

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: P1192416

Luminaire Tested: **LDA6A50950D010TE LARH30NF 6LFC1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192416
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: LDA6A50950D010TE LARH30NF 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 30° Narrow Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

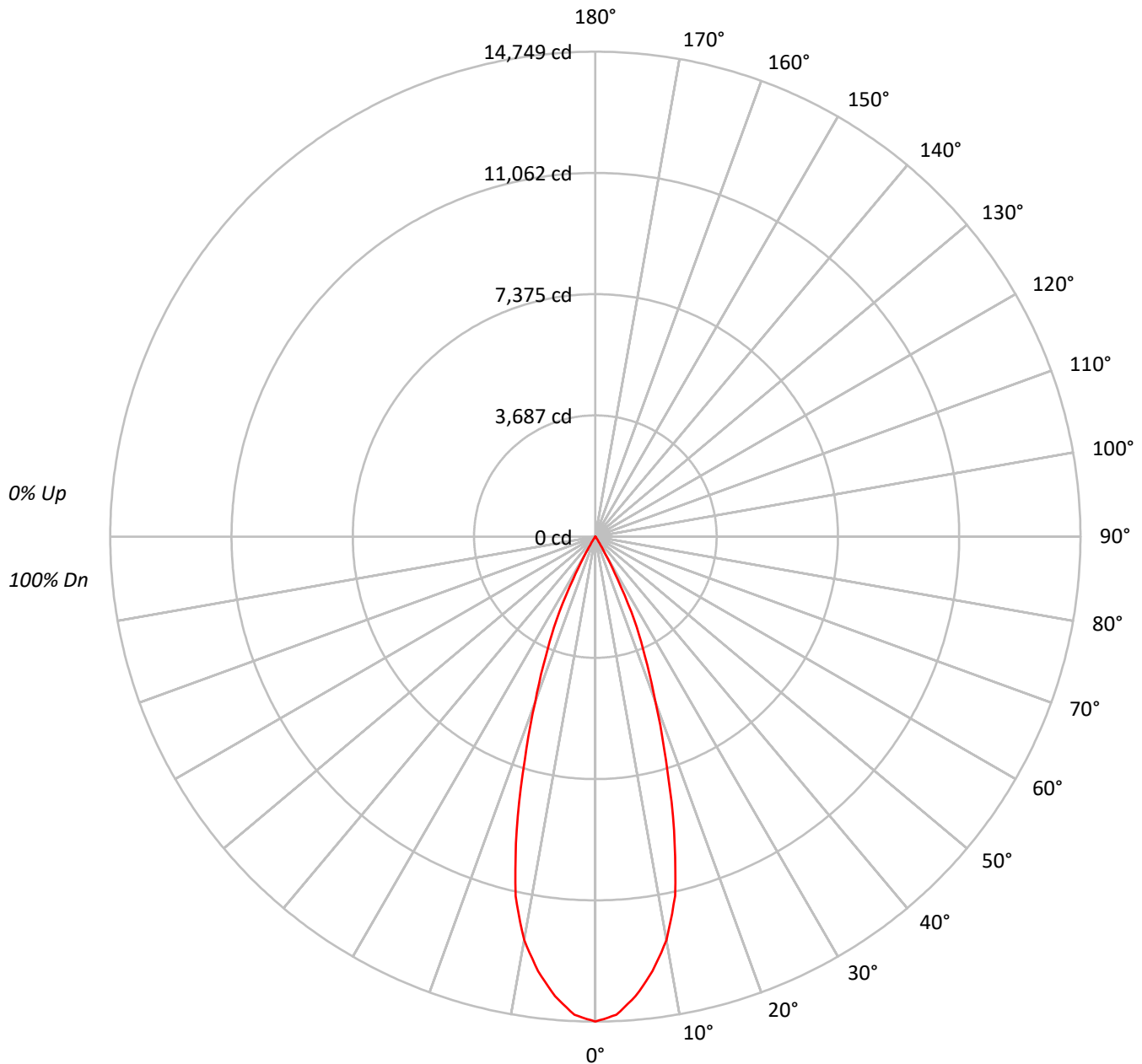
Lumens per Lamp: N/A
Luminaire Lumens: 5101.8 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.55
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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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°	808554
5°	772087
10°	693591
15°	524742
20°	311714
25°	170048
30°	38487
35°	3594
40°	1539
45°	752
50°	546
55°	411
60°	351
65°	285
70°	176
75°	233
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1289.9	25.3
10°-20°	2476.0	48.5
20°-30°	1226.7	24.0
30°-40°	93.1	1.8
40°-50°	8.6	0.2
50°-60°	4.2	0.1
60°-70°	2.4	0.0
70°-80°	1.0	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°	4992.6	97.9
0°-40°	5085.6	99.7
0°-60°	5098.4	99.9
0°-90°	5101.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5101.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14749	
5°	14030	###
15°	9246	2476
25°	2811	1227
35°	54	93
45°	10	9
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	14749.2
2.5°	14557.9
5°	14030.4
7.5°	13328.0
10°	12459.9
12.5°	11193.5
15°	9245.9
17.5°	7129.7
20°	5343.2
22.5°	3934.9
25°	2811.3
27.5°	1444.8
30°	608.0
32.5°	232.0
35°	53.7
37.5°	32.2
40°	21.5
42.5°	13.9
45°	9.7
47.5°	7.6
50°	6.4
52.5°	5.4
55°	4.3
57.5°	4.3
60°	3.2
62.5°	3.2
65°	2.2
67.5°	2.2
70°	1.1
72.5°	1.1
75°	1.1
77.5°	1.1
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

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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)