

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: P499299

Luminaire Tested: **LDA2B159040R65D010 2LBD1WHH**

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: P499299  
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: LDA2B159040R65D010 2LBD1WHH  
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**

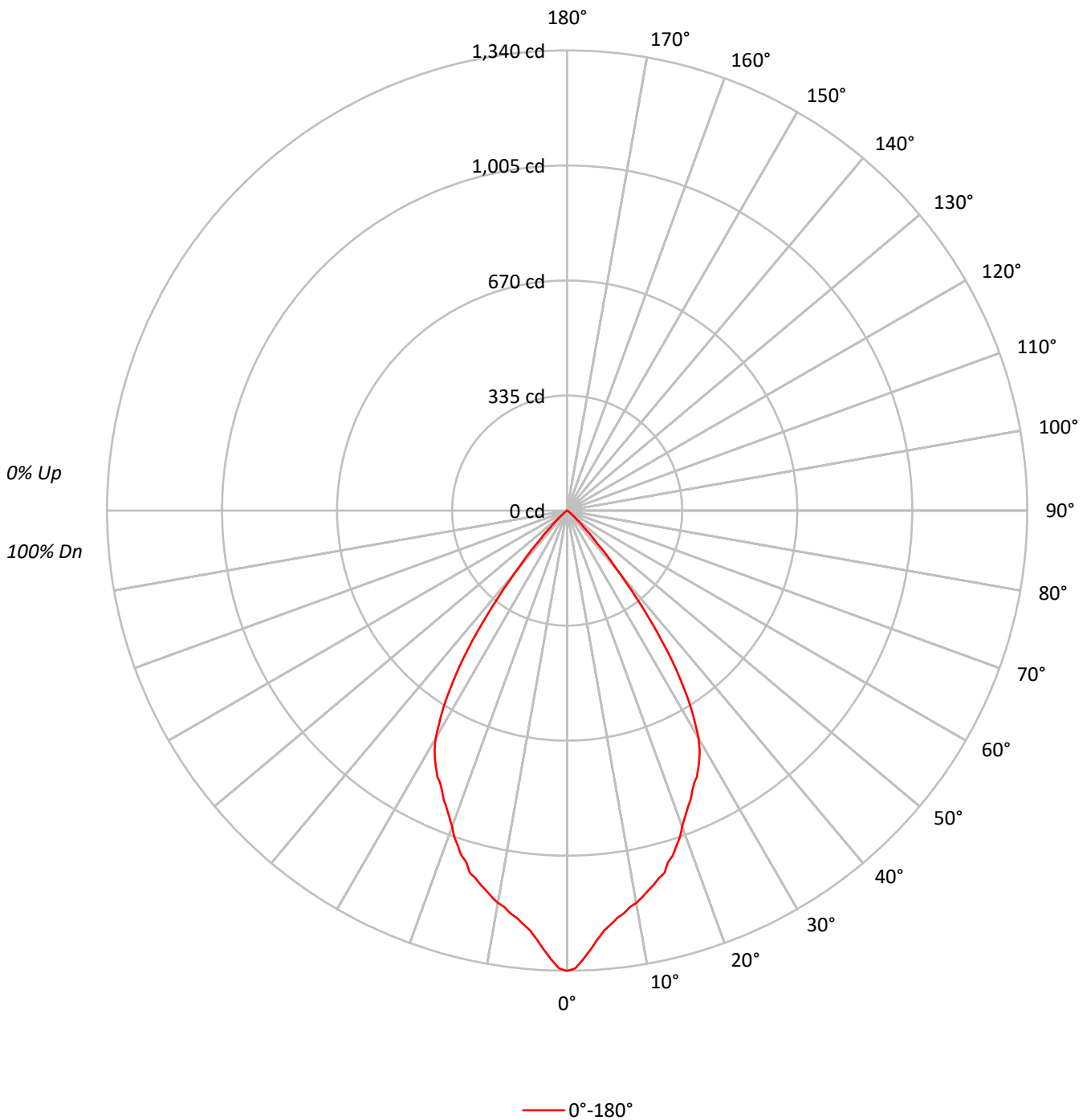
Lumens per Lamp: N/A  
Luminaire Lumens: 1217.2 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.95  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P499299

CATALOG NUMBER: LDA2B159040R65D010 2LBD1WHH

### Luminous Intensity Polar Plot





TEST NUMBER: P499299

CATALOG NUMBER: LDA2B159040R65D010 2LBD1WHH

**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°	661351
5°	608212
10°	581229
15°	558216
20°	514157
25°	476156
30°	436322
35°	320415
40°	151735
45°	49887
50°	16118
55°	2064
60°	1184
65°	700
70°	865
75°	0
80°	0
85°	0



TEST NUMBER: P499299

CATALOG NUMBER: LDA2B159040R65D010 2LBD1WHH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.4	9.5
10°-20°	303.9	25.0
20°-30°	403.2	33.1
30°-40°	319.0	26.2
40°-50°	69.7	5.7
50°-60°	5.2	0.4
60°-70°	0.7	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°	822.5	67.6
0°-40°	1141.5	93.8
0°-60°	1216.3	99.9
0°-90°	1217.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1217.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1340	
5°	1228	115
15°	1093	304
25°	875	403
35°	532	319
45°	72	70
55°	2	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P499299

CATALOG NUMBER: LDA2B159040R65D010 2LBD1WHH

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1340.5
1°	1333.3
2°	1308.7
3°	1281.6
4°	1253.4
5°	1228.1
6°	1211.9
7°	1195.7
8°	1184.9
9°	1168.6
10°	1160.2
11°	1147.0
12°	1132.0
13°	1118.7
14°	1103.7
15°	1092.9
16°	1065.2
17°	1051.4
18°	1028.6
19°	1007.5
20°	979.3
21°	956.4
22.5°	926.4
23°	917.9
24°	895.1
25°	874.7
26°	862.0
27°	841.0
28°	820.6
29°	795.9
30°	765.9
32.5°	661.3
35°	532.0
37.5°	379.3
40°	235.6
42.5°	132.9
45°	71.5
47.5°	38.5
50°	21.0
52.5°	9.0
55°	2.4
57.5°	1.2
60°	1.2
62.5°	0.6
65°	0.6



TEST NUMBER: P499299

CATALOG NUMBER: LDA2B159040R65D010 2LBD1WHH

**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)