

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: P1192212

Luminaire Tested: **LDA6A40935D010TE LARH30NF 6LFC1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192212
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: LDA6A40935D010TE LARH30NF 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 30° Narrow Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

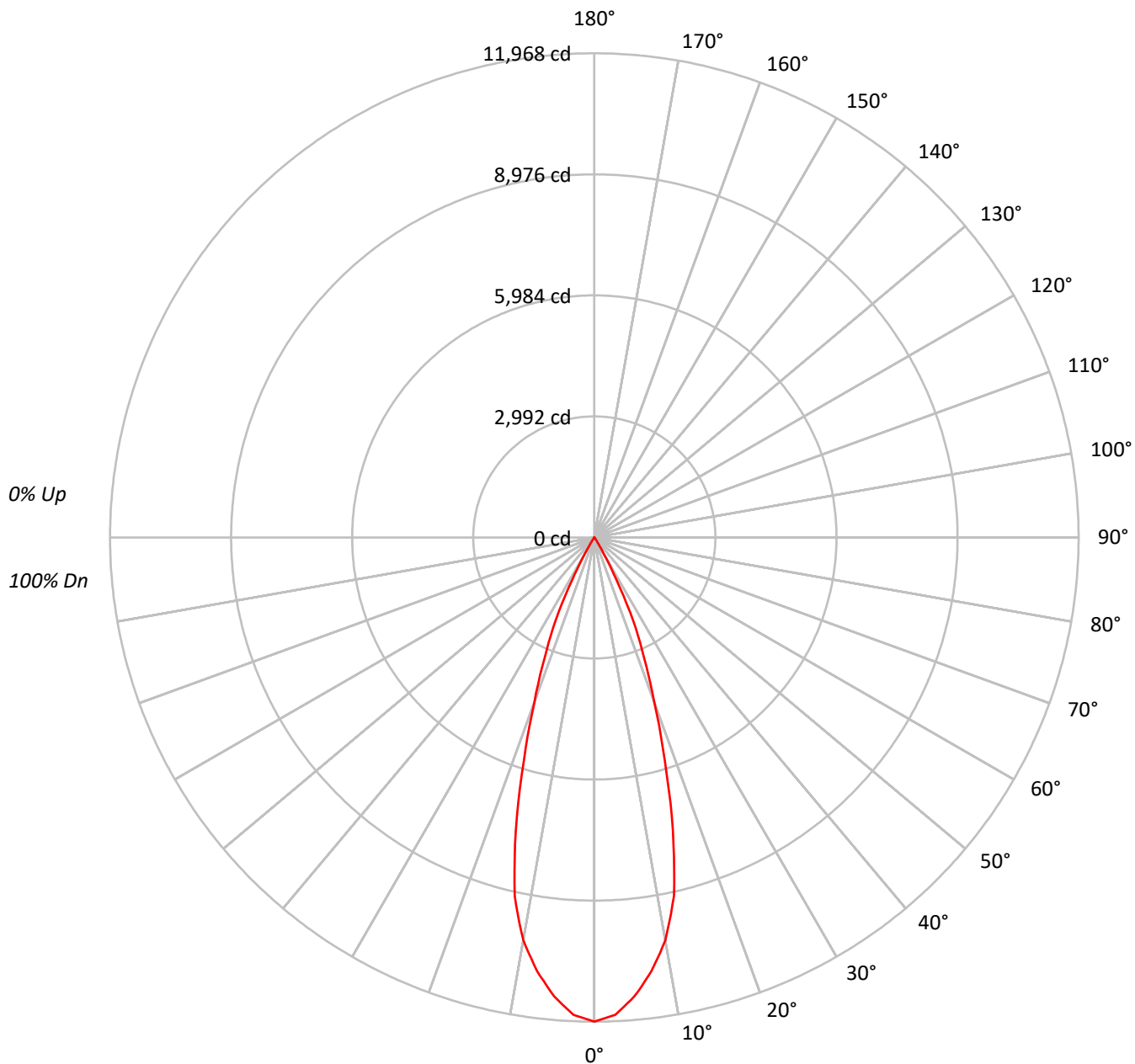
Lumens per Lamp: N/A
Luminaire Lumens: 4139.5 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.55
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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°	656060
5°	626479
10°	562787
15°	425780
20°	252926
25°	137978
30°	31233
35°	2918
40°	1245
45°	605
50°	443
55°	335
60°	285
65°	221
70°	128
75°	169
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1046.6	25.3
10°-20°	2009.1	48.5
20°-30°	995.4	24.0
30°-40°	75.5	1.8
40°-50°	6.9	0.2
50°-60°	3.4	0.1
60°-70°	1.9	0.0
70°-80°	0.7	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°	4051.0	97.9
0°-40°	4126.5	99.7
0°-60°	4136.8	99.9
0°-90°	4139.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4139.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11968	
5°	11384	###
15°	7502	2009
25°	2281	995
35°	44	75
45°	8	7
55°	4	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11967.5
2.5°	11812.3
5°	11384.4
7.5°	10814.3
10°	10110.1
12.5°	9082.4
15°	7502.2
17.5°	5785.0
20°	4335.5
22.5°	3192.8
25°	2281.1
27.5°	1172.4
30°	493.4
32.5°	188.2
35°	43.6
37.5°	26.1
40°	17.4
42.5°	11.3
45°	7.8
47.5°	6.1
50°	5.2
52.5°	4.3
55°	3.5
57.5°	3.5
60°	2.6
62.5°	2.6
65°	1.7
67.5°	1.7
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

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1121 Highway 74 South

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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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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)