

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: P500144

Luminaire Tested: **LDA2B208027R60D010 2LBDL1H**

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: P500144
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: LDA2B208027R60D010 2LBDL1H
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

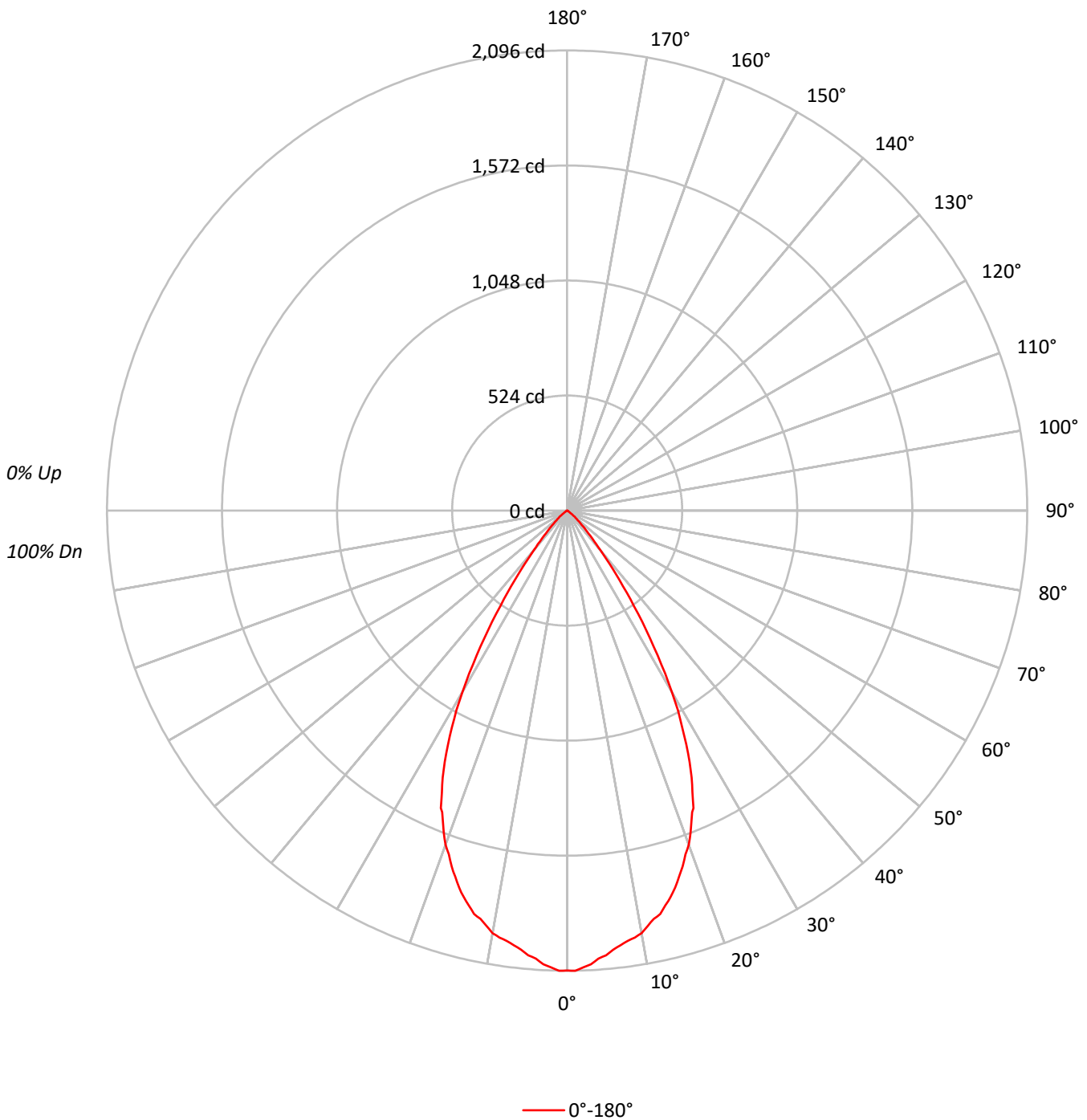
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1746.8 lumens
Efficiency: N/A
Efficacy: 84.8 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	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	101		101	100	98		98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	85	83	82
4	98	90	85	81	96	89	84	81	87	83	80		85	82	79		83	80	78	76
5	93	85	79	75	91	84	79	75	82	78	74		81	77	73		79	76	73	71
6	88	80	74	70	87	79	74	70	78	73	69		76	72	69		75	71	68	67
7	84	75	69	65	83	74	69	65	73	68	65		72	68	64		71	67	64	63
8	80	71	65	61	79	70	65	61	69	64	61		68	64	60		67	63	60	59
9	76	67	61	57	75	67	61	57	66	61	57		65	60	57		64	60	57	55
10	73	63	58	54	72	63	58	54	62	57	54		61	57	54		61	57	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1033790
5°	1006836
10°	979101
15°	930615
20°	850277
25°	730156
30°	543309
35°	318969
40°	151993
45°	70958
50°	35383
55°	12386
60°	2861
65°	2218
70°	1442
75°	1906
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.3	11.0
10°-20°	507.0	29.0
20°-30°	601.9	34.5
30°-40°	339.7	19.5
40°-50°	88.4	5.1
50°-60°	16.1	0.9
60°-70°	1.7	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°	1300.2	74.4
0°-40°	1640.0	93.9
0°-60°	1744.4	99.9
0°-90°	1746.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1746.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2095	
5°	2033	191
15°	1822	507
25°	1341	602
35°	530	340
45°	102	88
55°	14	16
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2095.4
1°	2096.4
2°	2082.0
3°	2069.5
4°	2045.5
5°	2033.0
6°	2011.0
7°	1994.7
8°	1979.3
9°	1968.8
10°	1954.4
11°	1926.5
12°	1900.6
13°	1886.2
14°	1852.7
15°	1822.0
16°	1786.5
17°	1744.2
18°	1704.0
19°	1656.0
20°	1619.5
21°	1569.6
22.5°	1487.1
23°	1472.7
24°	1402.7
25°	1341.3
26°	1273.2
27°	1194.5
28°	1116.8
29°	1041.0
30°	953.7
32.5°	734.0
35°	529.6
37.5°	361.7
40°	236.0
42.5°	154.5
45°	101.7
47.5°	69.1
50°	46.1
52.5°	28.8
55°	14.4
57.5°	5.8
60°	2.9
62.5°	1.9
65°	1.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)