

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: P170477

Luminaire Tested: **LDA4A28827D010TE LAR35FL 4LA1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P170477
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25630)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA4A28827D010TE LAR35FL 4LA1
Description: PORTFOLIO 4" Adjustable Reflector, Self-flange Trim Ring, 35° Flood
Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2469.7 lumens
Efficiency: N/A
Efficacy: 55.5 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

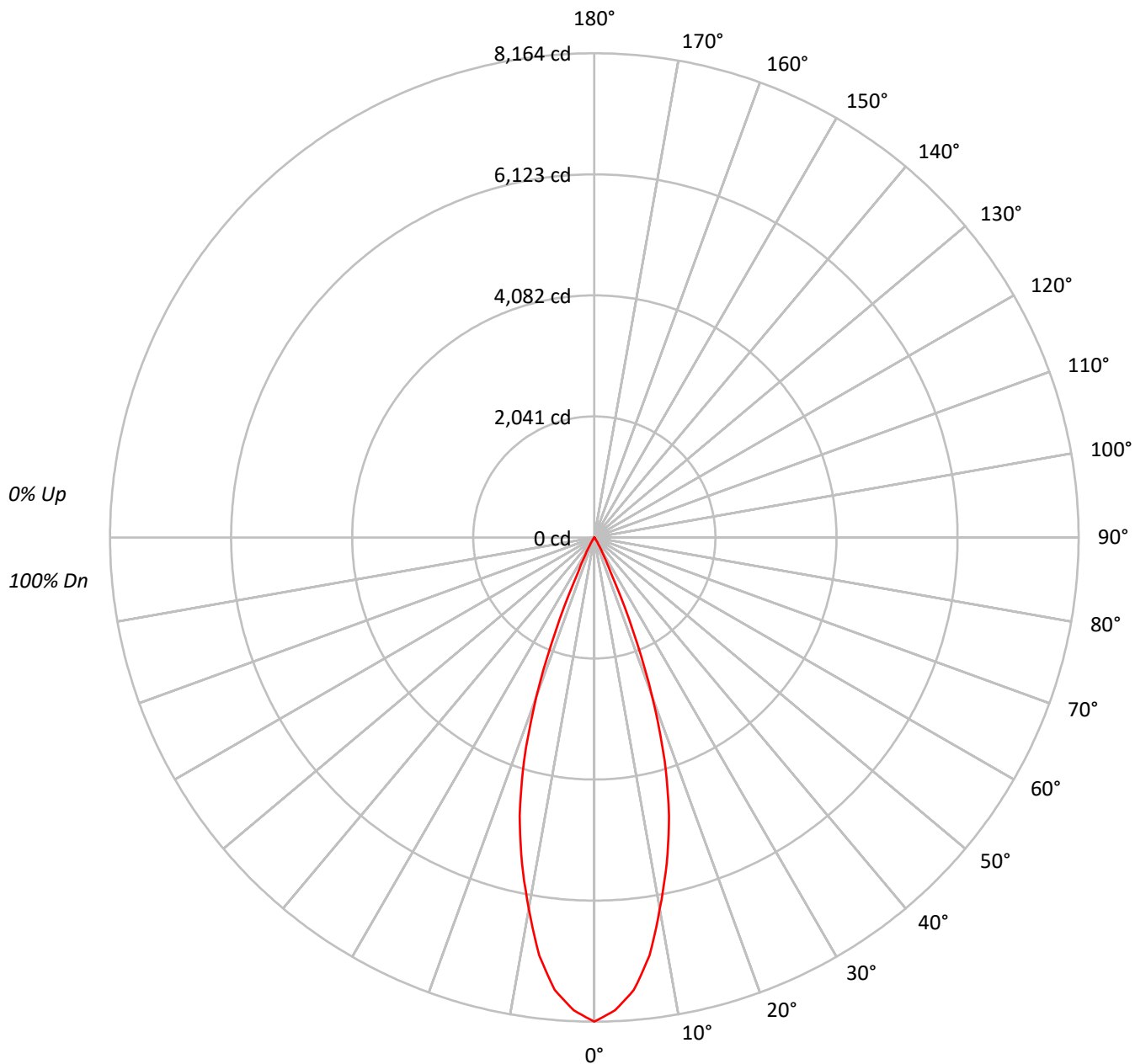
Input Watts (W): 44.49
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	104	102	109	106	103	101	103	101	99		100	98	97		97
3	108	103	99	96	106	102	98	96	99	96	94		97	95	93		95
4	104	99	95	92	103	98	94	91	96	93	90		94	91	89		92
5	101	95	91	88	100	94	90	87	93	89	87		91	88	86		90
6	98	92	87	84	97	91	87	84	90	86	84		88	85	83		87
7	95	88	84	81	94	88	84	81	87	83	81		86	83	80		85
8	92	86	81	78	91	85	81	78	84	81	78		83	80	78		82
9	90	83	79	76	89	82	79	76	82	78	76		81	78	75		80
10	87	80	76	74	86	80	76	73	79	76	73		79	75	73		78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1006994
5°	948152
10°	796455
15°	621053
20°	374910
25°	86884
30°	22731
35°	5391
40°	1771
45°	488
50°	269
55°	301
60°	345
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	689.7	27.9
10°-20°	1299.0	52.6
20°-30°	444.6	18.0
30°-40°	31.7	1.3
40°-50°	3.0	0.1
50°-60°	1.3	0.1
60°-70°	0.5	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°	2433.3	98.5
0°-40°	2465.0	99.8
0°-60°	2469.2	100.0
0°-90°	2469.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2469.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8164	
5°	7658	690
15°	4864	1299
25°	638	445
35°	36	32
45°	3	3
55°	1	1
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8164.0
2.5°	7981.1
5°	7657.7
7.5°	7110.2
10°	6359.0
12.5°	5629.8
15°	4863.5
17.5°	3933.4
20°	2856.2
22.5°	1706.0
25°	638.4
27.5°	310.9
30°	159.6
32.5°	71.5
35°	35.8
37.5°	19.3
40°	11.0
42.5°	5.5
45°	2.8
47.5°	1.4
50°	1.4
52.5°	1.4
55°	1.4
57.5°	1.4
60°	1.4
62.5°	1.4
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
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)