

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: P500585

Luminaire Tested: **LDA2B208035R60D010 2LBDLC1MMS**

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: P500585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-037-55)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDA2B208035R60D010 2LBDLC1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

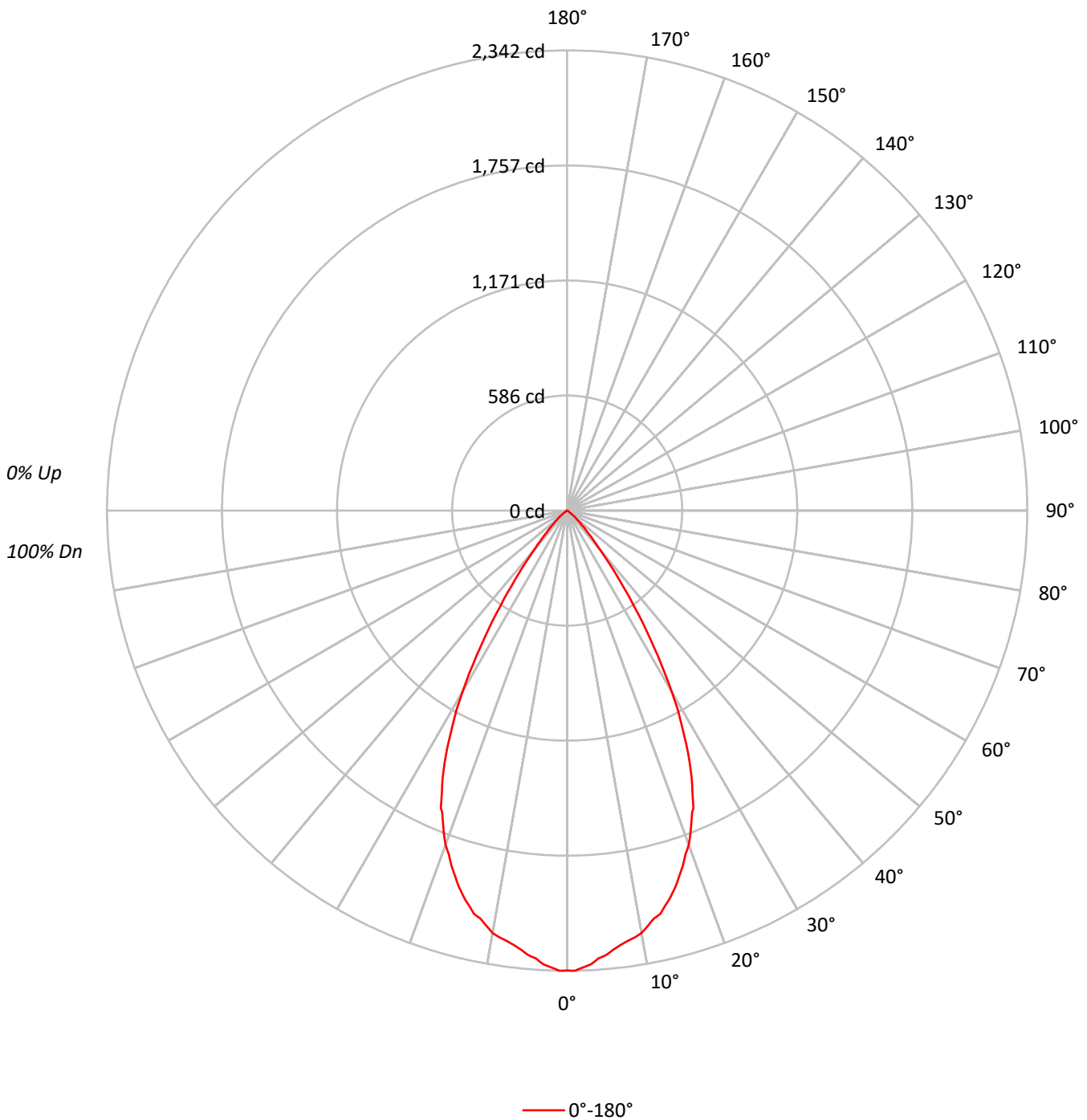
Lumens per Lamp: N/A
Luminaire Lumens: 1951.5 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.86
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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					100			
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94					94			
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88					88			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82					82			
4	98	90	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76					76			
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71					71			
6	88	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67					67			
7	84	75	69	65	83	74	69	65	73	68	65	72	68	64	71	67	64	63					63			
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59					59			
9	76	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55					55			
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	57	53	52					52			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1155009
5°	1124903
10°	1093874
15°	1039715
20°	949980
25°	815730
30°	606999
35°	356371
40°	169833
45°	79261
50°	39528
55°	13848
60°	3158
65°	2452
70°	1587
75°	2097
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.7	11.0
10°-20°	566.4	29.0
20°-30°	672.5	34.5
30°-40°	379.6	19.5
40°-50°	98.7	5.1
50°-60°	18.0	0.9
60°-70°	1.8	0.1
70°-80°	0.7	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°	1452.7	74.4
0°-40°	1832.2	93.9
0°-60°	1948.9	99.9
0°-90°	1951.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1951.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2341	
5°	2271	214
15°	2036	566
25°	1498	673
35°	592	380
45°	114	99
55°	16	18
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2341.1
1°	2342.1
2°	2326.0
3°	2312.1
4°	2285.3
5°	2271.4
6°	2246.7
7°	2228.5
8°	2211.4
9°	2199.6
10°	2183.5
11°	2152.4
12°	2123.5
13°	2107.4
14°	2069.9
15°	2035.6
16°	1995.9
17°	1948.7
18°	1903.7
19°	1850.1
20°	1809.4
21°	1753.6
22.5°	1661.5
23°	1645.4
24°	1567.1
25°	1498.5
26°	1422.4
27°	1334.5
28°	1247.7
29°	1163.0
30°	1065.5
32.5°	820.0
35°	591.7
37.5°	404.1
40°	263.7
42.5°	172.6
45°	113.6
47.5°	77.2
50°	51.5
52.5°	32.2
55°	16.1
57.5°	6.4
60°	3.2
62.5°	2.1
65°	2.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.1
70°	1.1
72.5°	1.1
75°	1.1
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)