

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: P500591

Luminaire Tested: **LDA2B208035R65D010 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: P500591
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: LDA2B208035R65D010 2LBD1MB
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

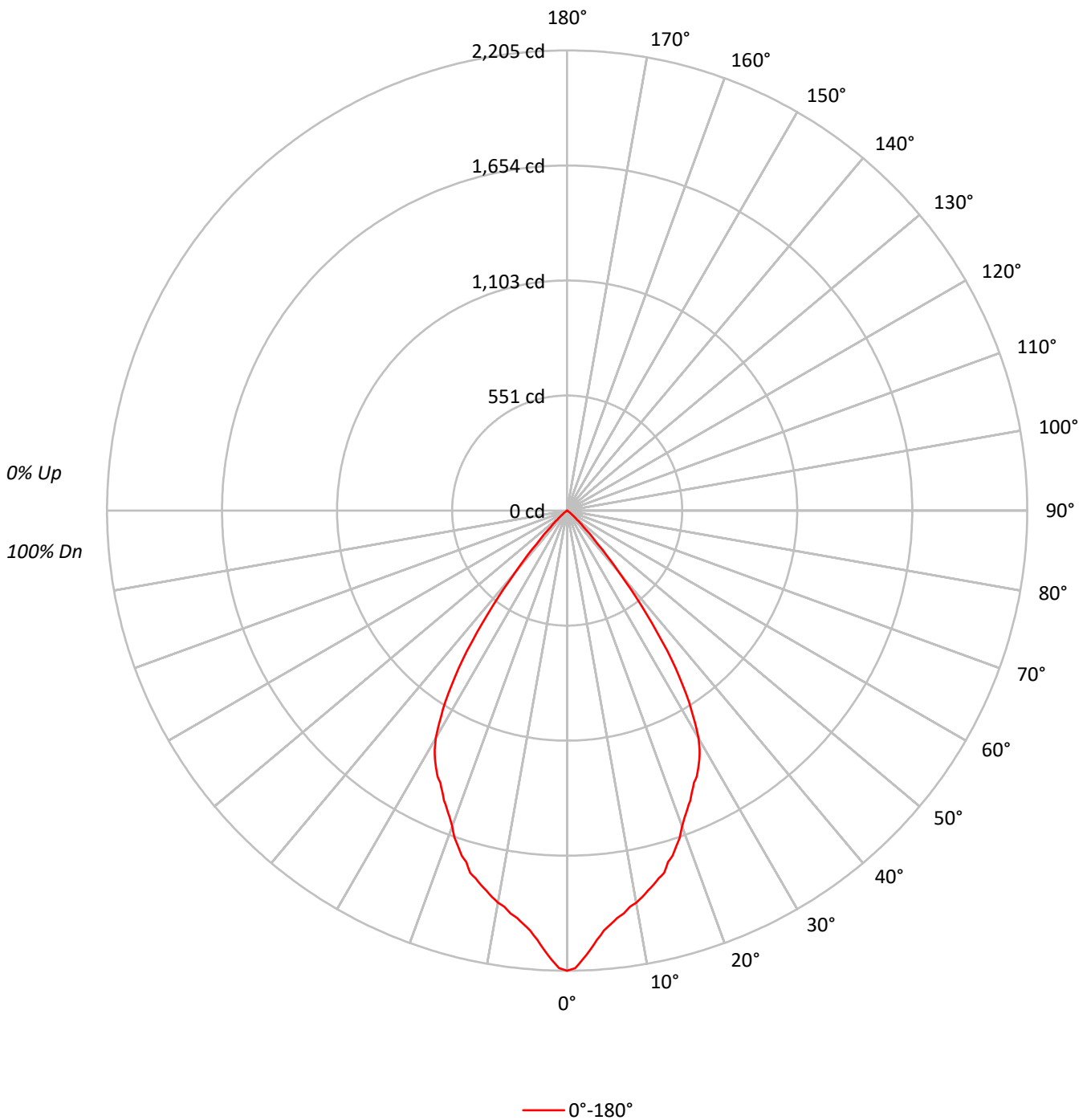
Lumens per Lamp: N/A
Luminaire Lumens: 2002.2 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.95
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P500591

CATALOG NUMBER: LDA2B208035R65D010 2LBD1MB

Luminous Intensity Polar Plot





TEST NUMBER: P500591

CATALOG NUMBER: LDA2B208035R65D010 2LBD1MB

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°	1087863
5°	1000447
10°	956006
15°	918152
20°	845657
25°	783177
30°	717632
35°	527058
40°	249629
45°	82122
50°	26557
55°	3441
60°	1973
65°	1167
70°	1442
75°	0
80°	0
85°	0



TEST NUMBER: P500591

CATALOG NUMBER: LDA2B208035R65D010 2LBD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.8	9.5
10°-20°	499.9	25.0
20°-30°	663.1	33.1
30°-40°	524.7	26.2
40°-50°	114.7	5.7
50°-60°	8.5	0.4
60°-70°	1.1	0.1
70°-80°	0.4	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°	1352.9	67.6
0°-40°	1877.5	93.8
0°-60°	2000.7	99.9
0°-90°	2002.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2002.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2205	
5°	2020	190
15°	1798	500
25°	1439	663
35°	875	525
45°	118	115
55°	4	9
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P500591

CATALOG NUMBER: LDA2B208035R65D010 2LBD1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	2205.0
1°	2193.1
2°	2152.6
3°	2108.1
4°	2061.6
5°	2020.1
6°	1993.4
7°	1966.7
8°	1948.9
9°	1922.2
10°	1908.3
11°	1886.6
12°	1861.9
13°	1840.1
14°	1815.4
15°	1797.6
16°	1752.1
17°	1729.4
18°	1691.8
19°	1657.2
20°	1610.7
21°	1573.1
22.5°	1523.7
23°	1509.9
24°	1472.3
25°	1438.7
26°	1417.9
27°	1383.3
28°	1349.7
29°	1309.1
30°	1259.7
32.5°	1087.7
35°	875.1
37.5°	623.9
40°	387.6
42.5°	218.5
45°	117.7
47.5°	63.3
50°	34.6
52.5°	14.8
55°	4.0
57.5°	2.0
60°	2.0
62.5°	1.0
65°	1.0



TEST NUMBER: P500591

CATALOG NUMBER: LDA2B208035R65D010 2LBD1MB

CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.0
70°	1.0
72.5°	1.0
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)