

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: P1192694

Luminaire Tested: **LDA6A70927D010TE LARH40FL 6LFC1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192694
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: LDA6A70927D010TE LARH40FL 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

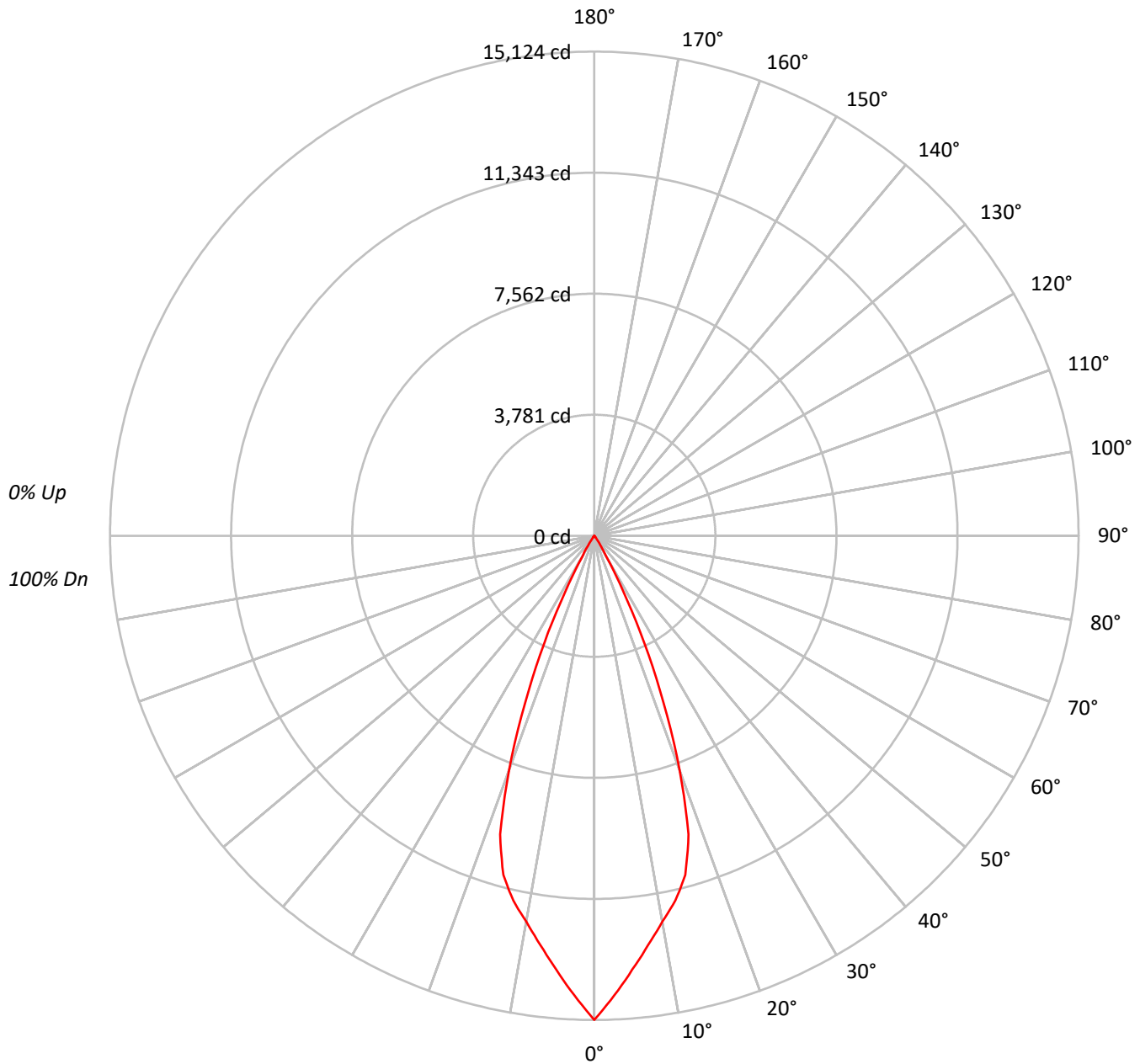
Lumens per Lamp: N/A
Luminaire Lumens: 6075.4 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1192694

CATALOG NUMBER: LDA6A70927D010TE LARH40FL 6LFC1H

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1192694

CATALOG NUMBER: LDA6A70927D010TE LARH40FL 6LFC1H

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	104		103	101	100		99
2	110	107	103	101	108	105	102	99	102	99	97		99	97	95		96
3	106	101	98	94	105	100	97	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	88	84	90	86	84		89	85	83		87
6	96	89	84	81	94	88	84	81	87	83	80		85	82	80		84
7	92	85	81	77	91	85	80	77	83	80	77		82	79	76		81
8	89	82	77	74	88	81	77	74	80	77	74		80	76	73		79
9	86	79	74	71	85	78	74	71	78	74	71		77	73	71		76
10	84	76	72	69	83	76	71	68	75	71	68		74	71	68		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	829128
5°	748622
10°	681267
15°	622756
20°	454509
25°	223846
30°	48495
35°	9222
40°	2462
45°	1078
50°	640
55°	507
60°	471
65°	415
70°	353
75°	212
80°	0
85°	0



TEST NUMBER: P1192694

CATALOG NUMBER: LDA6A70927D010TE LARH40FL 6LFC1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1258.3	20.7
10°-20°	2947.6	48.5
20°-30°	1700.4	28.0
30°-40°	147.9	2.4
40°-50°	12.3	0.2
50°-60°	4.9	0.1
60°-70°	2.9	0.0
70°-80°	1.1	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°	5906.3	97.2
0°-40°	6054.2	99.7
0°-60°	6071.4	99.9
0°-90°	6075.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6075.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15124	
5°	13604	###
15°	10973	2948
25°	3701	1700
35°	138	148
45°	14	12
55°	5	5
65°	3	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1192694

CATALOG NUMBER: LDA6A70927D010TE LARH40FL 6LFC1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	15124.5
2.5°	14365.8
5°	13604.0
7.5°	12891.6
10°	12238.5
12.5°	11675.7
15°	10972.9
17.5°	9781.7
20°	7790.9
22.5°	5639.8
25°	3700.7
27.5°	1917.7
30°	766.1
32.5°	402.5
35°	137.8
37.5°	57.1
40°	34.4
42.5°	21.6
45°	13.9
47.5°	8.6
50°	7.5
52.5°	6.5
55°	5.3
57.5°	4.3
60°	4.3
62.5°	3.2
65°	3.2
67.5°	2.2
70°	2.2
72.5°	1.0
75°	1.0
77.5°	1.0
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

Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)