

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: P499745

Luminaire Tested: **LDA2B159727R65D010 2LBDLC1MW**

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: P499745
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: LDA2B159727R65D010 2LBDLC1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

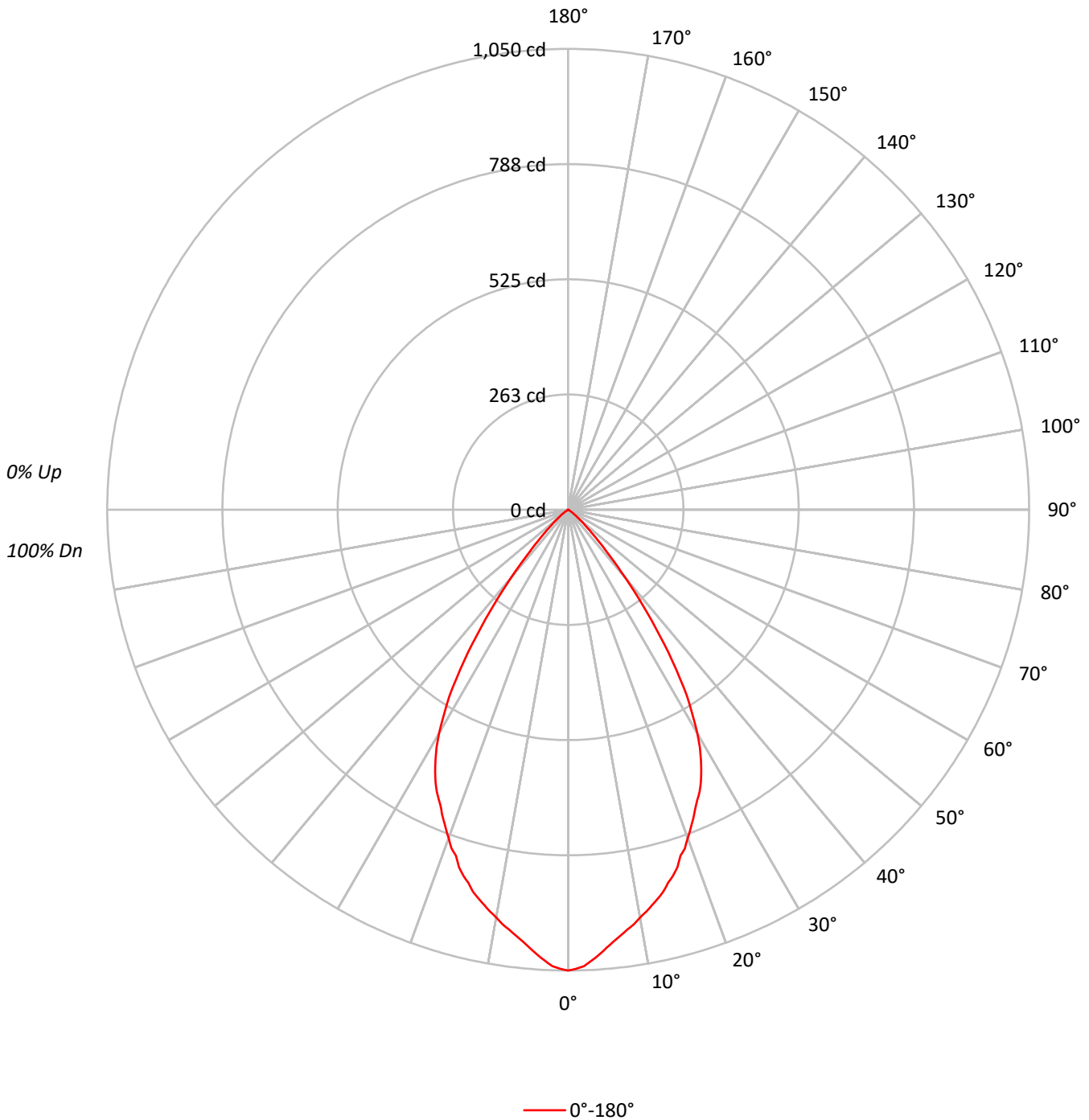
Lumens per Lamp: N/A
Luminaire Lumens: 990.1 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.94
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P499745

CATALOG NUMBER: LDA2B159727R65D010 2LBDLC1MW

Luminous Intensity Polar Plot





TEST NUMBER: P499745

CATALOG NUMBER: LDA2B159727R65D010 2LBDLC1MW

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	58	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°	518030
5°	496435
10°	472768
15°	449321
20°	417972
25°	385846
30°	334804
35°	240191
40°	130482
45°	55748
50°	23947
55°	8688
60°	1579
65°	1284
70°	721
75°	0
80°	0
85°	0



TEST NUMBER: P499745

CATALOG NUMBER: LDA2B159727R65D010 2LBDLC1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	9.5
10°-20°	246.4	24.9
20°-30°	322.2	32.5
30°-40°	245.1	24.8
40°-50°	70.8	7.2
50°-60°	10.7	1.1
60°-70°	0.9	0.1
70°-80°	0.2	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°	662.4	66.9
0°-40°	907.5	91.7
0°-60°	989.0	99.9
0°-90°	990.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	990.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1050	
5°	1002	94
15°	880	246
25°	709	322
35°	399	245
45°	80	71
55°	10	11
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P499745

CATALOG NUMBER: LDA2B159727R65D010 2LBDLC1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1050.0
1°	1046.3
2°	1040.5
3°	1028.8
4°	1016.1
5°	1002.4
6°	989.2
7°	977.5
8°	966.4
9°	956.4
10°	943.7
11°	932.6
12°	920.9
13°	909.3
14°	896.6
15°	879.7
16°	867.0
17°	851.6
18°	828.4
19°	816.2
20°	796.1
21°	778.1
22.5°	750.6
23°	740.0
24°	723.6
25°	708.8
26°	689.2
27°	667.6
28°	643.8
29°	618.4
30°	587.7
32.5°	503.6
35°	398.8
37.5°	294.1
40°	202.6
42.5°	128.5
45°	79.9
47.5°	49.7
50°	31.2
52.5°	18.5
55°	10.1
57.5°	3.7
60°	1.6
62.5°	1.1
65°	1.1



TEST NUMBER: P499745

CATALOG NUMBER: LDA2B159727R65D010 2LBDLC1MW

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.5
70°	0.5
72.5°	0.5
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)