

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: P498428

Luminaire Tested: **LDA2B159024R65D010 2LBD1GPH**

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: P498428
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: LDA2B159024R65D010 2LBD1GPH
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

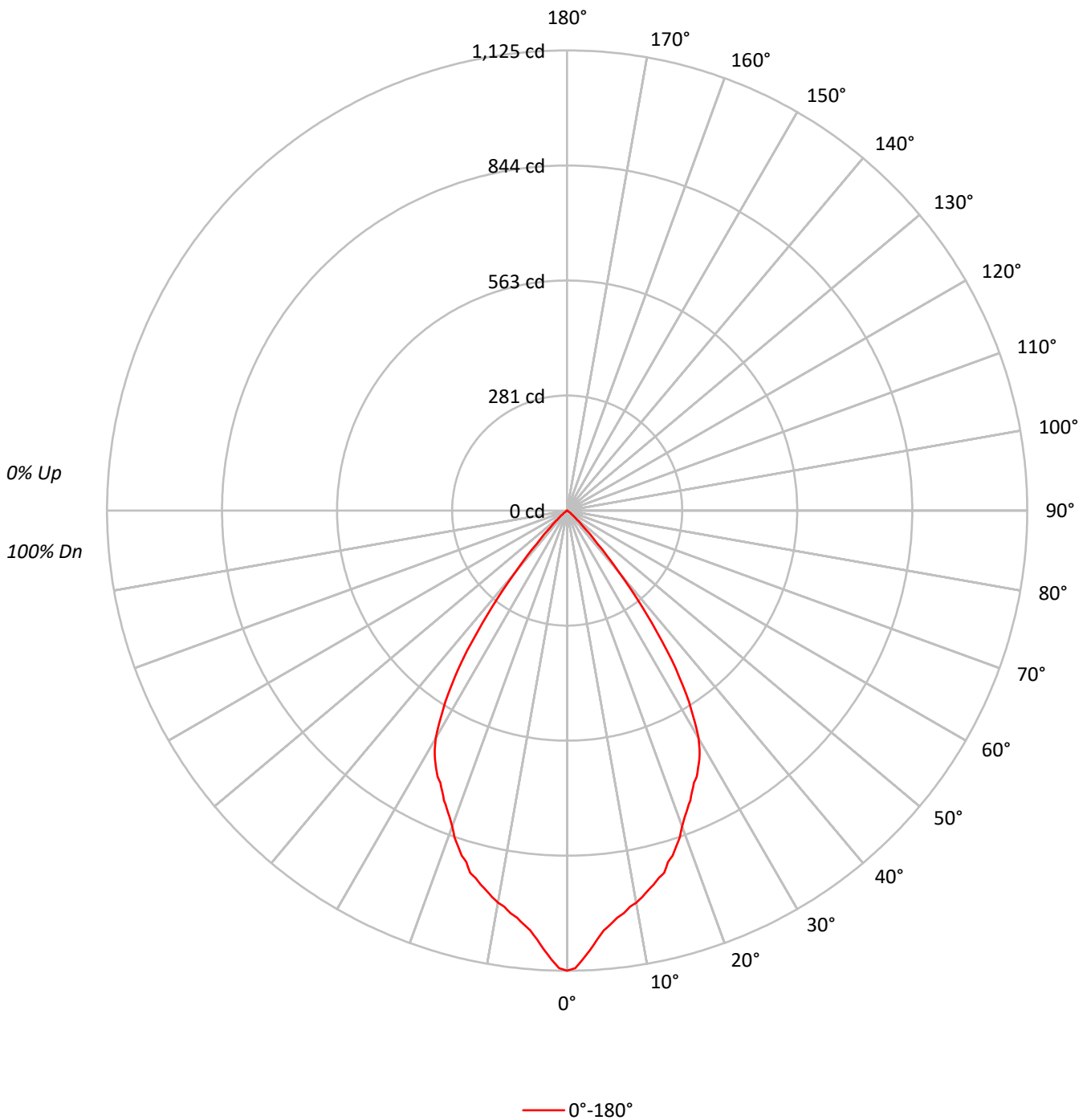
Lumens per Lamp: N/A
Luminaire Lumens: 1021.3 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.95
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P498428

CATALOG NUMBER: LDA2B159024R65D010 2LBD1GPH

Luminous Intensity Polar Plot





TEST NUMBER: P498428

CATALOG NUMBER: LDA2B159024R65D010 2LBD1GPH

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°	554933
5°	510302
10°	487647
15°	468372
20°	431360
25°	399509
30°	366080
35°	268859
40°	127326
45°	41863
50°	13585
55°	1720
60°	987
65°	584
70°	721
75°	0
80°	0
85°	0



TEST NUMBER: P498428

CATALOG NUMBER: LDA2B159024R65D010 2LBD1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	9.5
10°-20°	255.0	25.0
20°-30°	338.3	33.1
30°-40°	267.6	26.2
40°-50°	58.5	5.7
50°-60°	4.3	0.4
60°-70°	0.6	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°	690.1	67.6
0°-40°	957.7	93.8
0°-60°	1020.6	99.9
0°-90°	1021.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1021.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1125	
5°	1030	97
15°	917	255
25°	734	338
35°	446	268
45°	60	58
55°	2	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P498428

CATALOG NUMBER: LDA2B159024R65D010 2LBD1GPH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1124.8
1°	1118.7
2°	1098.0
3°	1075.3
4°	1051.6
5°	1030.4
6°	1016.8
7°	1003.2
8°	994.1
9°	980.5
10°	973.4
11°	962.3
12°	949.7
13°	938.6
14°	926.0
15°	917.0
16°	893.8
17°	882.2
18°	863.0
19°	845.3
20°	821.6
21°	802.5
22.5°	777.2
23°	770.2
24°	751.0
25°	733.9
26°	723.3
27°	705.6
28°	688.5
29°	667.8
30°	642.6
32.5°	554.8
35°	446.4
37.5°	318.3
40°	197.7
42.5°	111.5
45°	60.0
47.5°	32.3
50°	17.7
52.5°	7.6
55°	2.0
57.5°	1.0
60°	1.0
62.5°	0.5
65°	0.5



TEST NUMBER: P498428

CATALOG NUMBER: LDA2B159024R65D010 2LBD1GPH

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)