

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: P1192415

Luminaire Tested: **LDA6A50950D010TE LARH30NF 6LAL1LI**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26663)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A50950D010TE LARH30NF 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 30° Narrow Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

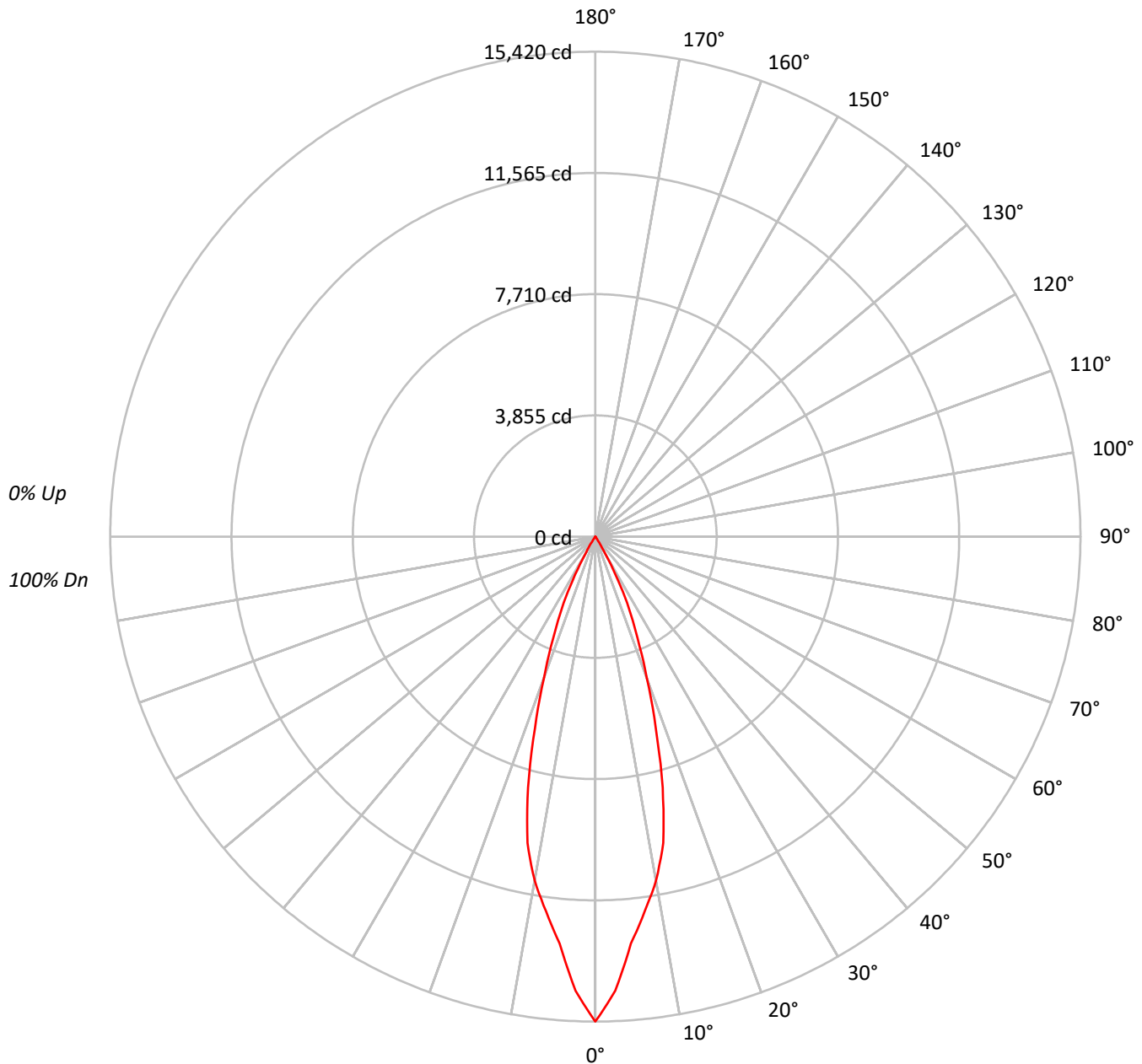
Lumens per Lamp: N/A
Luminaire Lumens: 4658.2 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.52
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P1192415

CATALOG NUMBER: LDA6A50950D010TE LARH30NF 6LAL1LI

Luminous Intensity Polar Plot





TEST NUMBER: P1192415

CATALOG NUMBER: LDA6A50950D010TE LARH30NF 6LAL1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92		
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89		
4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86		
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	82		
6	97	90	86	82	95	89	85	82	88	84	82	87	84	81	86	83	81	79		
7	94	87	82	79	92	86	82	79	85	81	79	84	81	78	83	80	78	77		
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74		
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72		
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	73	70	69		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	845343
5°	714785
10°	618336
15°	468856
20°	278951
25°	153027
30°	39443
35°	3520
40°	1460
45°	830
50°	461
55°	726
60°	702
65°	558
70°	513
75°	466
80°	347
85°	0



TEST NUMBER: P1192415

CATALOG NUMBER: LDA6A50950D010TE LARH30NF 6LAL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1190.7	25.6
10°-20°	2210.6	47.5
20°-30°	1136.0	24.4
30°-40°	99.1	2.1
40°-50°	8.8	0.2
50°-60°	5.9	0.1
60°-70°	4.4	0.1
70°-80°	2.3	0.0
80°-90°	0.4	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°	4537.3	97.4
0°-40°	4636.3	99.5
0°-60°	4651.0	99.8
0°-90°	4658.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4658.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15420	
5°	12989	###
15°	8261	2211
25°	2530	1136
35°	53	99
45°	11	9
55°	8	6
65°	4	4
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P1192415

CATALOG NUMBER: LDA6A50950D010TE LARH30NF 6LAL1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	15420.3
2.5°	14453.4
5°	12989.1
7.5°	12019.1
10°	11108.0
12.5°	9971.5
15°	8261.2
17.5°	6374.8
20°	4781.6
22.5°	3502.2
25°	2529.9
27.5°	1556.6
30°	623.1
32.5°	269.7
35°	52.6
37.5°	30.1
40°	20.4
42.5°	15.0
45°	10.7
47.5°	7.6
50°	5.4
52.5°	6.4
55°	7.6
57.5°	6.4
60°	6.4
62.5°	5.4
65°	4.3
67.5°	3.2
70°	3.2
72.5°	2.2
75°	2.2
77.5°	2.2
80°	1.1
82.5°	1.1
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)