

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: P500159

Luminaire Tested: **LDA2B208027R65D010 2LBD1MB**

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: P500159
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: LDA2B208027R65D010 2LBD1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

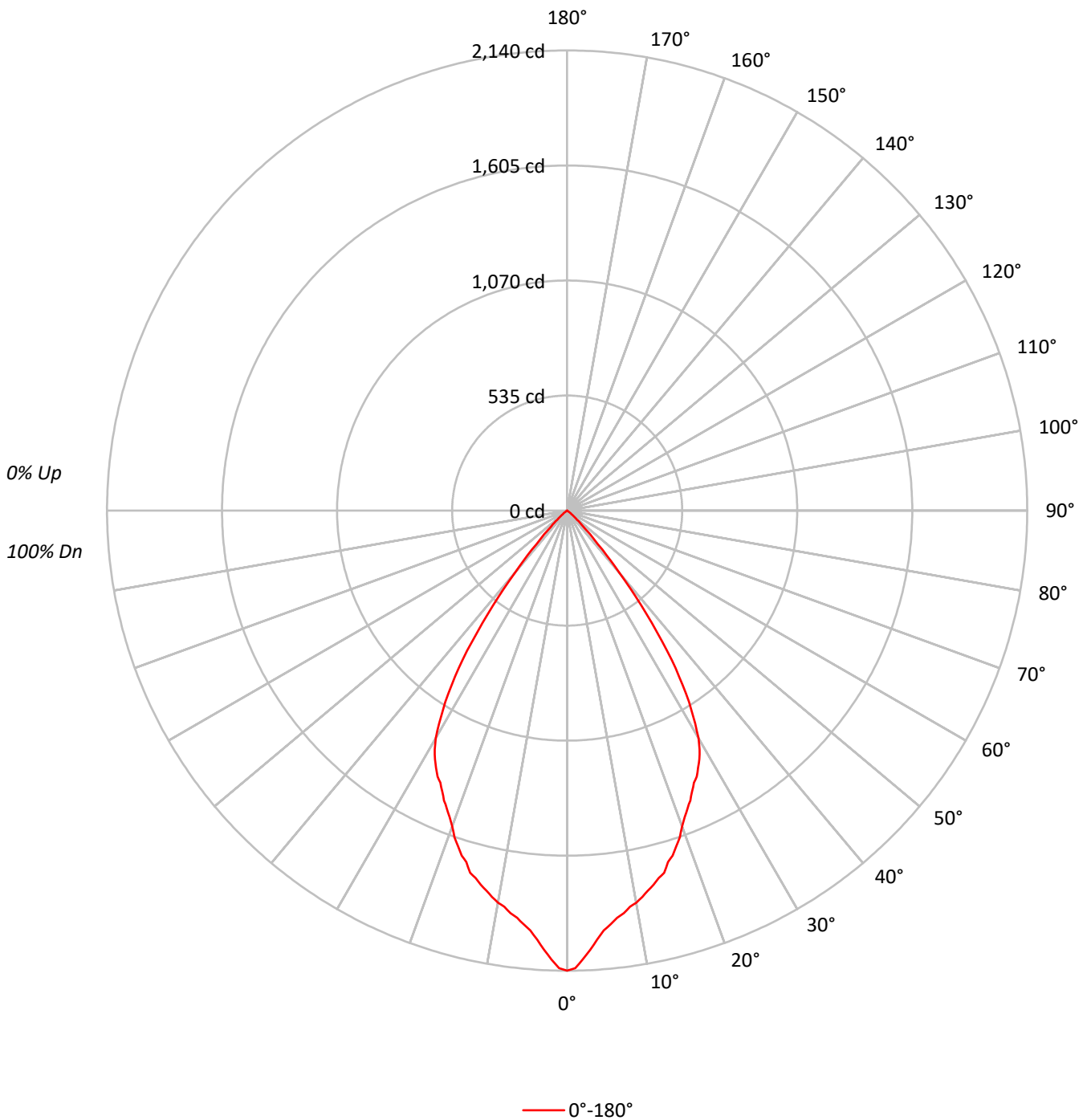
Lumens per Lamp: N/A
Luminaire Lumens: 1942.8 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.95
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 20.6
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: P500159

CATALOG NUMBER: LDA2B208027R65D010 2LBD1MB

Luminous Intensity Polar Plot





TEST NUMBER: P500159

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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	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°	1055548
5°	970732
10°	927651
15°	890878
20°	820561
25°	759933
30°	696326
35°	511399
40°	242223
45°	79680
50°	25789
55°	3269
60°	1875
65°	1167
70°	1442
75°	0
80°	0
85°	0



TEST NUMBER: P500159

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.1	9.5
10°-20°	485.1	25.0
20°-30°	643.5	33.1
30°-40°	509.1	26.2
40°-50°	111.2	5.7
50°-60°	8.2	0.4
60°-70°	1.1	0.1
70°-80°	0.4	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°	1312.7	67.6
0°-40°	1821.8	93.8
0°-60°	1941.3	99.9
0°-90°	1942.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1942.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2140	
5°	1960	184
15°	1744	485
25°	1396	643
35°	849	509
45°	114	111
55°	4	8
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P500159

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2139.5
1°	2128.0
2°	2088.7
3°	2045.5
4°	2000.4
5°	1960.1
6°	1934.2
7°	1908.3
8°	1891.0
9°	1865.1
10°	1851.7
11°	1830.6
12°	1806.6
13°	1785.5
14°	1761.5
15°	1744.2
16°	1700.1
17°	1678.0
18°	1641.6
19°	1608.0
20°	1562.9
21°	1526.5
22.5°	1478.5
23°	1465.0
24°	1428.6
25°	1396.0
26°	1375.8
27°	1342.2
28°	1309.6
29°	1270.3
30°	1222.3
32.5°	1055.4
35°	849.1
37.5°	605.4
40°	376.1
42.5°	212.0
45°	114.2
47.5°	61.4
50°	33.6
52.5°	14.4
55°	3.8
57.5°	1.9
60°	1.9
62.5°	1.0
65°	1.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.0
70°	1.0
72.5°	1.0
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)