

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: P170255

Luminaire Tested: **LDA6A30835D010TE LAR20SP 6LA1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P170255
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25651)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A30835D010TE LAR20SP 6LA1
Description: PORTFOLIO 6" Adjustable Reflector, Self-flange Trim Ring, 20° Spot
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: 2527.3 lumens
Efficiency: N/A
Efficacy: 56.8 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.46
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

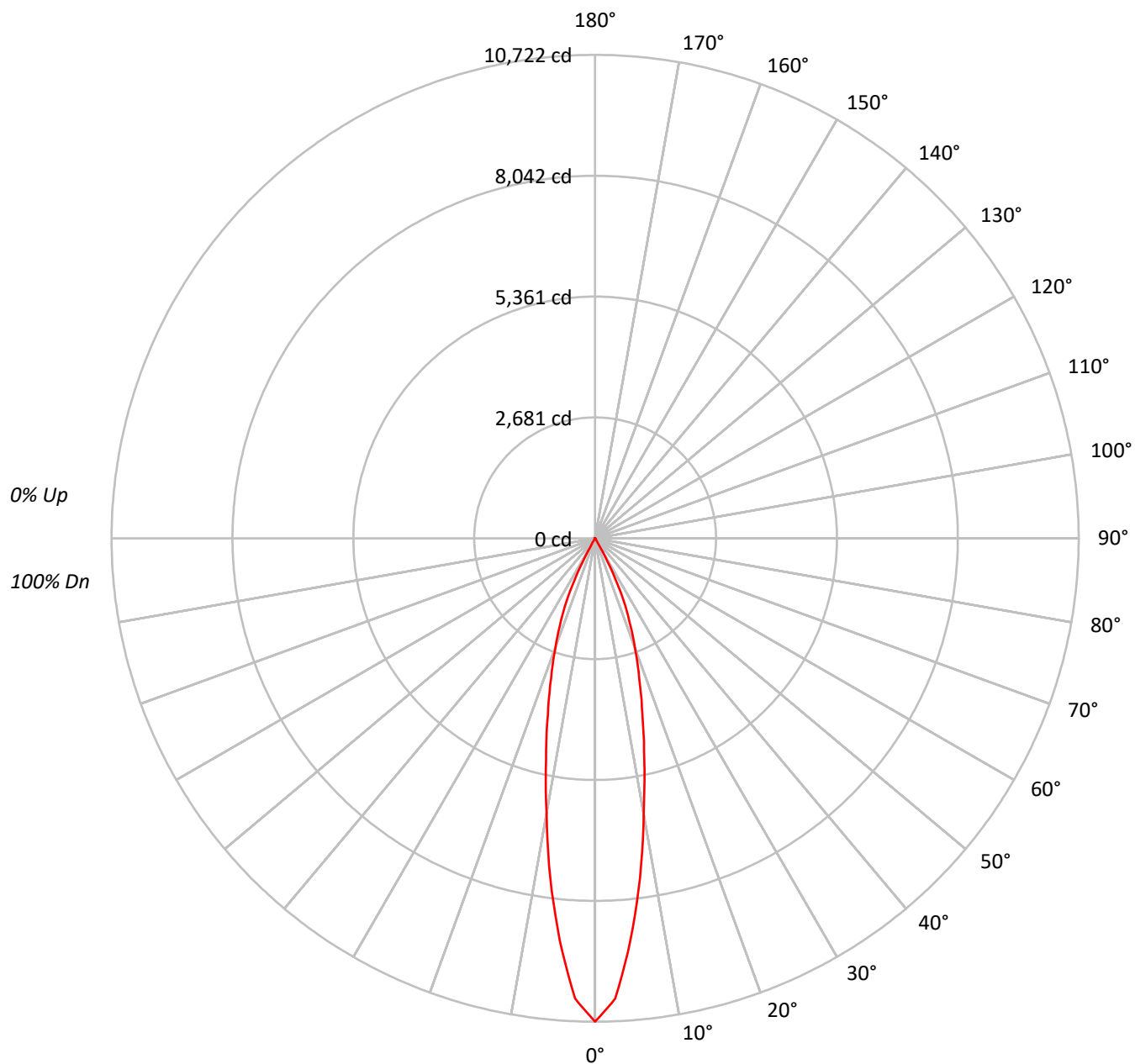
Input Watts (W): 44.49
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	113	111	109	107	107	105	104		103	102	101		100
2	111	107	104	102	109	106	103	101	103	100	98		100	98	96		97
3	107	103	99	96	106	101	98	95	99	96	94		97	94	92		95
4	104	99	95	91	102	97	94	91	95	92	90		94	91	89		92
5	101	95	91	87	99	94	90	87	92	89	86		91	88	86		89
6	98	91	87	84	97	91	87	84	89	86	83		88	85	83		87
7	95	88	84	81	94	88	84	81	87	83	80		85	82	80		85
8	92	85	81	78	91	85	81	78	84	80	78		83	80	77		82
9	89	83	78	76	89	82	78	76	81	78	75		81	77	75		80
10	87	80	76	73	86	80	76	73	79	75	73		78	75	73		78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	587760
5°	492993
10°	344605
15°	229428
20°	150431
25°	85989
30°	6742
35°	1466
40°	451
45°	240
50°	136
55°	153
60°	175
65°	208
70°	256
75°	339
80°	505
85°	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	769.6	30.4
10°-20°	1131.8	44.8
20°-30°	598.3	23.7
30°-40°	19.4	0.8
40°-50°	2.5	0.1
50°-60°	1.4	0.1
60°-70°	1.2	0.0
70°-80°	1.3	0.1
80°-90°	1.9	0.1
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°	2499.6	98.9
0°-40°	2519.0	99.7
0°-60°	2522.9	99.8
0°-90°	2527.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2527.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10722	
5°	8959	770
15°	4042	1132
25°	1422	598
35°	22	19
45°	3	3
55°	2	1
65°	2	1
75°	2	1
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10721.6
2.5°	10219.1
5°	8958.7
7.5°	7610.7
10°	6190.6
12.5°	5025.8
15°	4042.5
17.5°	3248.7
20°	2578.6
22.5°	1980.6
25°	1421.6
27.5°	717.1
30°	106.5
32.5°	39.1
35°	21.9
37.5°	12.5
40°	6.3
42.5°	4.7
45°	3.1
47.5°	1.6
50°	1.6
52.5°	1.6
55°	1.6
57.5°	1.6
60°	1.6
62.5°	1.6
65°	1.6
67.5°	0.0
70°	1.6
72.5°	1.6
75°	1.6
77.5°	0.0
80°	1.6
82.5°	1.6
85°	1.6
87.5°	3.1
90°	0.0



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— 0°-180°







(END OF REPORT)