

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P175417

Luminaire Tested: **LDA6A10835D010TE LARL20NF 6LFC1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175417
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26263)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A10835D010TE LARL20NF 6LFC1
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 20° Narrow Flood
Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 936.1 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

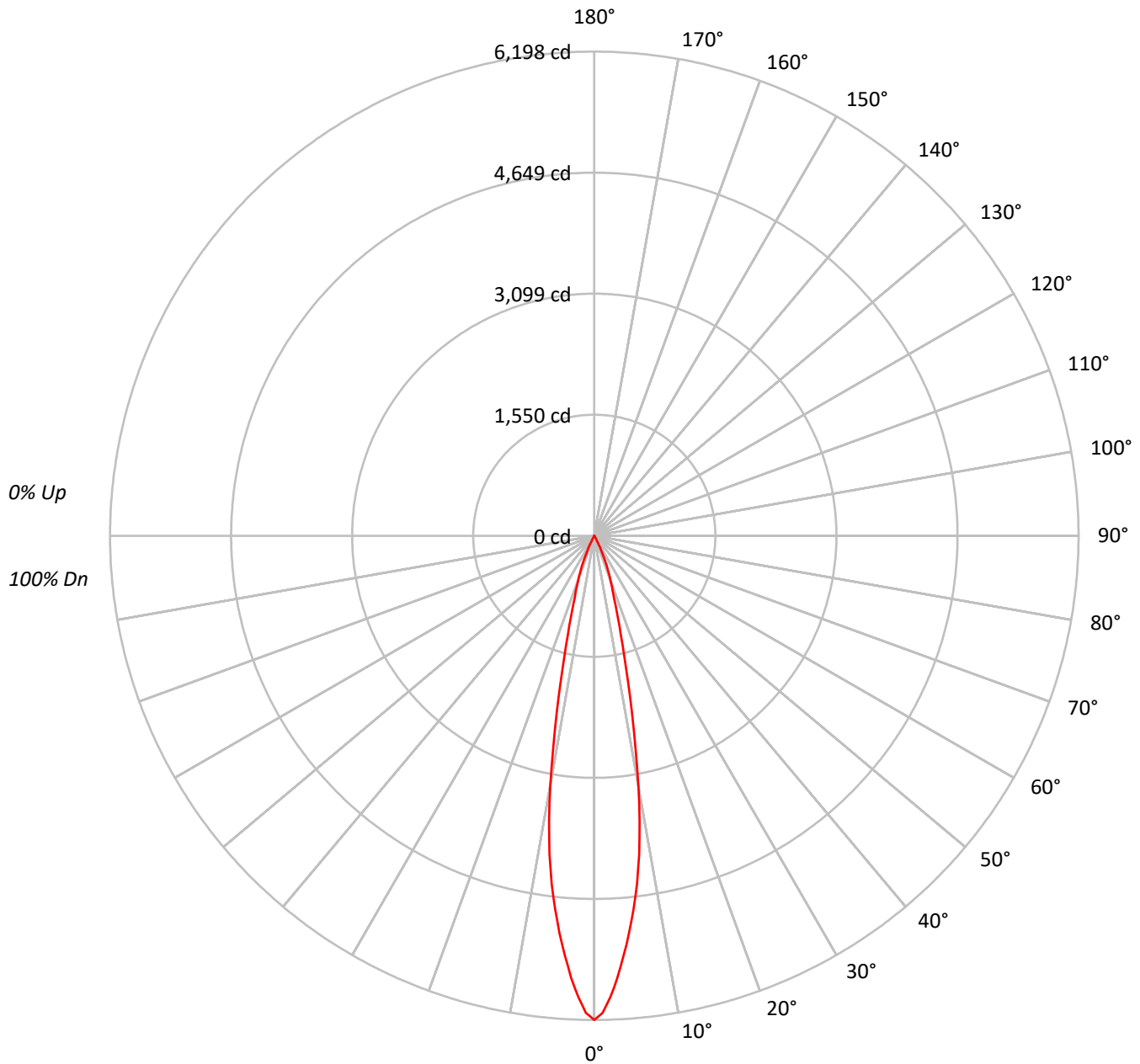
Input Watts (W): 13.84
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	114	112	110		113	111	110	108		107	106	105		104	103	102		100	100	99
2	112	109	106	104		110	107	105	103		104	102	101		101	100	98		99	98	96
3	109	105	102	99		107	104	101	98		101	99	97		99	97	95		97	95	94
4	106	102	98	95		105	101	97	95		99	96	94		97	95	93		95	93	92
5	104	99	95	92		102	98	94	92		96	93	91		95	92	90		93	91	90
6	101	96	92	90		100	95	92	89		94	91	89		93	90	88		92	89	88
7	99	93	90	87		98	93	89	87		92	89	87		91	88	86		90	88	86
8	97	91	87	85		96	91	87	85		90	87	85		89	86	84		88	86	84
9	95	89	85	83		94	89	85	83		88	85	83		87	84	82		86	84	82
10	93	87	84	81		92	87	83	81		86	83	81		85	83	81		85	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	339803
5°	280948
10°	180675
15°	73650
20°	35161
25°	13174
30°	943
35°	187
40°	72
45°	23
50°	26
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.5	46.0
10°-20°	394.4	42.1
20°-30°	108.1	11.5
30°-40°	2.6	0.3
40°-50°	0.4	0.0
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	933.0	99.7
0°-40°	935.7	100.0
0°-60°	936.1	100.0
0°-90°	936.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	936.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6198	
5°	5105	431
15°	1298	394
25°	218	108
35°	3	3
45°	0	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6198.5
1°	6108.2
2°	5907.8
3°	5662.9
4°	5388.1
5°	5105.4
6°	4807.4
7°	4485.0
8°	4116.8
9°	3703.1
10°	3245.7
11°	2762.2
12°	2311.6
13°	1904.9
14°	1574.9
15°	1297.7
17.5°	831.6
20°	602.7
22.5°	407.4
25°	217.8
27.5°	72.9
30°	14.9
32.5°	5.2
35°	2.8
37.5°	1.7
40°	1.0
42.5°	0.7
45°	0.3
47.5°	0.3
50°	0.3
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)