

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: P1192739

Luminaire Tested: **LDA6A70940D010TE LARH30NF 6LFC1H**

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: P1192739
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26682)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A70940D010TE 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

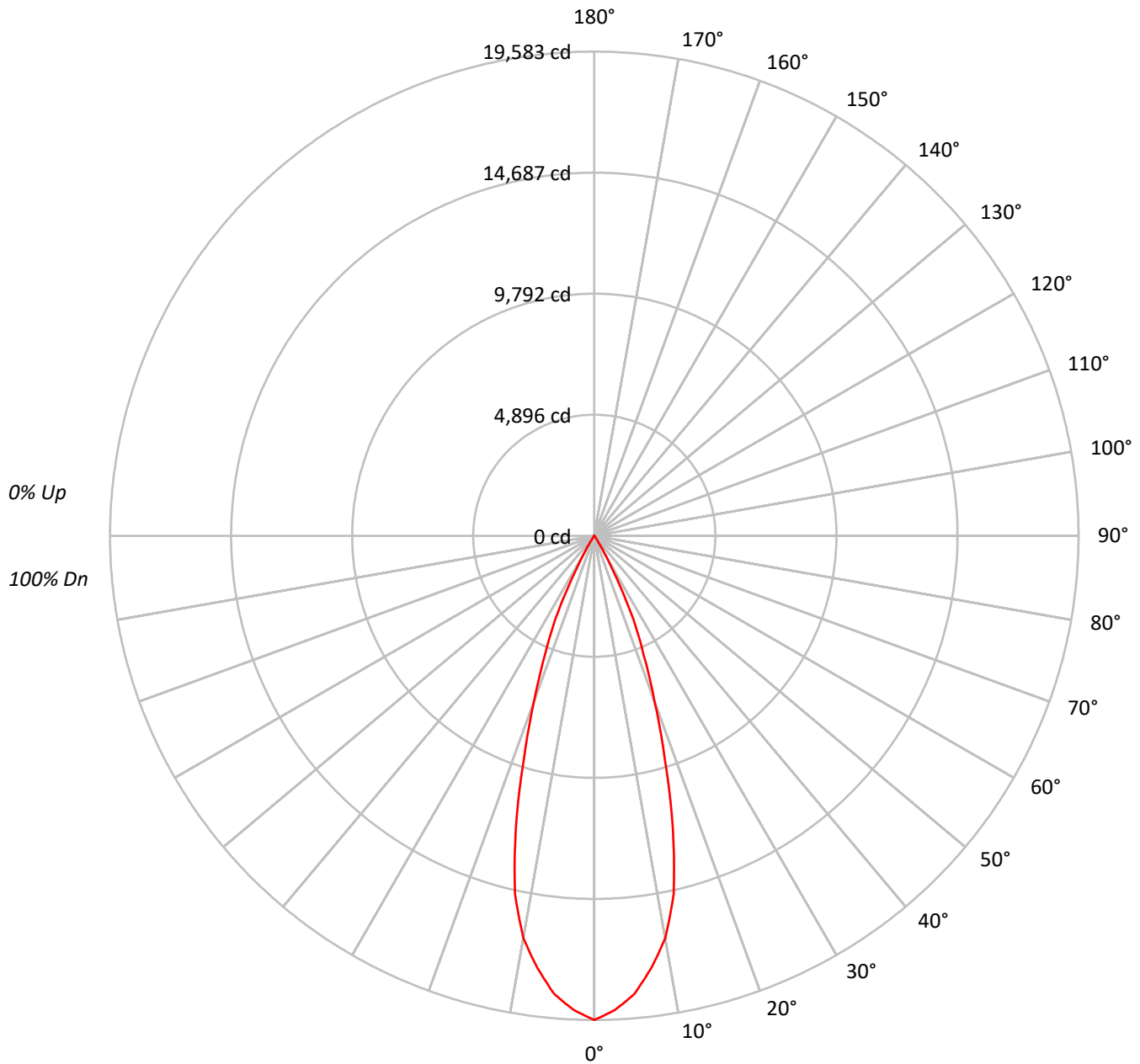
Lumens per Lamp: N/A
Luminaire Lumens: 6776.6 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.55
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78.1
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



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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	84	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	80	76	73		80	76	73			79	75	73			78
10	85	78	74	71	85	78	74	71		77	73	71			76	73	71			76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1073543
5°	1023957
10°	919689
15°	696559
20°	414331
25°	226398
30°	51495
35°	4879
40°	1975
45°	969
50°	640
55°	602
60°	406
65°	480
70°	385
75°	275
80°	410
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1707.6	25.2
10°-20°	3286.7	48.5
20°-30°	1634.6	24.1
30°-40°	126.4	1.9
40°-50°	11.2	0.2
50°-60°	5.2	0.1
60°-70°	3.2	0.0
70°-80°	1.5	0.0
80°-90°	0.2	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°	6629.0	97.8
0°-40°	6755.3	99.7
0°-60°	6771.7	99.9
0°-90°	6776.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6776.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19583	
5°	18607	###
15°	12273	3287
25°	3743	1635
35°	73	126
45°	12	11
55°	6	5
65°	4	3
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19583.0
2.5°	19195.8
5°	18607.4
7.5°	17628.0
10°	16521.6
12.5°	14839.3
15°	12273.3
17.5°	9478.5
20°	7102.2
22.5°	5210.0
25°	3742.9
27.5°	1961.4
30°	813.5
32.5°	323.1
35°	72.9
37.5°	42.7
40°	27.6
42.5°	18.8
45°	12.5
47.5°	10.1
50°	7.5
52.5°	6.3
55°	6.3
57.5°	5.0
60°	3.7
62.5°	3.7
65°	3.7
67.5°	2.4
70°	2.4
72.5°	1.3
75°	1.3
77.5°	1.3
80°	1.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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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)