

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: P498003

Luminaire Tested: **LDA2B158040R65D010 2LBD1WHH**

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: P498003
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: LDA2B158040R65D010 2LBD1WHH
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

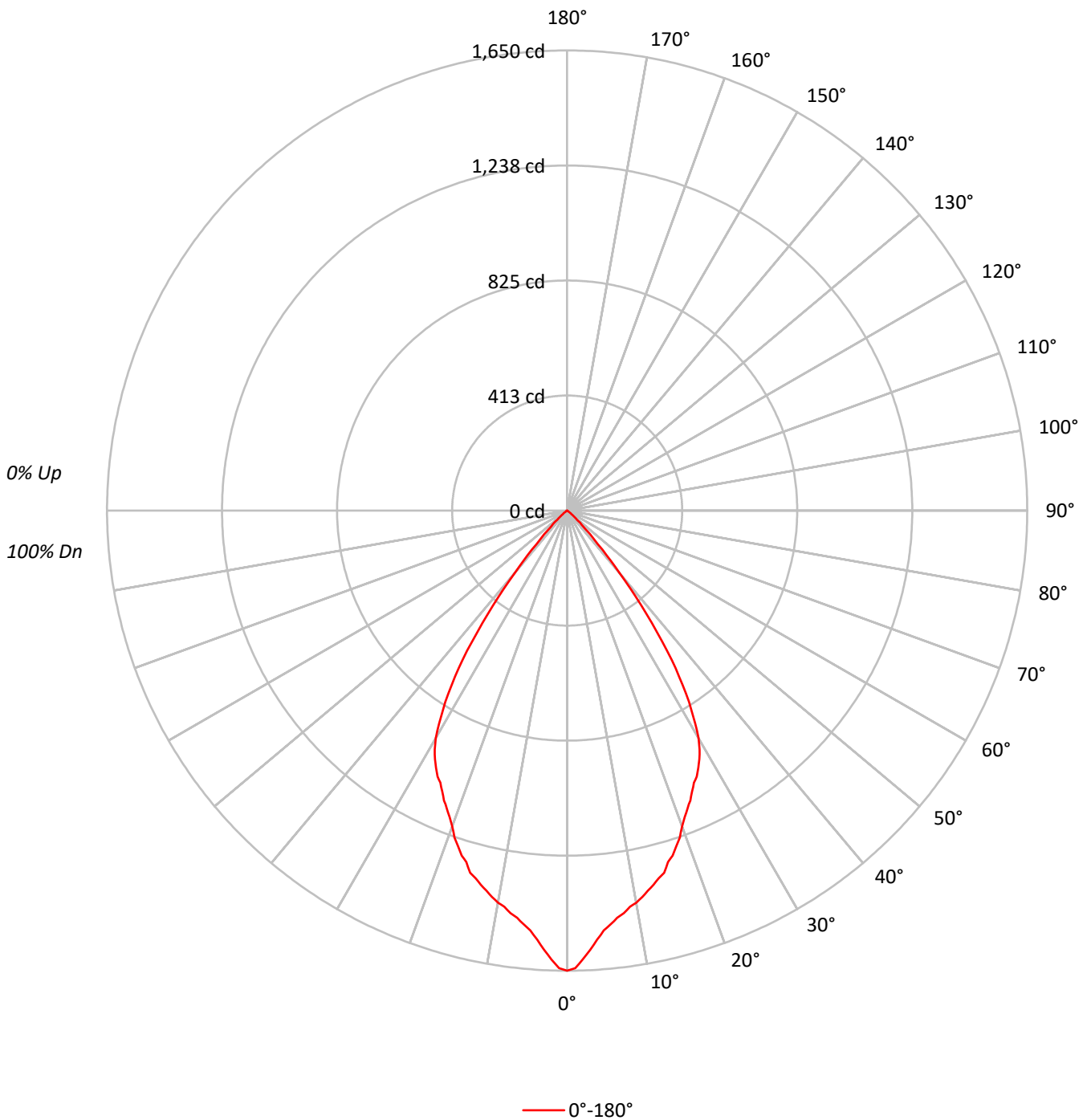
Lumens per Lamp: N/A
Luminaire Lumens: 1497.9 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.95
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P498003

CATALOG NUMBER: LDA2B158040R65D010 2LBD1WHH

Luminous Intensity Polar Plot





TEST NUMBER: P498003

CATALOG NUMBER: LDA2B158040R65D010 2LBD1WHH

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°	813948
5°	748515
10°	715289
15°	686980
20°	632707
25°	585954
30°	536928
35°	394315
40°	186771
45°	61399
50°	19879
55°	2580
60°	1480
65°	817
70°	1010
75°	0
80°	0
85°	0



TEST NUMBER: P498003

CATALOG NUMBER: LDA2B158040R65D010 2LBD1WHH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.0	9.5
10°-20°	374.0	25.0
20°-30°	496.2	33.1
30°-40°	392.5	26.2
40°-50°	85.8	5.7
50°-60°	6.4	0.4
60°-70°	0.8	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°	1012.2	67.6
0°-40°	1404.7	93.8
0°-60°	1496.9	99.9
0°-90°	1497.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1497.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1650	
5°	1511	142
15°	1345	374
25°	1076	496
35°	655	393
45°	88	86
55°	3	6
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P498003

CATALOG NUMBER: LDA2B158040R65D010 2LBD1WHH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1649.8
1°	1640.9
2°	1610.5
3°	1577.3
4°	1542.5
5°	1511.4
6°	1491.4
7°	1471.5
8°	1458.1
9°	1438.2
10°	1427.8
11°	1411.5
12°	1393.0
13°	1376.8
14°	1358.3
15°	1345.0
16°	1310.9
17°	1293.9
18°	1265.8
19°	1239.9
20°	1205.1
21°	1177.0
22.5°	1140.0
23°	1129.7
24°	1101.6
25°	1076.4
26°	1060.9
27°	1035.0
28°	1009.8
29°	979.5
30°	942.5
32.5°	813.8
35°	654.7
37.5°	466.8
40°	290.0
42.5°	163.5
45°	88.0
47.5°	47.3
50°	25.9
52.5°	11.1
55°	3.0
57.5°	1.5
60°	1.5
62.5°	0.7
65°	0.7



TEST NUMBER: P498003

CATALOG NUMBER: LDA2B158040R65D010 2LBD1WHH

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.7
70°	0.7
72.5°	0.7
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)