

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: P499305

Luminaire Tested: **LDA2B159040R65D010 2LBDL1MB**

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: P499305
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: LDA2B159040R65D010 2LBDL1MB
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

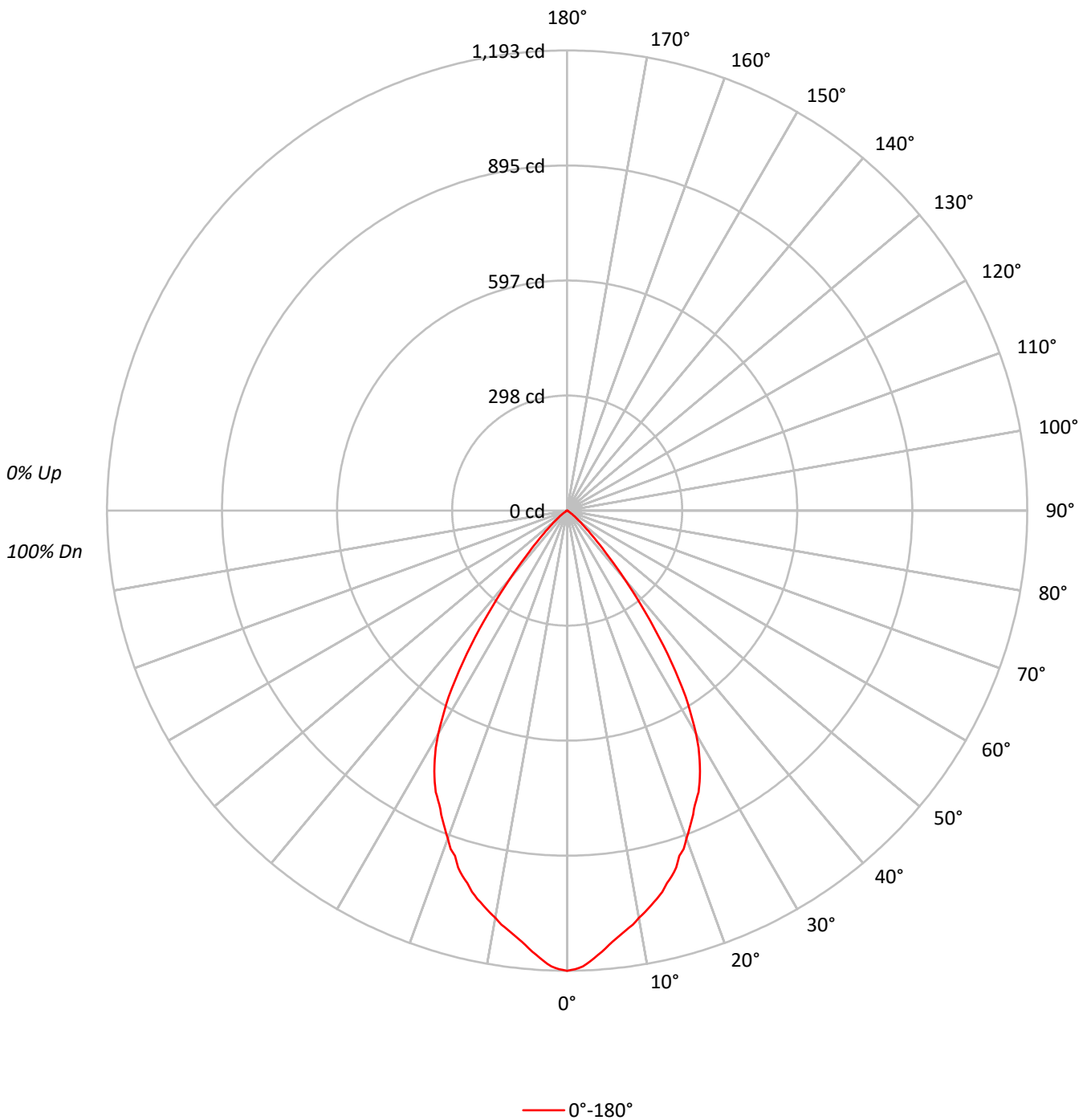
Lumens per Lamp: N/A
Luminaire Lumens: 1125.2 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.94
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P499305

CATALOG NUMBER: LDA2B159040R65D010 2LBDL1MB

Luminous Intensity Polar Plot





TEST NUMBER: P499305

CATALOG NUMBER: LDA2B159040R65D010 2LBDL1MB

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°	588729
5°	564185
10°	537243
15°	510612
20°	474990
25°	438486
30°	380493
35°	273015
40°	148258
45°	63353
50°	27247
55°	9806
60°	1776
65°	1401
70°	865
75°	0
80°	0
85°	0



TEST NUMBER: P499305

CATALOG NUMBER: LDA2B159040R65D010 2LBDL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.6	9.5
10°-20°	280.0	24.9
20°-30°	366.1	32.5
30°-40°	278.5	24.8
40°-50°	80.5	7.2
50°-60°	12.1	1.1
60°-70°	1.0	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°	752.8	66.9
0°-40°	1031.3	91.7
0°-60°	1124.0	99.9
0°-90°	1125.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1125.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1193	
5°	1139	107
15°	1000	280
25°	806	366
35°	453	279
45°	91	81
55°	11	12
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P499305

CATALOG NUMBER: LDA2B159040R65D010 2LBDL1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	1193.3
1°	1189.1
2°	1182.5
3°	1169.2
4°	1154.8
5°	1139.2
6°	1124.1
7°	1110.9
8°	1098.3
9°	1086.9
10°	1072.4
11°	1059.8
12°	1046.6
13°	1033.4
14°	1018.9
15°	999.7
16°	985.3
17°	967.8
18°	941.4
19°	927.6
20°	904.7
21°	884.3
22.5°	853.0
23°	841.0
24°	822.4
25°	805.5
26°	783.3
27°	758.6
28°	731.6
29°	702.7
30°	667.9
32.5°	572.3
35°	453.3
37.5°	334.2
40°	230.2
42.5°	146.1
45°	90.8
47.5°	56.5
50°	35.5
52.5°	21.0
55°	11.4
57.5°	4.2
60°	1.8
62.5°	1.2
65°	1.2



TEST NUMBER: P499305

CATALOG NUMBER: LDA2B159040R65D010 2LBDL1MB

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.6
70°	0.6
72.5°	0.6
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)