

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: P1192200

Luminaire Tested: **LDA6A40930D010TE 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: P1192200
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26664)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A40930D010TE LARH40FL 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

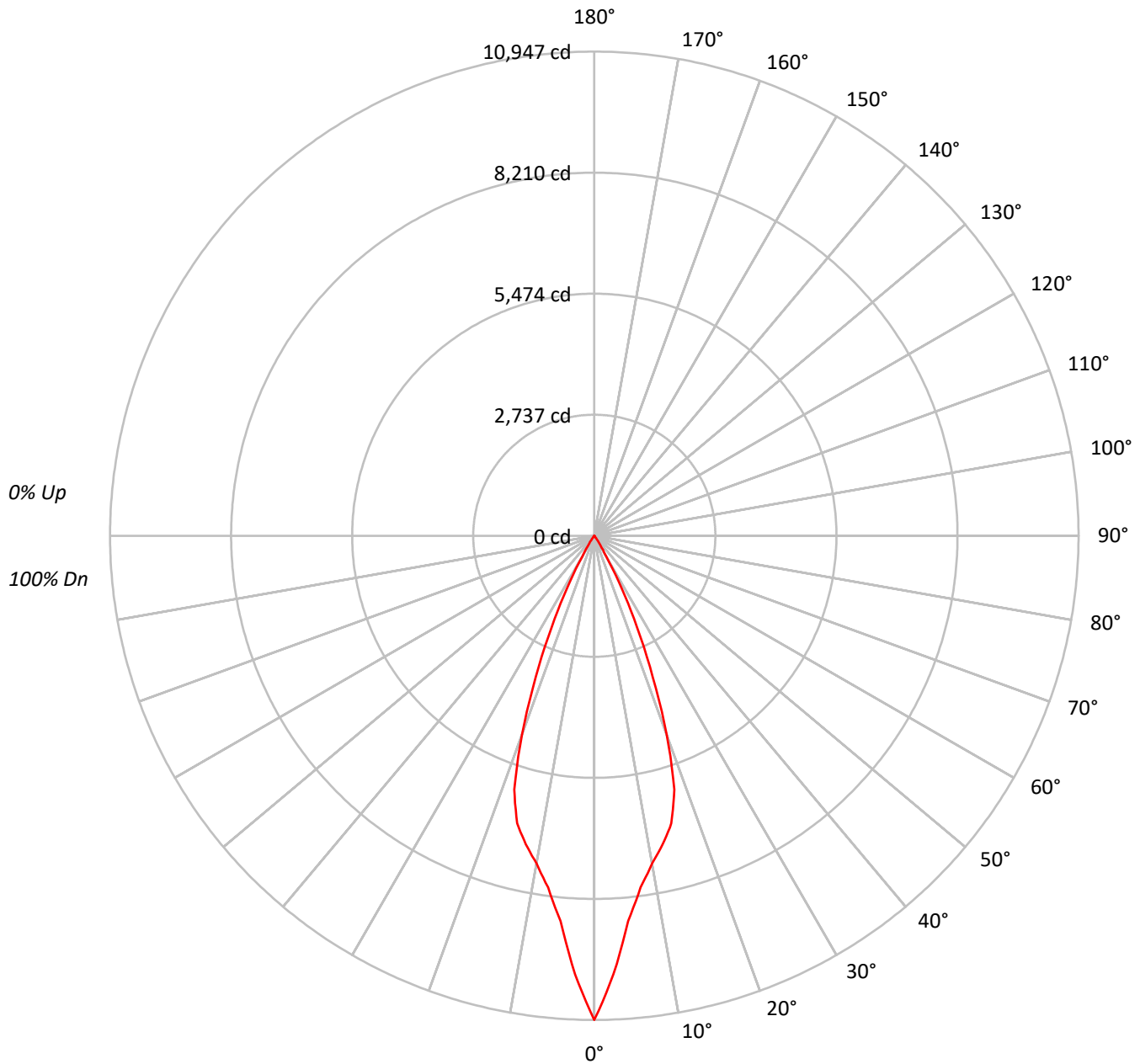
Lumens per Lamp: N/A
Luminaire Lumens: 3801.5 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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: P1192200

CATALOG NUMBER: LDA6A40930D010TE LARH40FL 6LAL1LI

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1192200

CATALOG NUMBER: LDA6A40930D010TE 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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96		
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92		
3	106	101	97	94	105	100	96	94	98	95	92	95	93	91	93	91	89	88		
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84		
5	99	93	88	85	98	92	87	84	90	86	84	88	85	83	87	84	82	81		
6	96	89	84	81	94	88	84	80	87	83	80	85	82	79	84	81	79	78		
7	92	85	80	77	91	85	80	77	83	80	77	82	79	76	81	78	76	75		
8	89	82	77	74	88	81	77	74	80	76	74	79	76	73	79	75	73	72		
9	86	79	74	71	85	78	74	71	78	74	71	77	73	71	76	73	70	69		
10	84	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	600138
5°	481234
10°	418630
15°	382062
20°	279231
25°	137216
30°	33644
35°	7341
40°	1617
45°	643
50°	358
55°	564
60°	548
65°	441
70°	401
75°	339
80°	253
85°	0



TEST NUMBER: P1192200

CATALOG NUMBER: LDA6A40930D010TE LARH40FL 6LAL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	803.9	21.1
10°-20°	1809.2	47.6
20°-30°	1067.1	28.1
30°-40°	102.9	2.7
40°-50°	7.9	0.2
50°-60°	4.8	0.1
60°-70°	3.4	0.1
70°-80°	1.9	0.1
80°-90°	0.3	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°	3680.2	96.8
0°-40°	3783.2	99.5
0°-60°	3795.9	99.9
0°-90°	3801.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3801.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10947	
5°	8745	804
15°	6732	1809
25°	2268	1067
35°	110	103
45°	8	8
55°	6	5
65°	3	3
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P1192200

CATALOG NUMBER: LDA6A40930D010TE LARH40FL 6LAL1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	10947.4
2.5°	9926.1
5°	8745.0
7.5°	8018.4
10°	7520.4
12.5°	7145.4
15°	6731.9
17.5°	6016.1
20°	4786.4
22.5°	3453.0
25°	2268.5
27.5°	1338.5
30°	531.5
32.5°	270.3
35°	109.7
37.5°	36.8
40°	22.6
42.5°	14.2
45°	8.3
47.5°	5.9
50°	4.2
52.5°	5.0
55°	5.9
57.5°	5.9
60°	5.0
62.5°	4.2
65°	3.4
67.5°	2.5
70°	2.5
72.5°	2.5
75°	1.6
77.5°	1.6
80°	0.8
82.5°	0.8
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)