

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: P1192201

Luminaire Tested: **LDA6A40930D010TE LARH40FL 6LFC1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26667)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A40930D010TE LARH40FL 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

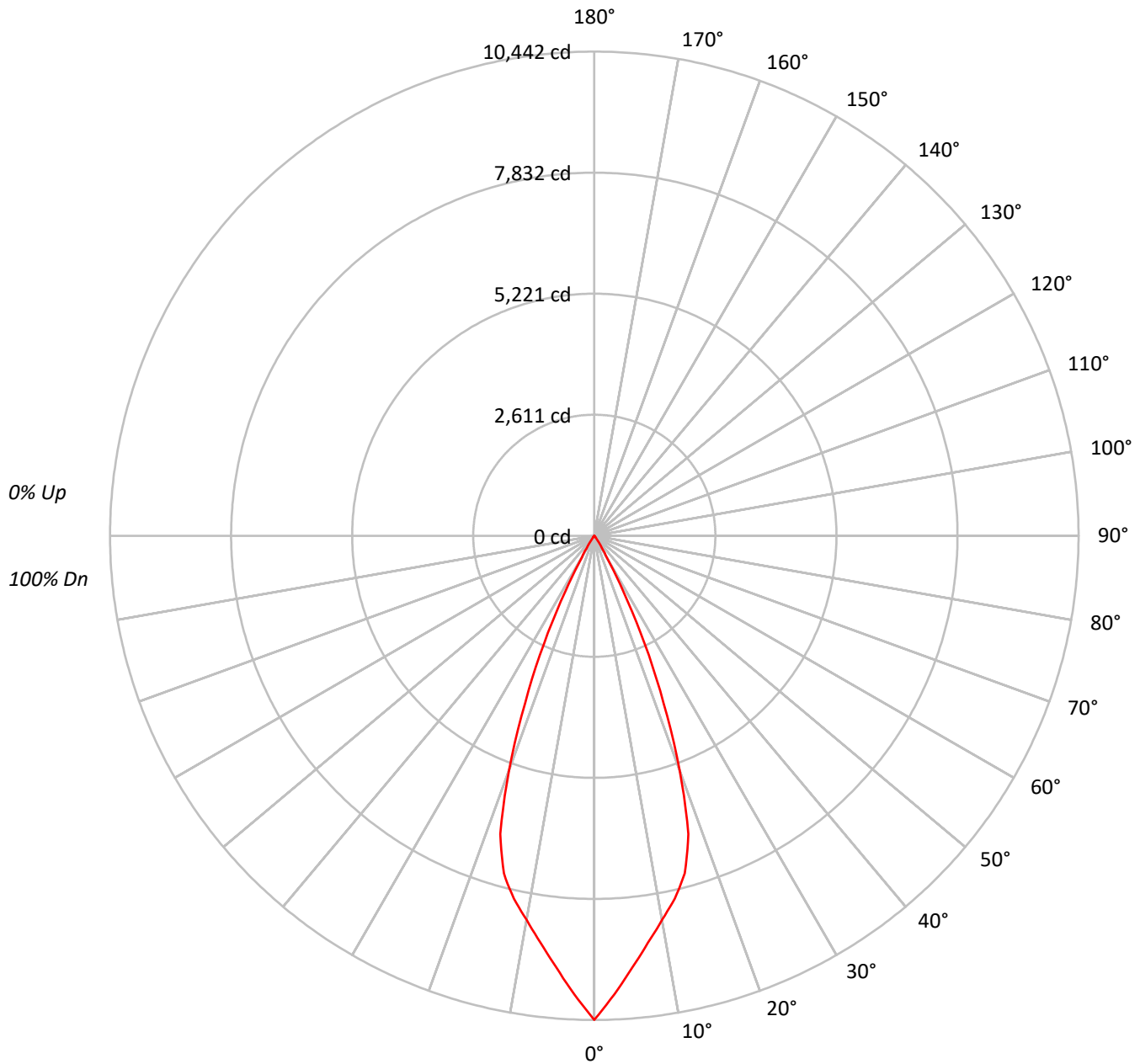
Lumens per Lamp: N/A
Luminaire Lumens: 4189.1 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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	108	112	110	108	107		106	105	104			103	101	100			99
2	110	107	103	101	108	105	102	99		102	99	97			99	97	95			96
3	106	101	97	94	105	100	96	94		98	95	92			95	93	91			93
4	103	97	92	89	101	96	92	89		94	90	88			92	89	87			90
5	99	93	88	85	98	92	87	84		90	86	84			89	85	83			87
6	96	89	84	81	94	88	84	81		87	83	80			85	82	79			84
7	92	85	81	77	91	85	80	77		83	80	77			82	79	76			81
8	89	82	77	74	88	81	77	74		80	76	74			80	76	73			79
9	86	79	74	71	85	78	74	71		78	74	71			77	73	71			76
10	84	76	71	68	83	76	71	68		75	71	68			74	71	68			74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	572416
5°	514582
10°	468100
15°	427891
20°	313977
25°	155198
30°	33701
35°	6391
40°	1739
45°	783
50°	426
55°	401
60°	274
65°	324
70°	256
75°	169
80°	253
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	865.0	20.6
10°-20°	2028.1	48.4
20°-30°	1178.2	28.1
30°-40°	102.2	2.4
40°-50°	8.8	0.2
50°-60°	3.5	0.1
60°-70°	2.1	0.1
70°-80°	1.0	0.0
80°-90°	0.3	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°	4071.3	97.2
0°-40°	4173.5	99.6
0°-60°	4185.7	99.9
0°-90°	4189.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4189.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10442	
5°	9351	865
15°	7539	2028
25°	2566	1178
35°	96	102
45°	10	9
55°	4	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10441.7
2.5°	9895.9
5°	9351.0
7.5°	8856.2
10°	8409.1
12.5°	8016.5
15°	7539.4
17.5°	6743.2
20°	5382.0
22.5°	3898.6
25°	2565.8
27.5°	1340.3
30°	532.4
32.5°	276.3
35°	95.5
37.5°	39.3
40°	24.3
42.5°	15.0
45°	10.1
47.5°	6.7
50°	5.0
52.5°	4.2
55°	4.2
57.5°	3.4
60°	2.5
62.5°	2.5
65°	2.5
67.5°	1.6
70°	1.6
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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— 0°-180°

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(END OF REPORT)