

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: P1192762

Luminaire Tested: **LDA6A70950D010TE LARH40FL 6LFC1H**

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: P1192762
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: LDA6A70950D010TE 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

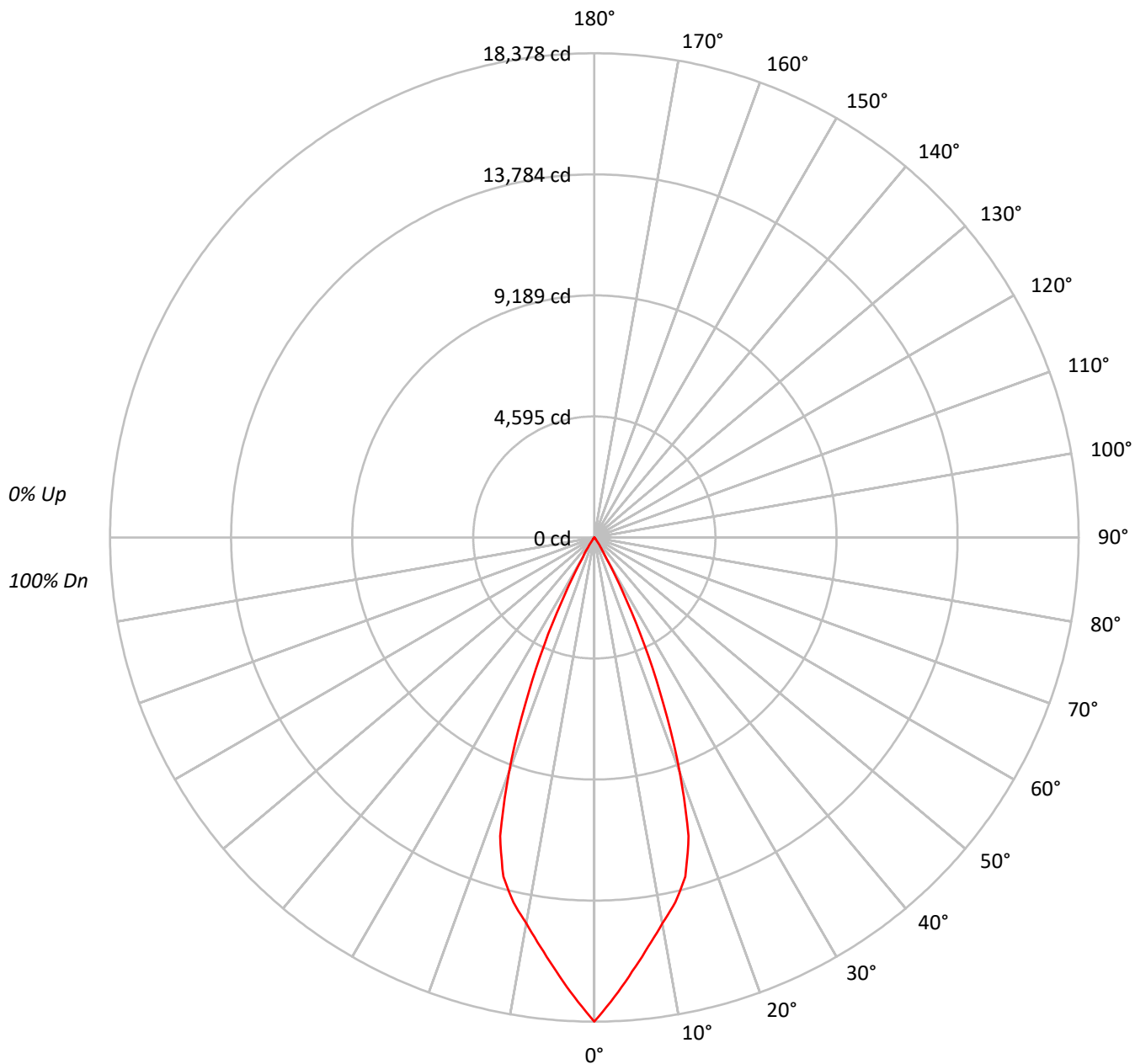
Lumens per Lamp: N/A
Luminaire Lumens: 7382.5 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78.1
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	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°	1007507
5°	909677
10°	827829
15°	756741
20°	552290
25°	272012
30°	58939
35°	11196
40°	2998
45°	1326
50°	785
55°	631
60°	570
65°	493
70°	401
75°	297
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1529.0	20.7
10°-20°	3581.8	48.5
20°-30°	2066.2	28.0
30°-40°	179.7	2.4
40°-50°	15.0	0.2
50°-60°	6.0	0.1
60°-70°	3.4	0.0
70°-80°	1.4	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°	7177.0	97.2
0°-40°	7356.6	99.6
0°-60°	7377.6	99.9
0°-90°	7382.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7382.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18378	
5°	16531	###
15°	13334	3582
25°	4497	2066
35°	167	180
45°	17	15
55°	7	6
65°	4	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18378.4
2.5°	17456.6
5°	16530.7
7.5°	15665.2
10°	14871.4
12.5°	14187.5
15°	13333.7
17.5°	11886.1
20°	9467.0
22.5°	6853.2
25°	4497.0
27.5°	2330.1
30°	931.1
32.5°	489.0
35°	167.3
37.5°	69.3
40°	41.9
42.5°	26.2
45°	17.1
47.5°	10.5
50°	9.2
52.5°	7.8
55°	6.6
57.5°	5.2
60°	5.2
62.5°	3.8
65°	3.8
67.5°	2.5
70°	2.5
72.5°	1.4
75°	1.4
77.5°	1.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

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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)