

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: P1192183

Luminaire Tested: **LDA6A40927D010TE LARH40FL 6LAL1LI**

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: P1192183
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: LDA6A40927D010TE LARH40FL 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

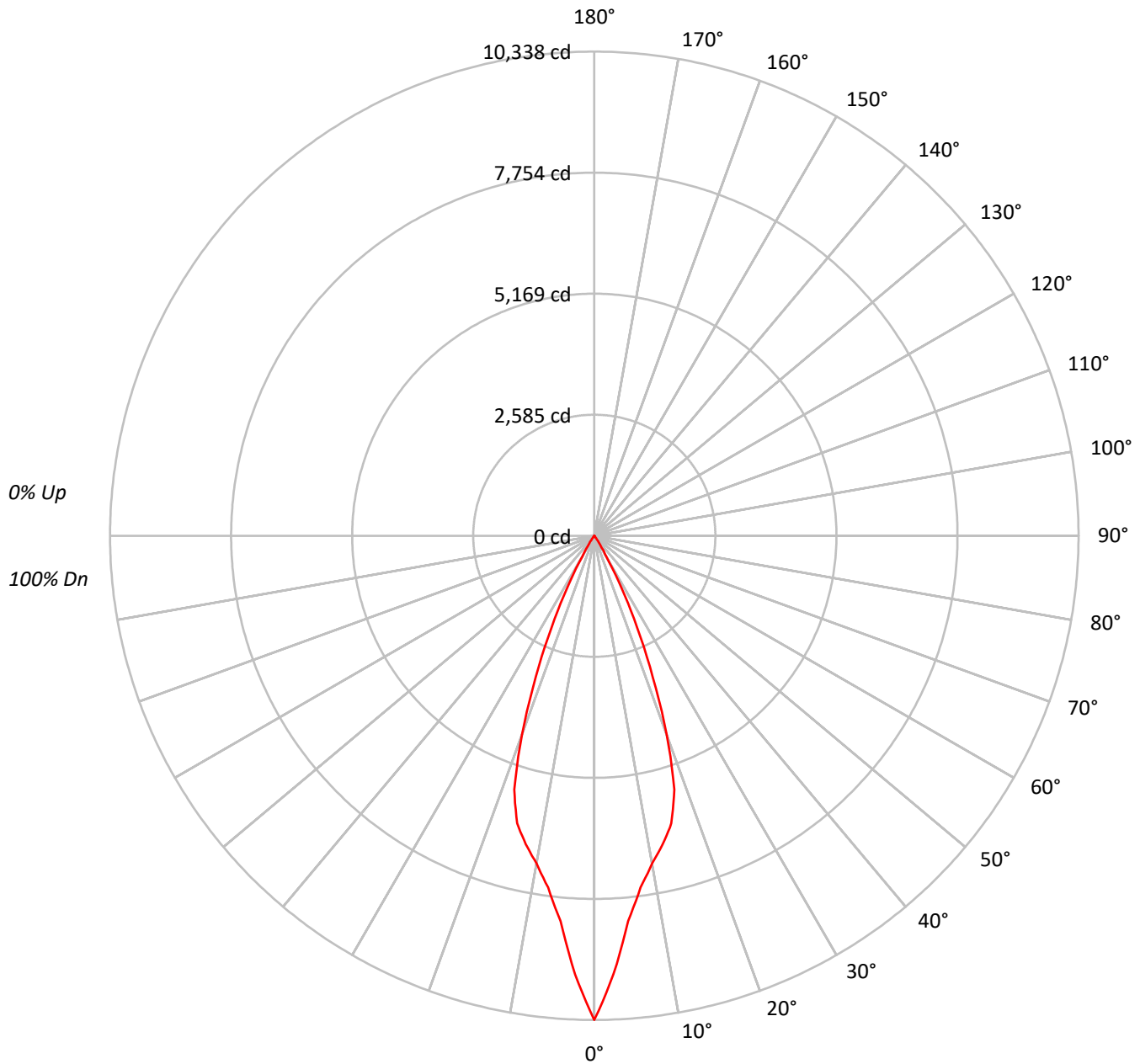
Lumens per Lamp: N/A
Luminaire Lumens: 3590.1 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96					96			
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92					92			
3	106	101	97	94	105	100	96	94	98	95	92	95	93	91	93	91	89	88					88			
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84					84			
5	99	93	88	85	98	92	87	84	90	86	84	88	85	83	87	84	82	81					81			
6	96	89	84	81	94	88	84	80	87	83	80	85	82	79	84	81	79	78					78			
7	92	85	80	77	91	85	80	77	83	80	77	82	79	76	81	78	76	75					75			
8	89	82	77	74	88	81	77	74	80	76	74	79	76	73	79	75	73	72					72			
9	86	79	74	71	85	78	74	71	78	74	71	77	73	71	76	73	70	69					69			
10	84	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67					67			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	566747
5°	454456
10°	395333
15°	360797
20°	263695
25°	129582
30°	31777
35°	6933
40°	1524
45°	612
50°	333
55°	535
60°	515
65°	415
70°	385
75°	318
80°	253
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	759.2	21.1
10°-20°	1708.5	47.6
20°-30°	1007.7	28.1
30°-40°	97.2	2.7
40°-50°	7.5	0.2
50°-60°	4.5	0.1
60°-70°	3.2	0.1
70°-80°	1.8	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°	3475.4	96.8
0°-40°	3572.7	99.5
0°-60°	3584.7	99.8
0°-90°	3590.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3590.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10338	
5°	8258	759
15°	6357	1709
25°	2142	1008
35°	104	97
45°	8	7
55°	6	5
65°	3	3
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10338.3
2.5°	9373.8
5°	8258.4
7.5°	7572.3
10°	7101.9
12.5°	6747.8
15°	6357.2
17.5°	5681.4
20°	4520.1
22.5°	3260.8
25°	2142.3
27.5°	1264.0
30°	502.0
32.5°	255.3
35°	103.6
37.5°	34.8
40°	21.3
42.5°	13.5
45°	7.9
47.5°	5.6
50°	3.9
52.5°	4.7
55°	5.6
57.5°	5.6
60°	4.7
62.5°	3.9
65°	3.2
67.5°	2.4
70°	2.4
72.5°	2.4
75°	1.5
77.5°	1.5
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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Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)