

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: P498231

Luminaire Tested: **LDA2B158050R65D010 2LBDLC1MB**

Issue Date: 3/9/2021

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: P498231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-68)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B158050R65D010 2LBDLC1MB
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

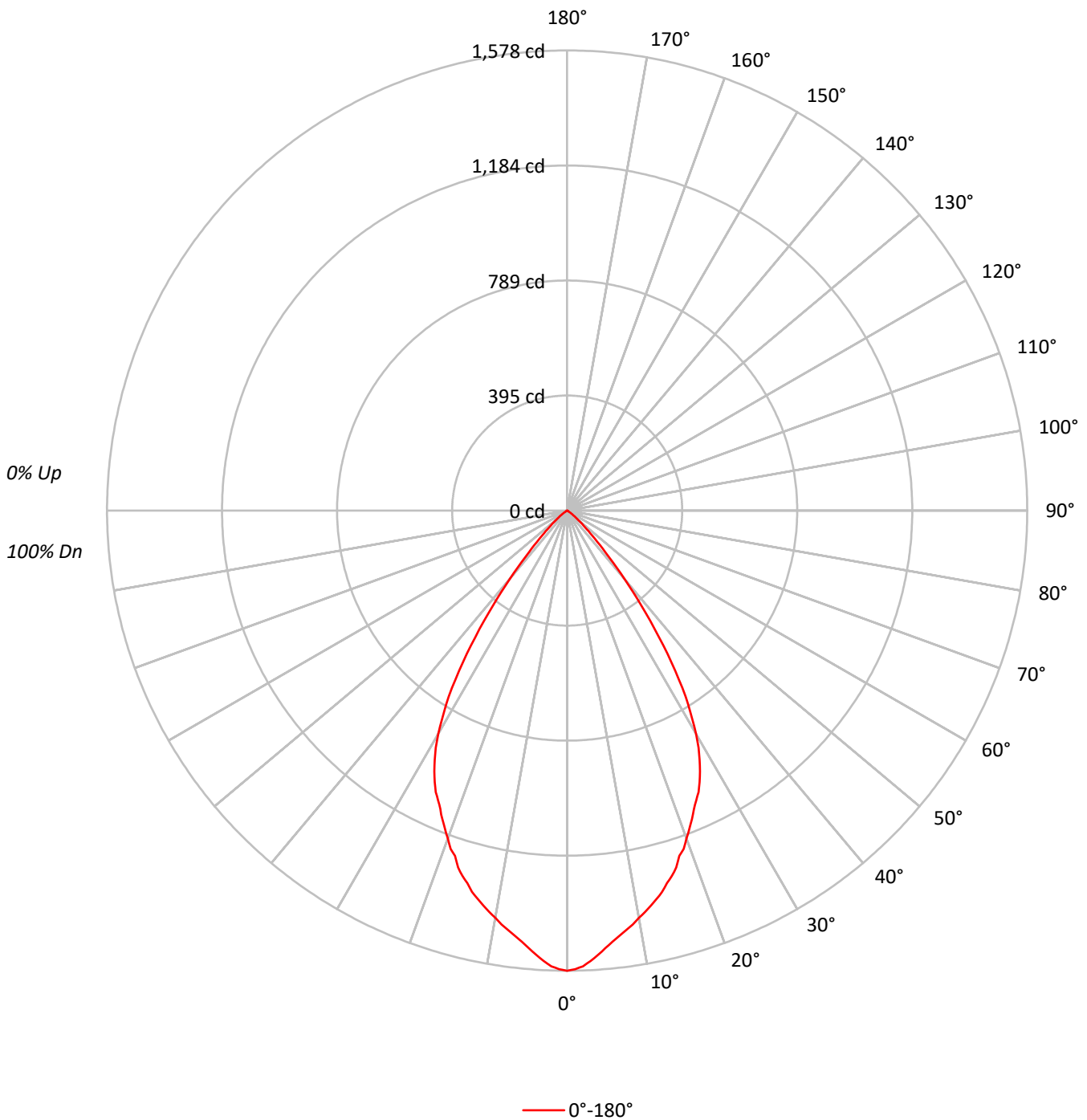
Lumens per Lamp: N/A
Luminaire Lumens: 1488.3 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.94
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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: P498231

CATALOG NUMBER: LDA2B158050R65D010 2LBDLC1MB

Luminous Intensity Polar Plot





TEST NUMBER: P498231

CATALOG NUMBER: LDA2B158050R65D010 2LBDLC1MB

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	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92		95	92	90		92	90	88	87
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87	84	82	80
4	97	89	83	79	95	88	83	79	86	81	78		84	80	77		82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72		79	74	71		77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66		74	69	66		73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62		70	65	61		68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58		66	61	57		65	60	57	56
9	74	64	58	54	73	64	58	54	63	57	54		62	57	54		61	57	53	52
10	71	61	55	51	70	60	54	51	59	54	50		59	54	50		58	53	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	778624
5°	746138
10°	710580
15°	675334
20°	628244
25°	579966
30°	503203
35°	361069
40°	196110
45°	83796
50°	35997
55°	12988
60°	2368
65°	1868
70°	1154
75°	0
80°	0
85°	0



TEST NUMBER: P498231

CATALOG NUMBER: LDA2B158050R65D010 2LBDLC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.0	9.5
10°-20°	370.4	24.9
20°-30°	484.2	32.5
30°-40°	368.4	24.8
40°-50°	106.5	7.2
50°-60°	16.0	1.1
60°-70°	1.4	0.1
70°-80°	0.3	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°	995.6	66.9
0°-40°	1364.0	91.7
0°-60°	1486.6	99.9
0°-90°	1488.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1488.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1578	
5°	1507	141
15°	1322	370
25°	1065	484
35°	600	368
45°	120	106
55°	15	16
65°	2	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P498231

CATALOG NUMBER: LDA2B158050R65D010 2LBDLC1MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	1578.2
1°	1572.6
2°	1563.9
3°	1546.4
4°	1527.3
5°	1506.6
6°	1486.8
7°	1469.3
8°	1452.6
9°	1437.5
10°	1418.4
11°	1401.7
12°	1384.2
13°	1366.7
14°	1347.6
15°	1322.2
16°	1303.1
17°	1280.0
18°	1245.1
19°	1226.8
20°	1196.6
21°	1169.5
22.5°	1128.2
23°	1112.3
24°	1087.6
25°	1065.4
26°	1036.0
27°	1003.4
28°	967.6
29°	929.4
30°	883.3
32.5°	756.9
35°	599.5
37.5°	442.1
40°	304.5
42.5°	193.2
45°	120.1
47.5°	74.7
50°	46.9
52.5°	27.8
55°	15.1
57.5°	5.6
60°	2.4
62.5°	1.6
65°	1.6



TEST NUMBER: P498231

CATALOG NUMBER: LDA2B158050R65D010 2LBDLC1MB

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.8
70°	0.8
72.5°	0.8
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)