

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: P500138

Luminaire Tested: **LDA2B208027R60D010 2LBD1MW**

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: P500138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-53)
Test Lab: INNOVATION CENTER
Issue Date: 3/8/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B208027R60D010 2LBD1MW
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

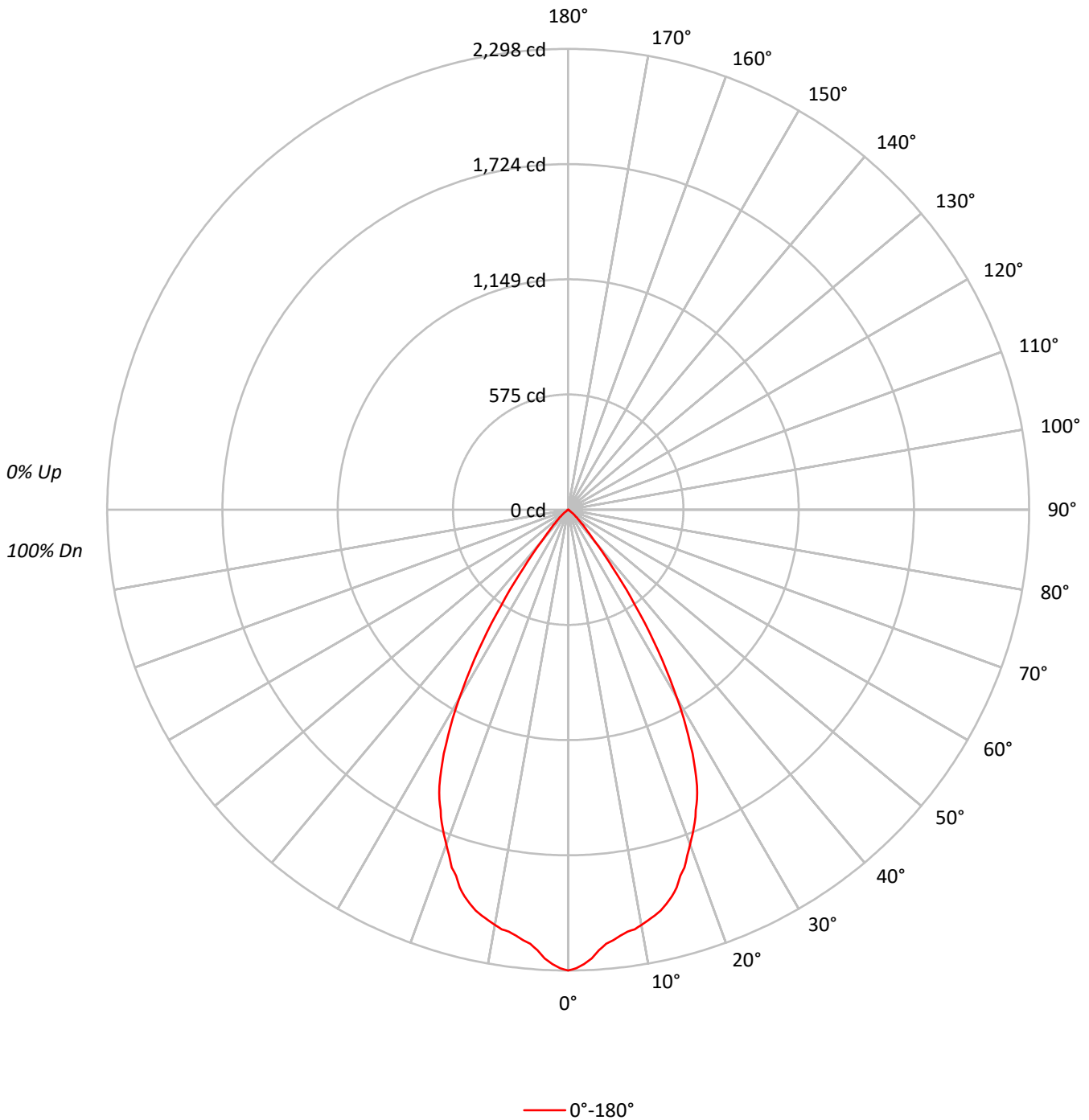
Lumens per Lamp: N/A
Luminaire Lumens: 1893.6 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.87
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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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	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	87	85	88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	67
7	85	76	70	66	83	75	69	66	74	69	65	73	68	65	71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	57	64	60	57	56
10	73	64	58	55	72	64	58	54	63	58	54	62	57	54	61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1133647
5°	1076220
10°	1053596
15°	1019795
20°	932391
25°	827815
30°	619248
35°	349626
40°	131641
45°	58887
50°	28706
55°	5763
60°	1875
65°	1167
70°	1442
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.7	10.9
10°-20°	554.5	29.3
20°-30°	677.5	35.8
30°-40°	369.5	19.5
40°-50°	73.9	3.9
50°-60°	10.6	0.6
60°-70°	1.3	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°	1437.8	75.9
0°-40°	1807.3	95.4
0°-60°	1891.9	99.9
0°-90°	1893.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1893.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2298	
5°	2173	206
15°	1997	555
25°	1521	678
35°	580	370
45°	84	74
55°	7	11
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2297.8
1°	2287.3
2°	2267.1
3°	2240.3
4°	2201.9
5°	2173.1
6°	2157.8
7°	2139.5
8°	2125.1
9°	2118.4
10°	2103.1
11°	2085.8
12°	2070.5
13°	2052.2
14°	2025.4
15°	1996.6
16°	1960.1
17°	1909.3
18°	1876.6
19°	1823.9
20°	1775.9
21°	1731.8
22.5°	1657.9
23°	1627.2
24°	1580.2
25°	1520.7
26°	1444.9
27°	1365.3
28°	1274.1
29°	1187.8
30°	1087.0
32.5°	833.7
35°	580.5
37.5°	363.6
40°	204.4
42.5°	127.6
45°	84.4
47.5°	57.6
50°	37.4
52.5°	19.2
55°	6.7
57.5°	2.9
60°	1.9
62.5°	1.9
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)