
6°	1502.0
7°	1498.0
8°	1493.1
9°	1492.1
10°	1488.1
11°	1483.2
12°	1483.2
13°	1474.3
14°	1462.4
15°	1454.5
16°	1438.7
17°	1429.8
18°	1402.1
19°	1383.3
20°	1364.5
21°	1339.8
22.5°	1305.2
23°	1291.3
24°	1278.5
25°	1261.7
26°	1251.8
27°	1235.0
28°	1233.0
29°	1215.2
30°	1193.5
32.5°	1109.4
35°	964.1
37.5°	775.2
40°	562.6
42.5°	384.6
45°	240.3
47.5°	143.4
50°	79.1
52.5°	29.7
55°	4.9
57.5°	3.0
60°	2.0
62.5°	2.0
65°	2.0



TEST NUMBER: P500617

CATALOG NUMBER: LDA2B208035R70D010 2LBD1WH

CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)