

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: P1192402

Luminaire Tested: **LDA6A50940D010TE LARH40FL 6LA1LI**

Issue Date: 3/3/2020

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-41-14
Report Number: P1192402
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26661)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A50940D010TE LARH40FL 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

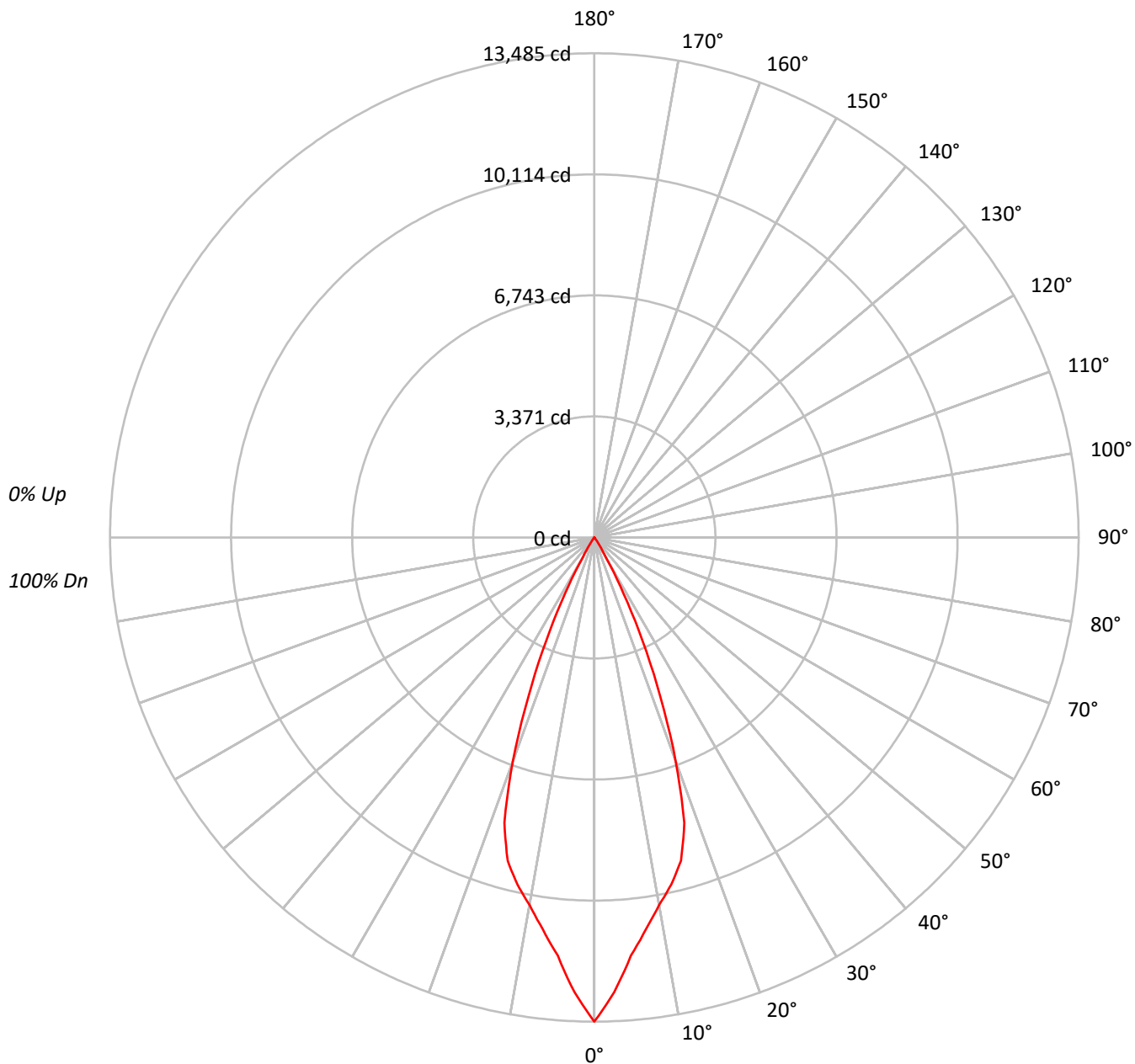
Lumens per Lamp: N/A
Luminaire Lumens: 5185.7 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 57.4
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	112	110	109	112	110	108	107		106	105	104			103	101	100			99
2	110	107	103	101	108	105	102	100		102	99	97			99	97	95			96
3	107	101	98	94	105	100	97	94		98	95	92			95	93	91			93
4	103	97	93	89	101	96	92	89		94	90	88			92	89	87			90
5	99	93	88	85	98	92	88	84		90	87	84			89	86	83			87
6	96	89	84	81	94	88	84	81		87	83	80			85	82	80			84
7	92	85	81	77	91	85	80	77		84	80	77			82	79	76			81
8	89	82	77	74	88	82	77	74		81	77	74			80	76	74			79
9	86	79	74	71	86	79	74	71		78	74	71			77	73	71			76
10	84	76	72	69	83	76	71	69		75	71	68			74	71	68			74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	739266
5°	643477
10°	578585
15°	528987
20°	386486
25°	191745
30°	42367
35°	8225
40°	1481
45°	403
50°	179
55°	105
60°	121
65°	143
70°	176
75°	233
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1081.6	20.9
10°-20°	2504.5	48.3
20°-30°	1465.1	28.3
30°-40°	125.7	2.4
40°-50°	5.8	0.1
50°-60°	1.1	0.0
60°-70°	1.1	0.0
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°	5051.2	97.4
0°-40°	5177.0	99.8
0°-60°	5183.9	100.0
0°-90°	5185.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5185.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13485	
5°	11693	###
15°	9321	2504
25°	3170	1465
35°	123	126
45°	5	6
55°	1	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13485.3
2.5°	12679.7
5°	11693.3
7.5°	11005.4
10°	10393.9
12.5°	9896.1
15°	9320.7
17.5°	8329.2
20°	6624.9
22.5°	4792.6
25°	3170.0
27.5°	1754.8
30°	669.3
32.5°	343.0
35°	122.9
37.5°	39.2
40°	20.7
42.5°	11.4
45°	5.2
47.5°	3.1
50°	2.1
52.5°	1.1
55°	1.1
57.5°	1.1
60°	1.1
62.5°	1.1
65°	1.1
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

Classified

Scaled Data Report

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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Peachtree City, GA 30269

Scaled Data Report



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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)