

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: P498006

Luminaire Tested: **LDA2B158040R65D010 2LBDL1GPH**

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: P498006
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: LDA2B158040R65D010 2LBDL1GPH
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

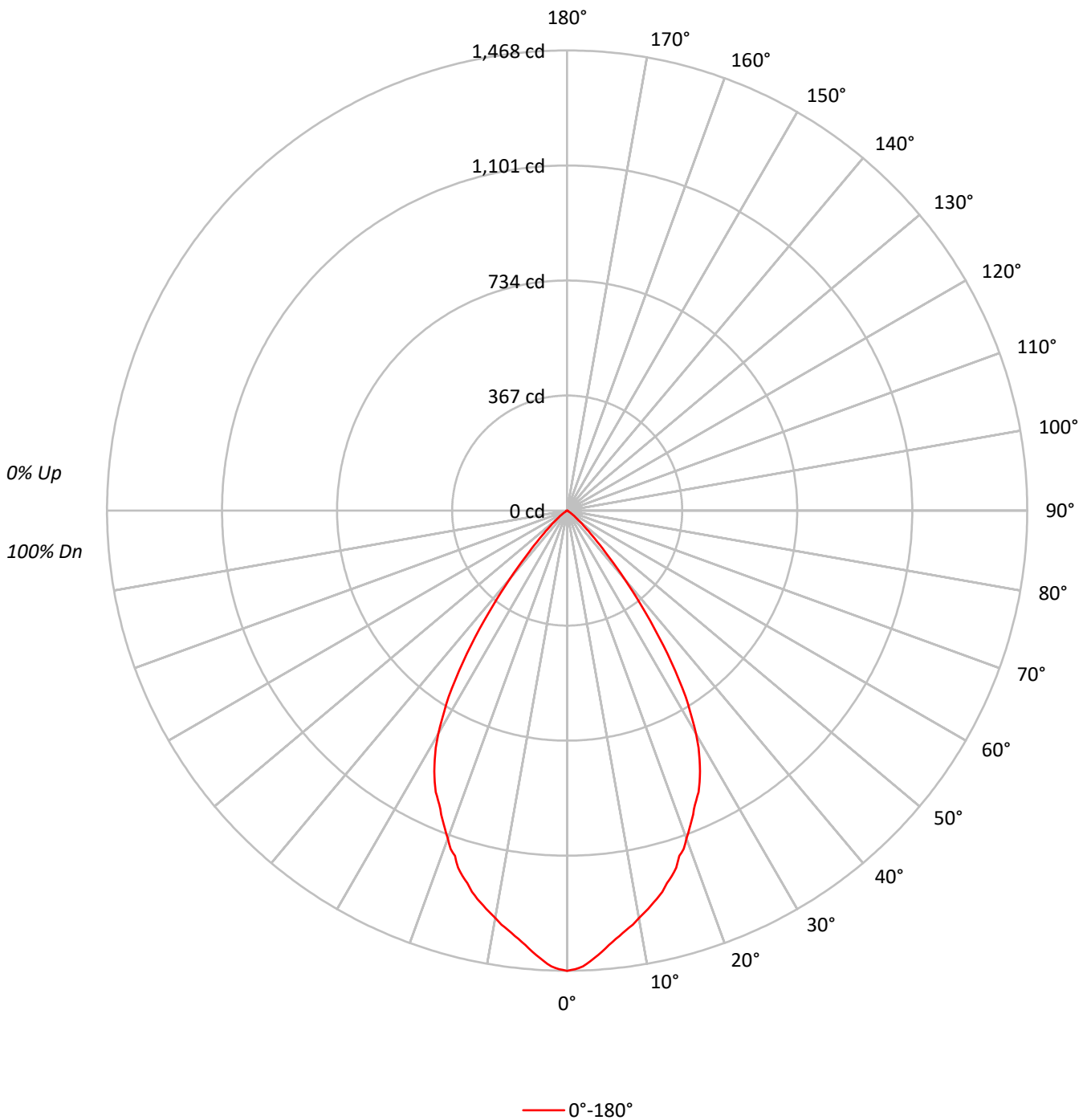
Lumens per Lamp: N/A
Luminaire Lumens: 1384.7 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.94
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P498006

CATALOG NUMBER: LDA2B158040R65D010 2LBDL1GPH

Luminous Intensity Polar Plot





TEST NUMBER: P498006

CATALOG NUMBER: LDA2B158040R65D010 2LBDL1GPH

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°	724502
5°	694286
10°	661184
15°	628395
20°	584562
25°	539629
30°	468224
35°	335954
40°	182456
45°	77935
50°	33465
55°	12128
60°	2171
65°	1751
70°	1010
75°	0
80°	0
85°	0



TEST NUMBER: P498006

CATALOG NUMBER: LDA2B158040R65D010 2LBDL1GPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.2	9.5
10°-20°	344.6	24.9
20°-30°	450.6	32.5
30°-40°	342.8	24.8
40°-50°	99.1	7.2
50°-60°	14.9	1.1
60°-70°	1.3	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°	926.4	66.9
0°-40°	1269.2	91.7
0°-60°	1383.2	99.9
0°-90°	1384.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1384.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1468	
5°	1402	131
15°	1230	345
25°	991	451
35°	558	343
45°	112	99
55°	14	15
65°	2	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P498006

CATALOG NUMBER: LDA2B158040R65D010 2LBDL1GPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1468.5
1°	1463.3
2°	1455.2
3°	1438.9
4°	1421.2
5°	1401.9
6°	1383.4
7°	1367.2
8°	1351.6
9°	1337.6
10°	1319.8
11°	1304.3
12°	1288.0
13°	1271.7
14°	1254.0
15°	1230.3
16°	1212.5
17°	1191.1
18°	1158.5
19°	1141.5
20°	1113.4
21°	1088.2
22.5°	1049.8
23°	1035.0
24°	1012.0
25°	991.3
26°	964.0
27°	933.6
28°	900.3
29°	864.8
30°	821.9
32.5°	704.3
35°	557.8
37.5°	411.3
40°	283.3
42.5°	179.8
45°	111.7
47.5°	69.5
50°	43.6
52.5°	25.9
55°	14.1
57.5°	5.2
60°	2.2
62.5°	1.5
65°	1.5



TEST NUMBER: P498006

CATALOG NUMBER: LDA2B158040R65D010 2LBDL1GPH

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)