

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: P1192847

Luminaire Tested: **LDA6A75950D010TE LARH40FL 6LFC1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26683)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A75950D010TE LARH40FL 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

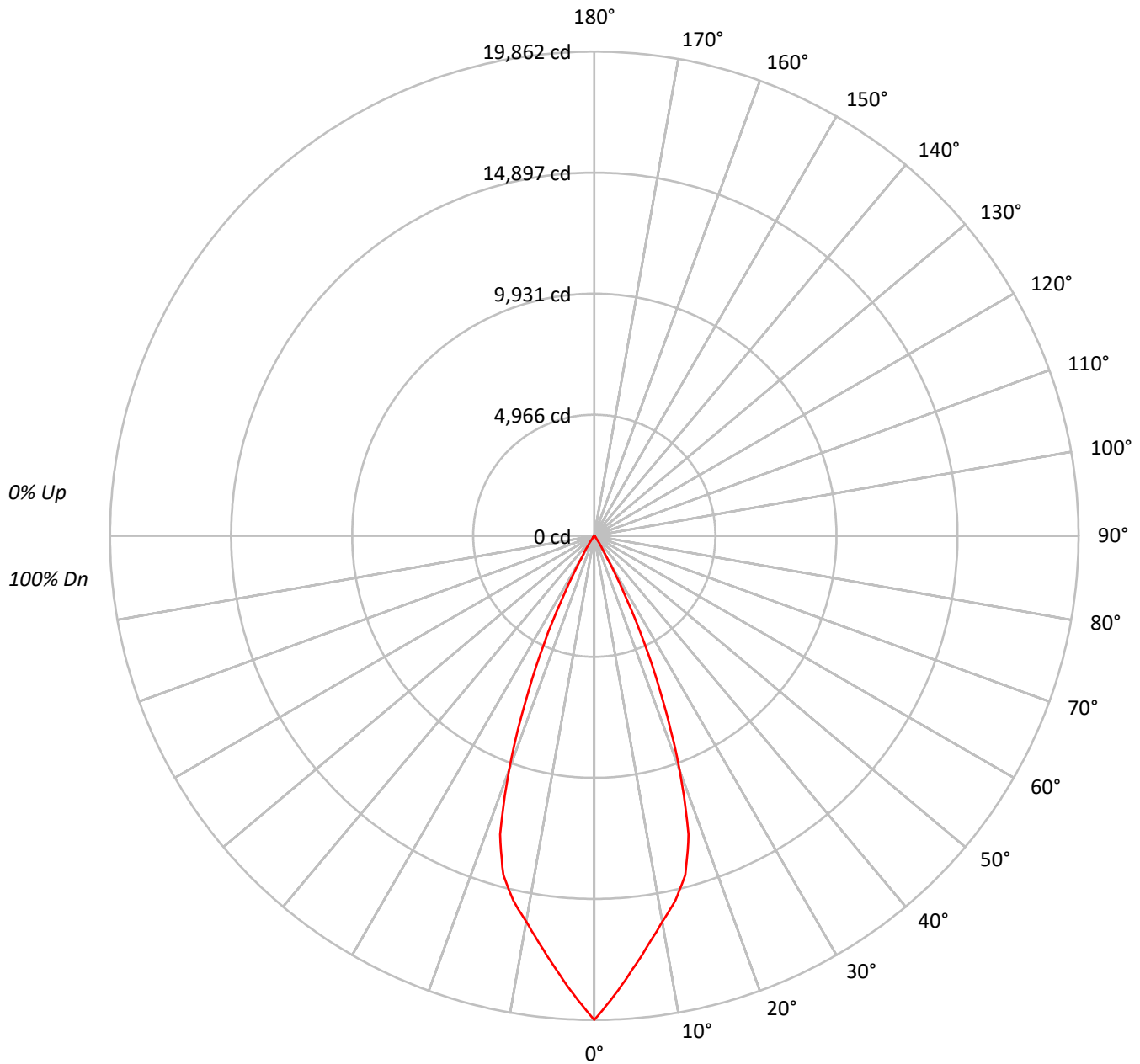
Lumens per Lamp: N/A
Luminaire Lumens: 7978.3 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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



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		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	104		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	97	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	88	84	90	86	84		89	85	83		81
6	96	89	84	81	94	88	84	81	87	83	80		85	82	80		78
7	92	85	81	77	91	85	80	77	83	80	77		82	79	76		75
8	89	82	77	74	88	81	77	74	80	77	74		80	76	73		72
9	86	79	74	71	85	78	74	71	78	74	71		77	73	71		69
10	84	76	72	69	83	76	71	68	75	71	68		74	71	68		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1088827
5°	983103
10°	894639
15°	817820
20°	596866
25°	293963
30°	63693
35°	12106
40°	3235
45°	1427
50°	844
55°	679
60°	614
65°	545
70°	433
75°	318
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1652.4	20.7
10°-20°	3870.9	48.5
20°-30°	2233.0	28.0
30°-40°	194.2	2.4
40°-50°	16.2	0.2
50°-60°	6.4	0.1
60°-70°	3.8	0.0
70°-80°	1.5	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°	7756.2	97.2
0°-40°	7950.4	99.6
0°-60°	7973.0	99.9
0°-90°	7978.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7978.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19862	
5°	17865	###
15°	14410	3871
25°	4860	2233
35°	181	194
45°	18	16
55°	7	6
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19861.8
2.5°	18865.6
5°	17865.0
7.5°	16929.5
10°	16071.6
12.5°	15332.6
15°	14409.9
17.5°	12845.5
20°	10231.1
22.5°	7406.4
25°	4859.9
27.5°	2518.2
30°	1006.2
32.5°	528.5
35°	180.9
37.5°	74.9
40°	45.2
42.5°	28.3
45°	18.4
47.5°	11.3
50°	9.9
52.5°	8.4
55°	7.1
57.5°	5.6
60°	5.6
62.5°	4.2
65°	4.2
67.5°	2.7
70°	2.7
72.5°	1.5
75°	1.5
77.5°	1.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)