

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: P1192744

Luminaire Tested: **LDA6A70940D010TE 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: P1192744
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: LDA6A70940D010TE LARH40FL 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

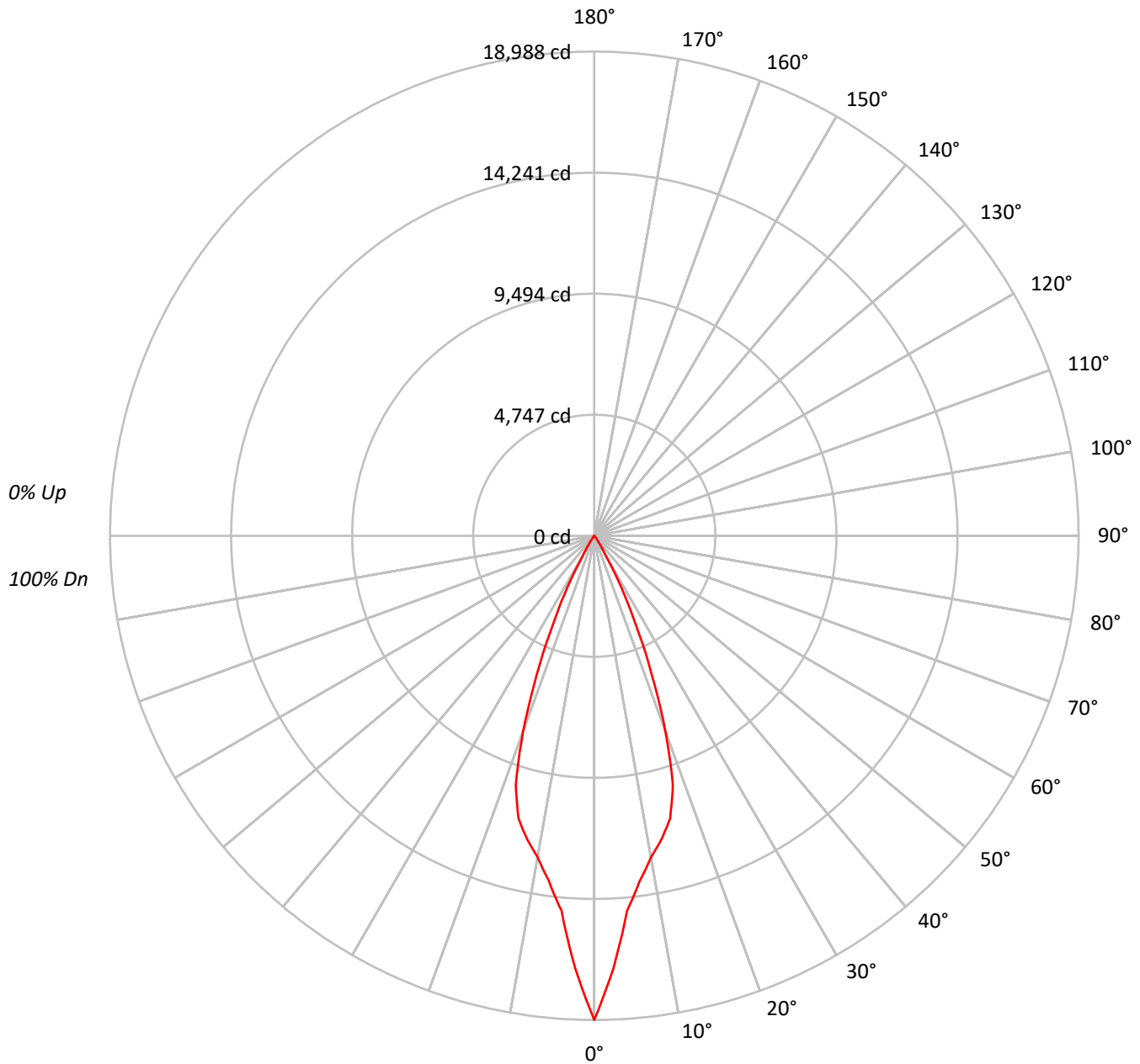
Lumens per Lamp: N/A
Luminaire Lumens: 6474.9 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1192744

CATALOG NUMBER: LDA6A70940D010TE LARH40FL 6LAL1LI

Luminous Intensity Polar Plot





TEST NUMBER: P1192744

CATALOG NUMBER: LDA6A70940D010TE LARH40FL 6LAL1LI

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1040903
5°	812699
10°	712707
15°	651372
20°	475779
25°	232163
30°	56661
35°	12950
40°	2791
45°	1271
50°	640
55°	965
60°	965
65°	817
70°	593
75°	508
80°	410
85°	0



TEST NUMBER: P1192744

CATALOG NUMBER: LDA6A70940D010TE LARH40FL 6LAL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1368.2	21.1
10°-20°	3082.0	47.6
20°-30°	1815.6	28.0
30°-40°	177.2	2.7
40°-50°	14.2	0.2
50°-60°	8.0	0.1
60°-70°	6.2	0.1
70°-80°	2.9	0.0
80°-90°	0.5	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°	6265.9	96.8
0°-40°	6443.0	99.5
0°-60°	6465.2	99.9
0°-90°	6474.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6474.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18988	
5°	14768	###
15°	11477	3082
25°	3838	1816
35°	194	177
45°	16	14
55°	10	8
65°	6	6
75°	2	3
85°	0	1
90°	0	



TEST NUMBER: P1192744

CATALOG NUMBER: LDA6A70940D010TE LARH40FL 6LAL1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	18987.6
2.5°	16995.0
5°	14768.4
7.5°	13657.0
10°	12803.3
12.5°	12182.3
15°	11477.1
17.5°	10236.1
20°	8155.5
22.5°	5882.4
25°	3838.2
27.5°	2290.7
30°	895.1
32.5°	468.9
35°	193.5
37.5°	64.1
40°	39.0
42.5°	25.2
45°	16.4
47.5°	10.1
50°	7.5
52.5°	8.8
55°	10.1
57.5°	8.8
60°	8.8
62.5°	7.5
65°	6.3
67.5°	5.0
70°	3.7
72.5°	3.7
75°	2.4
77.5°	2.4
80°	1.3
82.5°	1.3
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)