

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: P1192778

Luminaire Tested: **LDA6A75927D010TE 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: P1192778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26680)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A75927D010TE 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

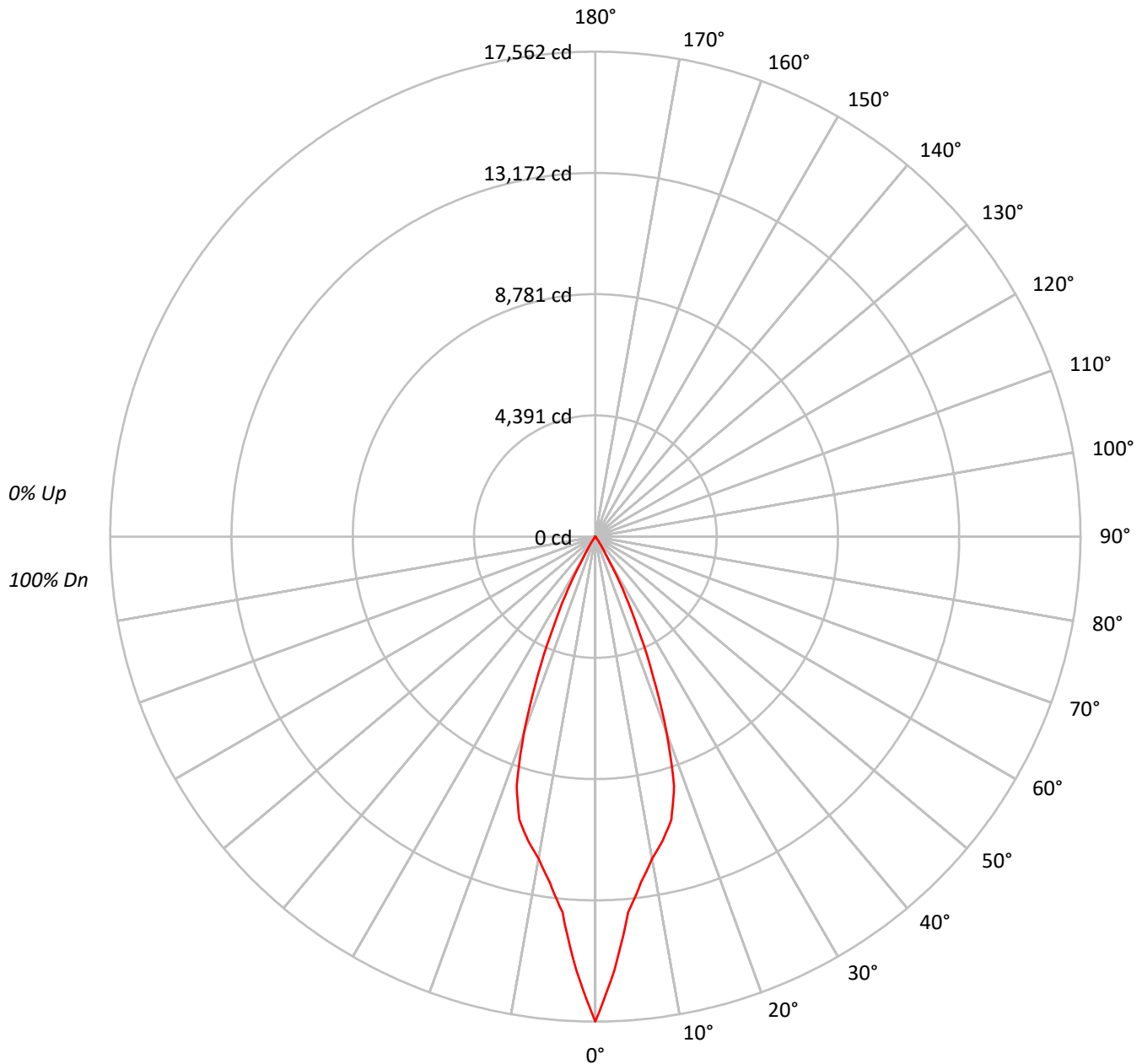
Lumens per Lamp: N/A
Luminaire Lumens: 5988.9 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 86.9
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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	115	112	110	108		112	110	108	107		106	105	103			103	101	100			96
2	110	107	103	101		108	105	102	99		102	99	97			99	97	95			92
3	106	101	97	94		105	100	96	94		98	95	92			95	93	91			88
4	103	97	92	89		101	96	92	89		94	90	88			92	89	87			84
5	99	93	88	85		98	92	87	84		90	86	84			88	85	83			81
6	96	89	84	81		94	88	84	80		87	83	80			85	82	79			78
7	92	85	80	77		91	85	80	77		83	79	77			82	79	76			75
8	89	82	77	74		88	81	77	74		80	76	74			79	76	73			72
9	86	79	74	71		85	78	74	71		78	74	71			77	73	71			69
10	83	76	71	68		83	76	71	68		75	71	68			74	71	68			67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	962779
5°	751704
10°	659223
15°	602484
20°	440070
25°	214742
30°	52413
35°	11979
40°	2583
45°	1171
50°	597
55°	889
60°	888
65°	739
70°	545
75°	487
80°	347
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1265.5	21.1
10°-20°	2850.7	47.6
20°-30°	1679.3	28.0
30°-40°	163.9	2.7
40°-50°	13.1	0.2
50°-60°	7.4	0.1
60°-70°	5.7	0.1
70°-80°	2.7	0.0
80°-90°	0.4	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°	5795.6	96.8
0°-40°	5959.5	99.5
0°-60°	5980.0	99.9
0°-90°	5988.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5988.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17562	
5°	13660	###
15°	10616	2851
25°	3550	1679
35°	179	164
45°	15	13
55°	9	7
65°	6	6
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17562.5
2.5°	15719.4
5°	13660.0
7.5°	12632.1
10°	11842.5
12.5°	11268.1
15°	10615.7
17.5°	9467.9
20°	7543.4
22.5°	5441.0
25°	3550.2
27.5°	2118.8
30°	828.0
32.5°	433.7
35°	179.0
37.5°	59.4
40°	36.1
42.5°	23.3
45°	15.1
47.5°	9.3
50°	7.0
52.5°	8.1
55°	9.3
57.5°	8.1
60°	8.1
62.5°	7.0
65°	5.7
67.5°	4.7
70°	3.4
72.5°	3.4
75°	2.3
77.5°	2.3
80°	1.1
82.5°	1.1
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)