

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: P1192368

Luminaire Tested: **LDA6A50930D010TE LARH40FL 6LA1LI**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192368
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26661)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A50930D010TE LARH40FL 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

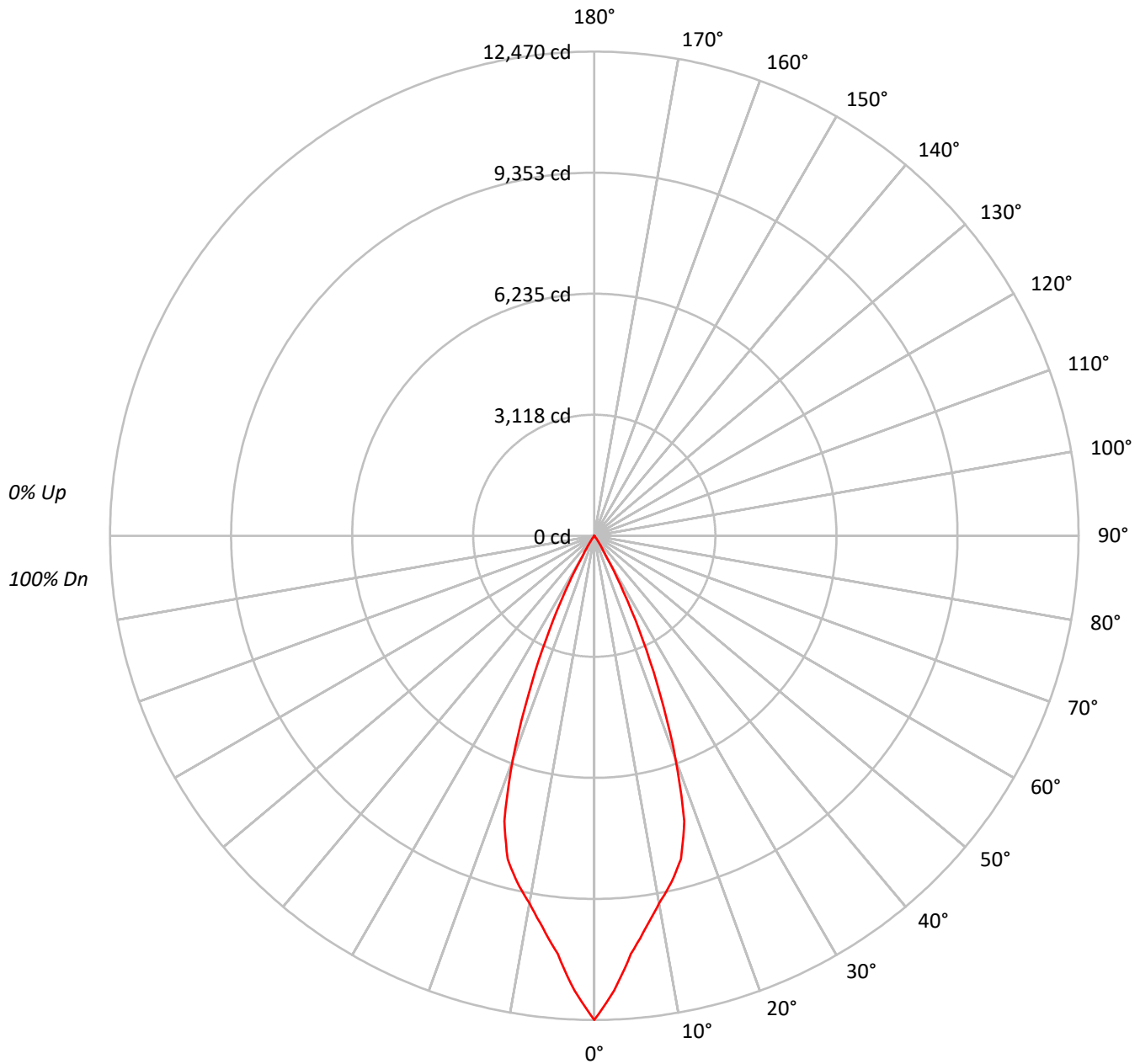
Lumens per Lamp: N/A
Luminaire Lumens: 4795.0 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 57.4
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: P1192368

CATALOG NUMBER: LDA6A50930D010TE LARH40FL 6LA1LI

Luminous Intensity Polar Plot





TEST NUMBER: P1192368

CATALOG NUMBER: LDA6A50930D010TE LARH40FL 6LA1LI

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	112	110	109		112	110	108	107		106	105	104		103	101	100		99	98	98
2	110	107	103	101		108	105	102	100		102	99	97		99	97	95		96	95	93
3	107	101	98	94		105	100	97	94		98	95	92		95	93	91		93	91	89
4	103	97	93	89		101	96	92	89		94	90	88		92	89	87		90	88	86
5	99	93	88	85		98	92	88	84		90	87	84		89	86	83		87	85	82
6	96	89	84	81		94	88	84	81		87	83	80		85	82	80		84	81	79
7	92	85	81	77		91	85	80	77		84	80	77		82	79	76		81	78	76
8	89	82	77	74		88	82	77	74		81	77	74		80	76	74		79	76	73
9	86	79	74	71		86	79	74	71		78	74	71		77	73	71		76	73	71
10	84	76	72	69		83	76	71	69		75	71	68		74	71	68		74	70	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	683624
5°	595040
10°	535038
15°	489174
20°	357393
25°	177313
30°	39177
35°	7602
40°	1367
45°	372
50°	162
55°	86
60°	99
65°	117
70°	144
75°	191
80°	0
85°	0



TEST NUMBER: P1192368

CATALOG NUMBER: LDA6A50930D010TE LARH40FL 6LA1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1000.2	20.9
10°-20°	2315.9	48.3
20°-30°	1354.9	28.3
30°-40°	116.3	2.4
40°-50°	5.4	0.1
50°-60°	0.9	0.0
60°-70°	0.9	0.0
70°-80°	0.6	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°	4671.0	97.4
0°-40°	4787.3	99.8
0°-60°	4793.6	100.0
0°-90°	4795.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4795.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12470	
5°	10813	###
15°	8619	2316
25°	2931	1355
35°	114	116
45°	5	5
55°	1	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1192368

CATALOG NUMBER: LDA6A50930D010TE LARH40FL 6LA1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	12470.3
2.5°	11725.2
5°	10813.1
7.5°	10177.0
10°	9611.6
12.5°	9151.1
15°	8619.2
17.5°	7702.2
20°	6126.2
22.5°	4431.8
25°	2931.4
27.5°	1622.8
30°	618.9
32.5°	317.1
35°	113.6
37.5°	36.3
40°	19.1
42.5°	10.6
45°	4.8
47.5°	2.8
50°	1.9
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.0
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)