

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: P1192217

Luminaire Tested: **LDA6A40935D010TE LARH40FL 6LAL1LI**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192217
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26664)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A40935D010TE LARH40FL 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

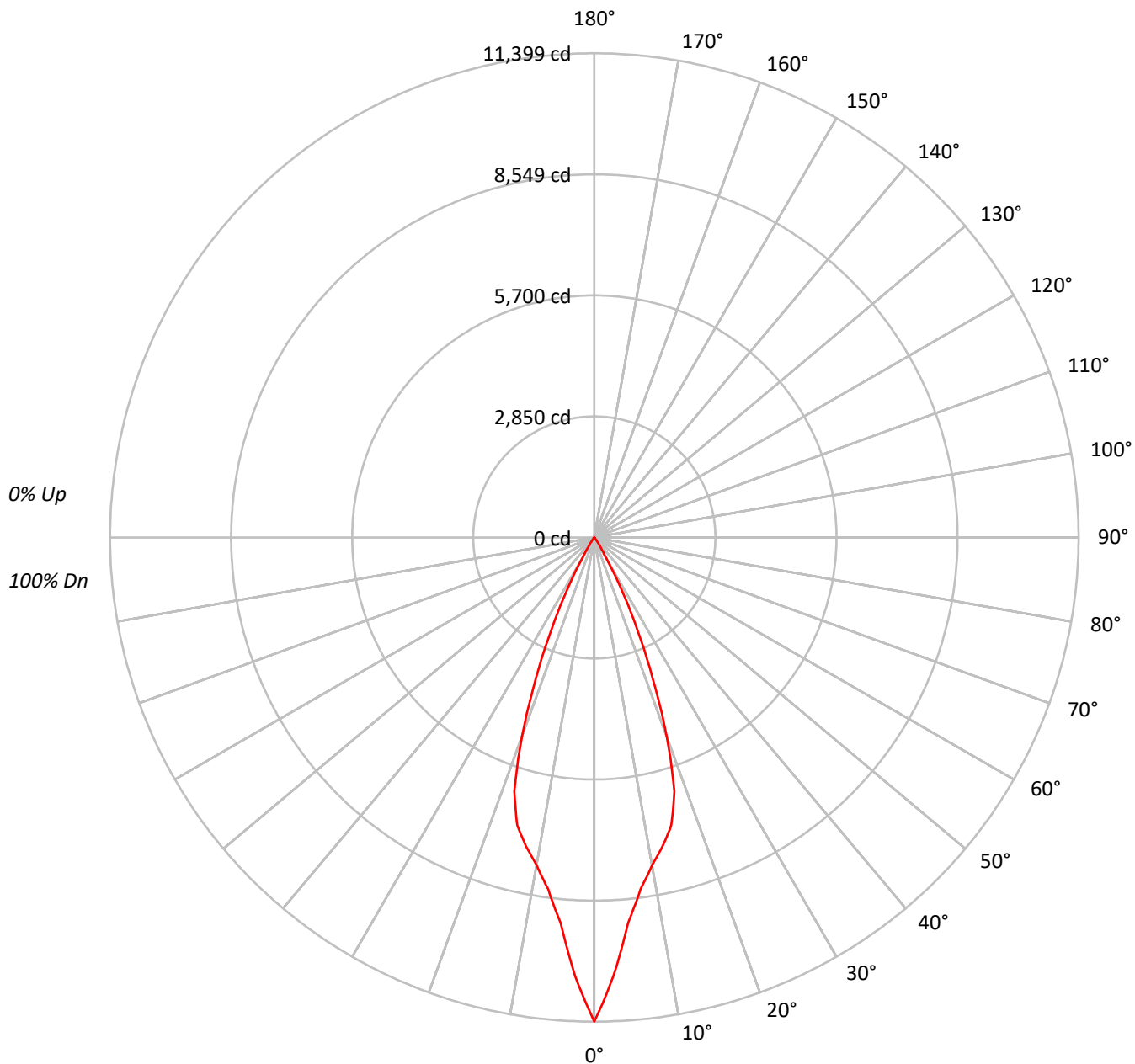
Lumens per Lamp: N/A
Luminaire Lumens: 3958.2 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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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	103			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			88	85	83			87
6	96	89	84	81	94	88	84	80		87	83	80			85	82	79			84
7	92	85	80	77	91	85	80	77		83	80	77			82	79	76			81
8	89	82	77	74	88	81	77	74		80	76	74			79	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°	624873
5°	501072
10°	435880
15°	397806
20°	290741
25°	142865
30°	35031
35°	7643
40°	1689
45°	674
50°	367
55°	583
60°	570
65°	454
70°	417
75°	360
80°	253
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	837.1	21.1
10°-20°	1883.7	47.6
20°-30°	1111.1	28.1
30°-40°	107.2	2.7
40°-50°	8.2	0.2
50°-60°	5.0	0.1
60°-70°	3.5	0.1
70°-80°	2.0	0.1
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°	3831.9	96.8
0°-40°	3939.1	99.5
0°-60°	3952.3	99.9
0°-90°	3958.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3958.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11399	
5°	9106	837
15°	7009	1884
25°	2362	1111
35°	114	107
45°	9	8
55°	6	5
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11398.6
2.5°	10335.2
5°	9105.5
7.5°	8349.0
10°	7830.3
12.5°	7439.8
15°	7009.3
17.5°	6264.1
20°	4983.7
22.5°	3595.3
25°	2361.9
27.5°	1393.7
30°	553.4
32.5°	281.5
35°	114.2
37.5°	38.4
40°	23.6
42.5°	14.8
45°	8.7
47.5°	6.1
50°	4.3
52.5°	5.2
55°	6.1
57.5°	6.1
60°	5.2
62.5°	4.3
65°	3.5
67.5°	2.6
70°	2.6
72.5°	2.6
75°	1.7
77.5°	1.7
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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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)