

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: P499722

Luminaire Tested: **LDA2B159727R60D010 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: P499722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-55)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B159727R60D010 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

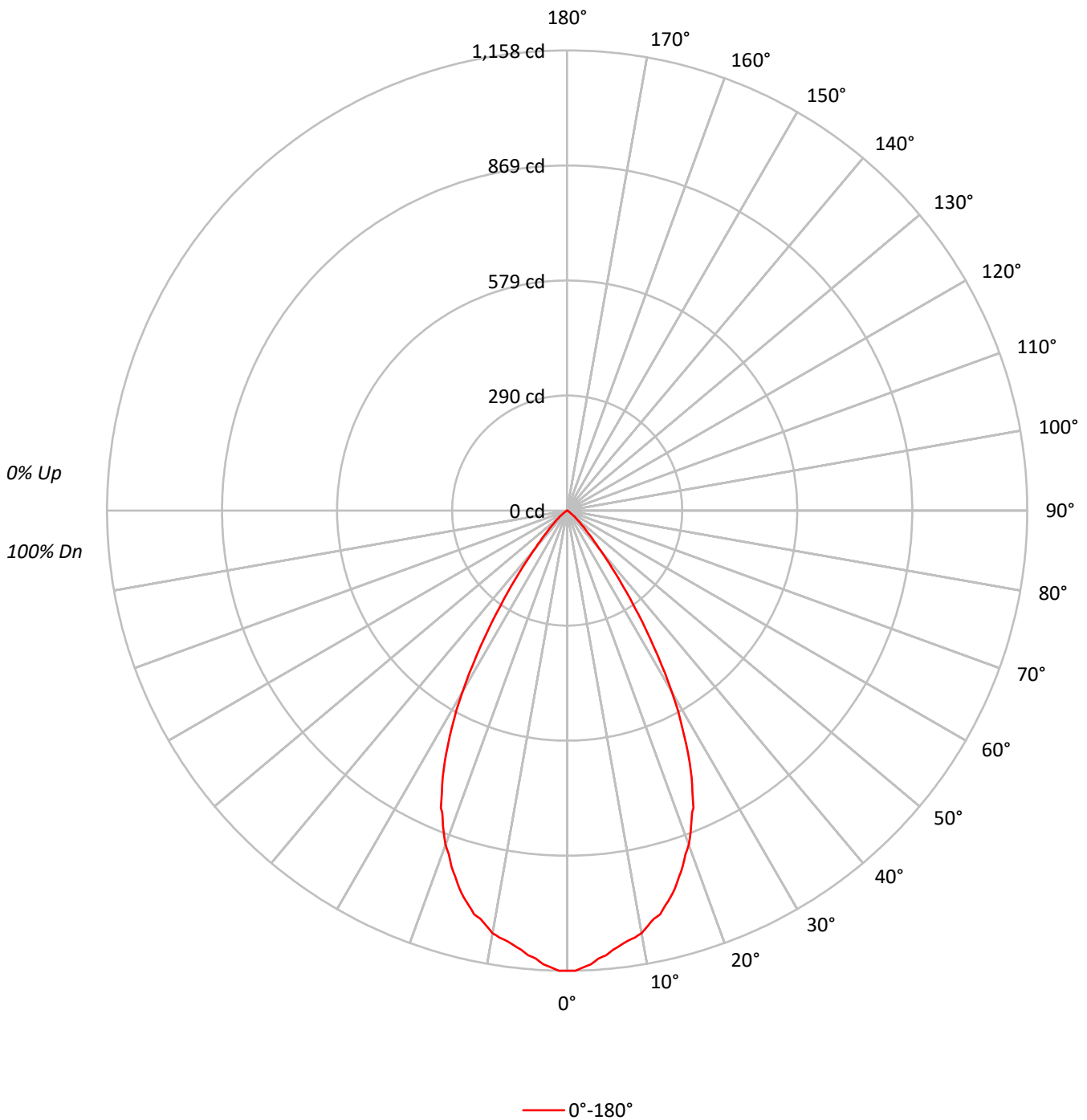
Lumens per Lamp: N/A
Luminaire Lumens: 965.1 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P499722

CATALOG NUMBER: LDA2B159727R60D010 2LBDLC1MW

Luminous Intensity Polar Plot





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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	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80		85	82	79		83	80	78	76
5	93	85	79	75	91	84	79	75	82	78	74		81	77	73		79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	68	67
7	84	75	69	65	83	74	69	65	73	68	65		72	68	64		71	67	64	63
8	80	71	65	61	79	70	65	61	69	64	61		68	64	60		67	63	60	59
9	76	67	61	57	75	67	61	57	66	61	57		65	60	57		64	60	57	55
10	73	63	58	54	72	63	58	54	62	57	54		61	57	54		61	57	54	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	571165
5°	556310
10°	540950
15°	514188
20°	469792
25°	403429
30°	300167
35°	176228
40°	83983
45°	39212
50°	19495
55°	6881
60°	1579
65°	1284
70°	721
75°	953
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.7	11.0
10°-20°	280.1	29.0
20°-30°	332.6	34.5
30°-40°	187.7	19.4
40°-50°	48.8	5.1
50°-60°	8.9	0.9
60°-70°	0.9	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°	718.4	74.4
0°-40°	906.1	93.9
0°-60°	963.8	99.9
0°-90°	965.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	965.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1158	
5°	1123	106
15°	1007	280
25°	741	333
35°	293	188
45°	56	49
55°	8	9
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1157.7
1°	1158.3
2°	1150.3
3°	1143.4
4°	1130.2
5°	1123.3
6°	1111.1
7°	1102.1
8°	1093.6
9°	1087.8
10°	1079.8
11°	1064.5
12°	1050.1
13°	1042.2
14°	1023.6
15°	1006.7
16°	987.1
17°	963.7
18°	941.5
19°	915.0
20°	894.8
21°	867.3
22.5°	821.7
23°	813.7
24°	775.0
25°	741.1
26°	703.4
27°	660.0
28°	617.0
29°	575.2
30°	526.9
32.5°	405.5
35°	292.6
37.5°	199.8
40°	130.4
42.5°	85.3
45°	56.2
47.5°	38.2
50°	25.4
52.5°	15.9
55°	8.0
57.5°	3.2
60°	1.6
62.5°	1.1
65°	1.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.5
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)