

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: P497351

Luminaire Tested: **LDA2B158027R65D010 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: P497351
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: LDA2B158027R65D010 2LBD1MB
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

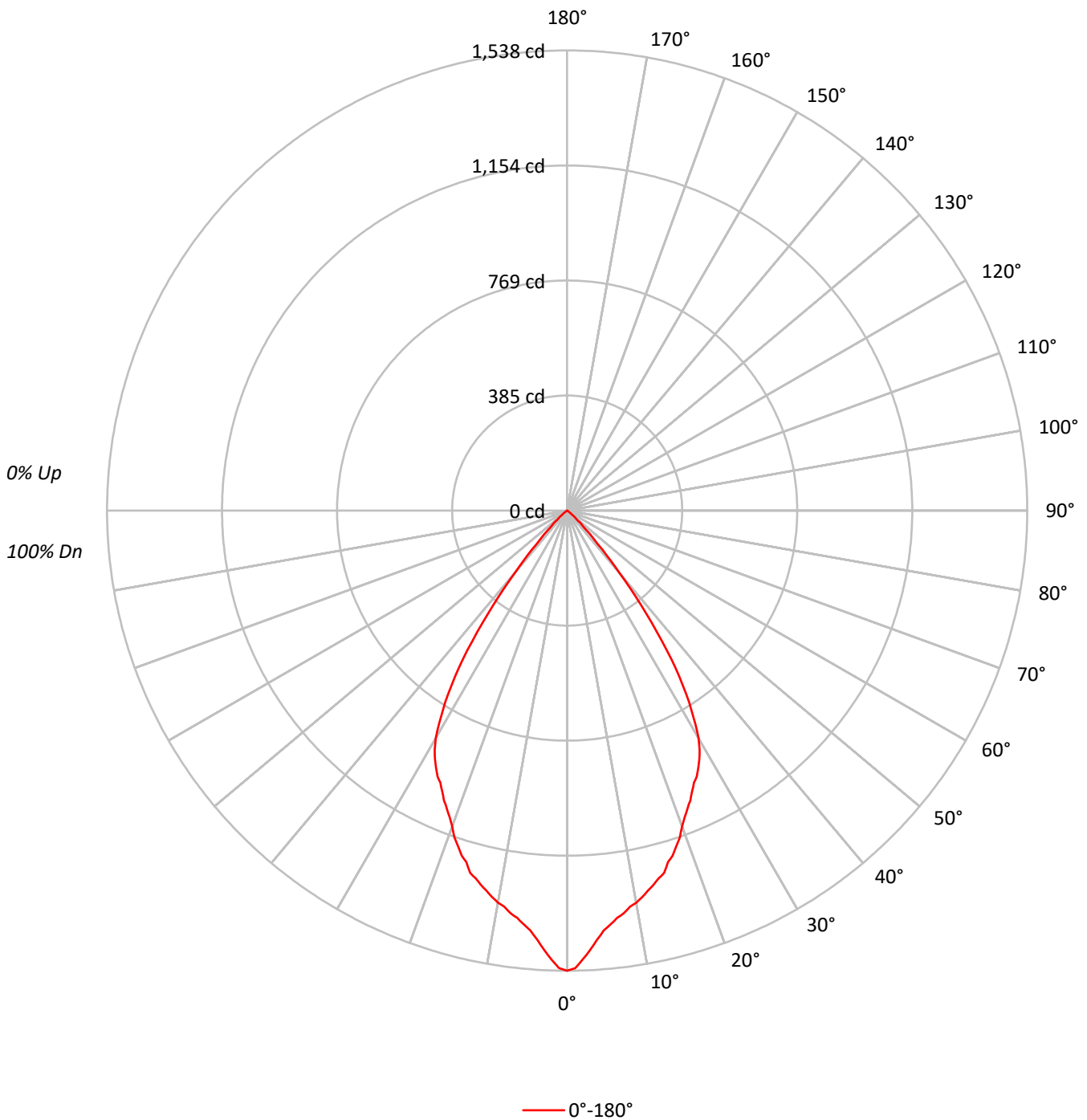
Lumens per Lamp: N/A
Luminaire Lumens: 1396.4 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.95
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): 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: P497351

CATALOG NUMBER: LDA2B158027R65D010 2LBD1MB

Luminous Intensity Polar Plot





TEST NUMBER: P497351

CATALOG NUMBER: LDA2B158027R65D010 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°	758741
5°	697753
10°	666795
15°	640398
20°	589813
25°	546215
30°	500525
35°	367574
40°	174083
45°	57283
50°	18498
55°	2408
60°	1381
65°	817
70°	1010
75°	0
80°	0
85°	0



TEST NUMBER: P497351

CATALOG NUMBER: LDA2B158027R65D010 2LBD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.4	9.5
10°-20°	348.7	25.0
20°-30°	462.5	33.1
30°-40°	365.9	26.2
40°-50°	80.0	5.7
50°-60°	5.9	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°	943.6	67.6
0°-40°	1309.5	93.8
0°-60°	1395.4	99.9
0°-90°	1396.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1396.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1538	
5°	1409	132
15°	1254	349
25°	1003	463
35°	610	366
45°	82	80
55°	3	6
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P497351

CATALOG NUMBER: LDA2B158027R65D010 2LBD1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	1537.9
1°	1529.6
2°	1501.3
3°	1470.3
4°	1437.9
5°	1408.9
6°	1390.3
7°	1371.7
8°	1359.3
9°	1340.6
10°	1331.0
11°	1315.8
12°	1298.6
13°	1283.4
14°	1266.2
15°	1253.8
16°	1222.0
17°	1206.2
18°	1180.0
19°	1155.8
20°	1123.4
21°	1097.2
22.5°	1062.7
23°	1053.1
24°	1026.9
25°	1003.4
26°	988.9
27°	964.8
28°	941.4
29°	913.1
30°	878.6
32.5°	758.6
35°	610.3
37.5°	435.2
40°	270.3
42.5°	152.4
45°	82.1
47.5°	44.1
50°	24.1
52.5°	10.3
55°	2.8
57.5°	1.4
60°	1.4
62.5°	0.7
65°	0.7



TEST NUMBER: P497351

CATALOG NUMBER: LDA2B158027R65D010 2LBD1MB

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)