

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: P1192198

Luminaire Tested: **LDA6A40930D010TE LARH40FL 6LA1LI**

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: P1192198
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: LDA6A40930D010TE 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

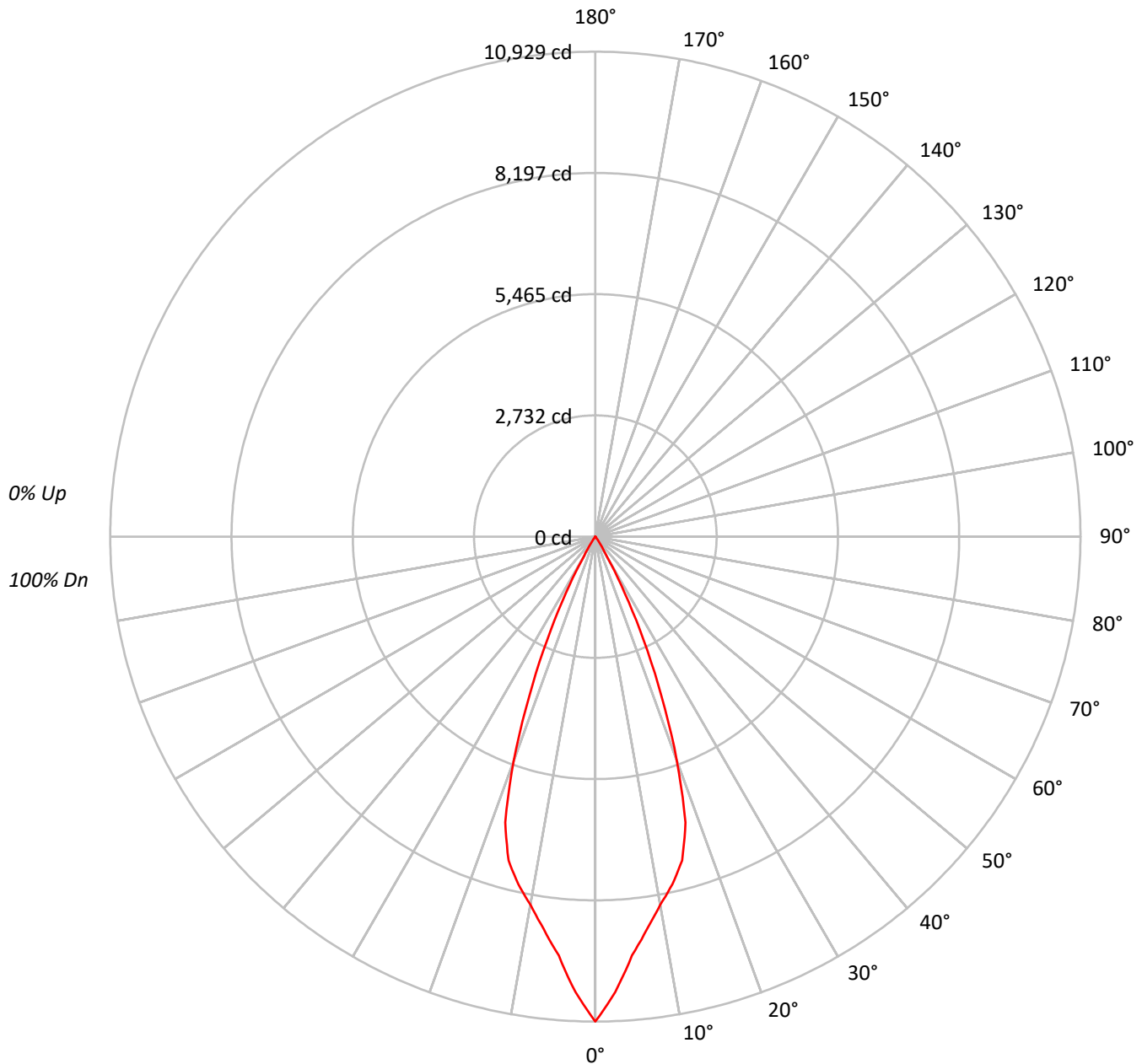
Lumens per Lamp: N/A
Luminaire Lumens: 4202.6 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1192198

CATALOG NUMBER: LDA6A40930D010TE LARH40FL 6LA1LI

Luminous Intensity Polar Plot





TEST NUMBER: P1192198

CATALOG NUMBER: LDA6A40930D010TE LARH40FL 6LA1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20							
RC	80				70				50				30				10				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	115	112	110	109	112	110	108	107	106	105	104	103	101	100	99	98	98	96						
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92						
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88						
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85						
5	99	93	88	85	98	92	88	84	90	87	84	89	86	83	87	85	82	81						
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78						
7	92	85	81	77	91	85	80	77	84	80	77	82	79	76	81	78	76	75						
8	89	82	77	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72						
9	86	79	74	71	86	79	74	71	78	74	71	77	73	71	76	73	71	70						
10	84	76	72	69	83	76	71	69	75	71	68	74	71	68	74	70	68	67						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	599146
5°	521510
10°	468924
15°	428726
20°	313231
25°	155398
30°	34334
35°	6666
40°	1202
45°	326
50°	136
55°	76
60°	88
65°	104
70°	128
75°	169
80°	0
85°	0



TEST NUMBER: P1192198

CATALOG NUMBER: LDA6A40930D010TE LARH40FL 6LA1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	876.6	20.9
10°-20°	2029.7	48.3
20°-30°	1187.4	28.3
30°-40°	101.9	2.4
40°-50°	4.7	0.1
50°-60°	0.8	0.0
60°-70°	0.8	0.0
70°-80°	0.5	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°	4093.8	97.4
0°-40°	4195.7	99.8
0°-60°	4201.2	100.0
0°-90°	4202.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4202.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10929	
5°	9477	877
15°	7554	2030
25°	2569	1187
35°	100	102
45°	4	5
55°	1	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1192198

CATALOG NUMBER: LDA6A40930D010TE LARH40FL 6LA1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	10929.3
2.5°	10276.3
5°	9476.9
7.5°	8919.4
10°	8423.9
12.5°	8020.3
15°	7554.1
17.5°	6750.4
20°	5369.2
22.5°	3884.2
25°	2569.1
27.5°	1422.3
30°	542.4
32.5°	277.9
35°	99.6
37.5°	31.8
40°	16.8
42.5°	9.3
45°	4.2
47.5°	2.5
50°	1.6
52.5°	0.8
55°	0.8
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
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)