

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: P1192721

Luminaire Tested: **LDA6A70935D010TE LARH30NF 6LAL1LI**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26679)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A70935D010TE LARH30NF 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 30° Narrow Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

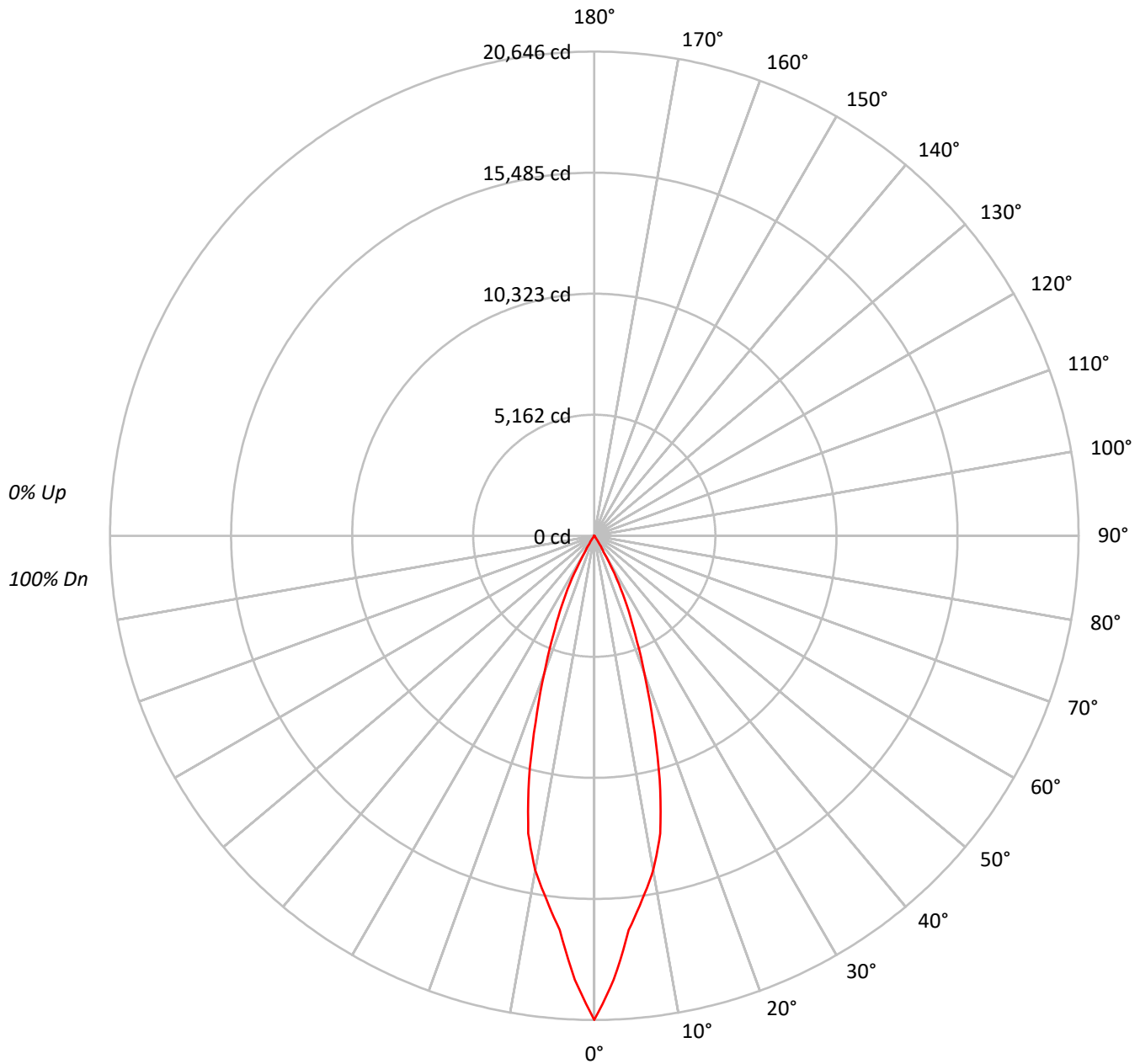
Lumens per Lamp: N/A
Luminaire Lumens: 6069.4 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.51
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P1192721

CATALOG NUMBER: LDA6A70935D010TE LARH30NF 6LAL1LI

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1192721

CATALOG NUMBER: LDA6A70935D010TE LARH30NF 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	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	94	92		94
4	103	98	93	90	102	97	93	90	95	91	89		93	90	88		91
5	100	94	89	86	99	93	89	86	91	88	85		90	87	84		88
6	97	90	86	82	95	89	85	82	88	84	82		87	84	81		86
7	94	87	82	79	93	86	82	79	85	81	79		84	81	78		83
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80
9	88	81	76	73	87	80	76	73	80	76	73		79	75	73		78
10	85	78	74	71	84	78	74	71	77	73	71		76	73	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1131790
5°	928613
10°	806097
15°	610560
20°	362865
25°	197667
30°	51058
35°	4772
40°	2025
45°	1047
50°	529
55°	822
60°	800
65°	636
70°	593
75°	508
80°	410
85°	0



TEST NUMBER: P1192721

CATALOG NUMBER: LDA6A70935D010TE LARH30NF 6LAL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1552.8	25.6
10°-20°	2881.2	47.5
20°-30°	1478.6	24.4
30°-40°	129.9	2.1
40°-50°	11.4	0.2
50°-60°	7.0	0.1
60°-70°	5.0	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°	5912.6	97.4
0°-40°	6042.5	99.6
0°-60°	6061.0	99.9
0°-90°	6069.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6069.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20646	
5°	16875	###
15°	10758	2881
25°	3268	1479
35°	71	130
45°	14	11
55°	9	7
65°	5	5
75°	2	3
85°	0	1
90°	0	



TEST NUMBER: P1192721

CATALOG NUMBER: LDA6A70935D010TE LARH30NF 6LAL1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	20645.5
2.5°	18947.6
5°	16874.8
7.5°	15641.6
10°	14481.0
12.5°	13001.9
15°	10758.0
17.5°	8318.8
20°	6220.0
22.5°	4543.0
25°	3267.9
27.5°	2065.5
30°	806.6
32.5°	354.0
35°	71.3
37.5°	40.6
40°	28.3
42.5°	19.7
45°	13.5
47.5°	9.8
50°	6.2
52.5°	7.3
55°	8.6
57.5°	8.6
60°	7.3
62.5°	6.2
65°	4.9
67.5°	3.7
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)