

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: P1192229

Luminaire Tested: **LDA6A40940D010TE LARH30NF 6LFC1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192229
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26666)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A40940D010TE LARH30NF 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 30° Narrow Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

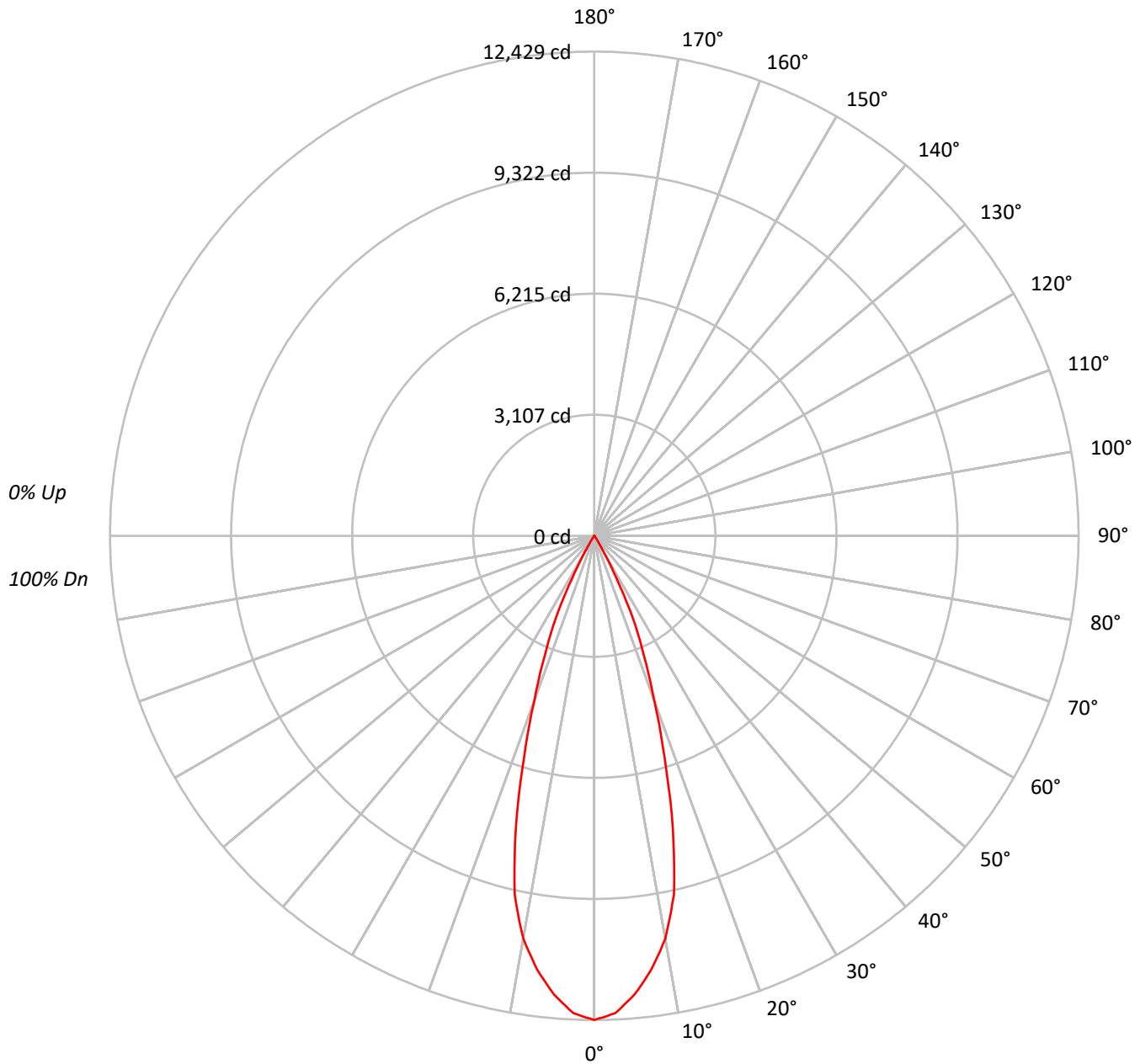
Lumens per Lamp: N/A
Luminaire Lumens: 4299.4 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.55
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P1192229

CATALOG NUMBER: LDA6A40940D010TE LARH30NF 6LFC1H

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1192229

CATALOG NUMBER: LDA6A40940D010TE LARH30NF 6LFC1H

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	103	100	102	100	98		99	98	96		97
3	107	102	98	95	105	101	97	95	98	95	93		96	94	92		94
4	103	98	94	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	83	96	89	85	82	88	85	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	79	76		81	78	76		81
9	88	81	77	74	87	81	76	74	80	76	73		79	76	73		78
10	85	78	74	71	85	78	74	71	77	73	71		77	73	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	681382
5°	650653
10°	584503
15°	442210
20°	262686
25°	143307
30°	32435
35°	3032
40°	1295
45°	628
50°	469
55°	344
60°	296
65°	246
70°	144
75°	191
80°	0
85°	0



TEST NUMBER: P1192229

CATALOG NUMBER: LDA6A40940D010TE LARH30NF 6LFC1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1087.0	25.3
10°-20°	2086.6	48.5
20°-30°	1033.8	24.0
30°-40°	78.5	1.8
40°-50°	7.2	0.2
50°-60°	3.5	0.1
60°-70°	2.0	0.0
70°-80°	0.8	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°	4207.3	97.9
0°-40°	4285.8	99.7
0°-60°	4296.5	99.9
0°-90°	4299.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4299.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12429	
5°	11824	###
15°	7792	2087
25°	2369	1034
35°	45	78
45°	8	7
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P1192229

CATALOG NUMBER: LDA6A40940D010TE LARH30NF 6LFC1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	12429.4
2.5°	12268.2
5°	11823.7
7.5°	11231.7
10°	10500.2
12.5°	9433.0
15°	7791.7
17.5°	6008.3
20°	4502.8
22.5°	3316.0
25°	2369.2
27.5°	1217.5
30°	512.4
32.5°	195.6
35°	45.3
37.5°	27.2
40°	18.1
42.5°	11.7
45°	8.1
47.5°	6.4
50°	5.5
52.5°	4.5
55°	3.6
57.5°	3.6
60°	2.7
62.5°	2.7
65°	1.9
67.5°	1.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
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)