

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: P1192697

Luminaire Tested: **LDA6A70930D010TE LARH20SP 6LA1LI**

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: P1192697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26676)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A70930D010TE LARH20SP 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

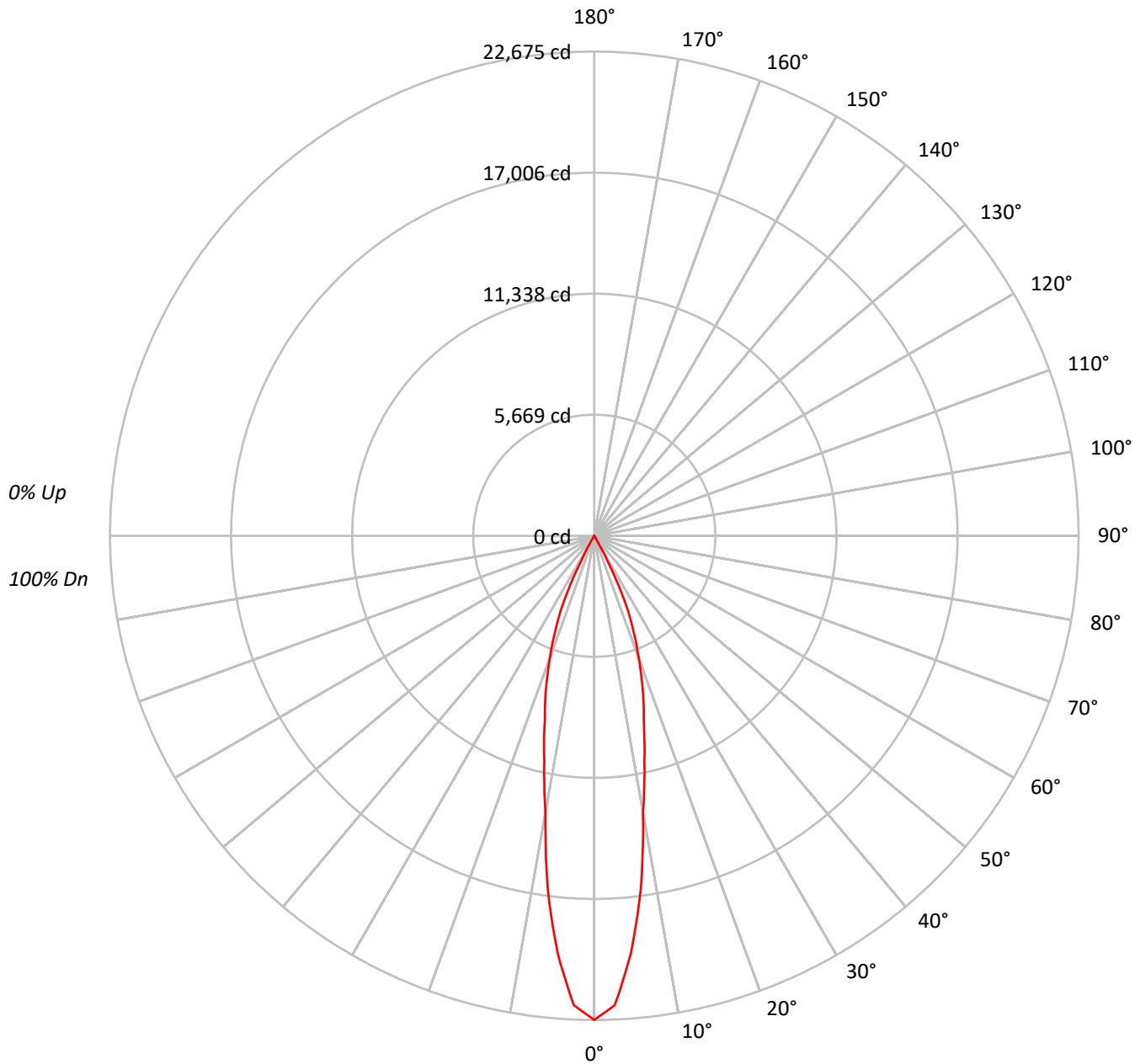
Lumens per Lamp: N/A
Luminaire Lumens: 5616.8 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.48
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	113	111	109	107	107	105	104		103	102	101		100
2	111	107	104	102	109	106	103	101	103	100	98		100	98	96		97
3	107	103	99	96	106	101	98	95	99	96	94		97	94	92		94
4	104	98	94	91	102	97	94	91	95	92	90		94	91	89		92
5	101	95	90	87	99	94	90	87	92	89	86		91	88	86		89
6	98	91	87	84	96	91	87	84	89	86	83		88	85	83		87
7	95	88	84	81	94	87	83	81	86	83	80		85	82	80		84
8	92	85	81	78	91	85	81	78	84	80	78		83	80	77		82
9	89	82	78	75	88	82	78	75	81	78	75		80	77	75		80
10	87	80	76	73	86	80	76	73	79	75	73		78	75	73		78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1243069
5°	1080693
10°	732257
15°	507608
20°	353741
25°	203558
30°	15964
35°	1312
40°	658
45°	450
50°	392
55°	335
60°	384
65°	454
70°	369
75°	254
80°	379
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1671.3	29.8
10°-20°	2517.3	44.8
20°-30°	1386.8	24.7
30°-40°	28.7	0.5
40°-50°	4.6	0.1
50°-60°	3.5	0.1
60°-70°	3.0	0.1
70°-80°	1.4	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°	5575.4	99.3
0°-40°	5604.1	99.8
0°-60°	5612.2	99.9
0°-90°	5616.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5616.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22675	
5°	19638	###
15°	8944	2517
25°	3365	1387
35°	20	29
45°	6	5
55°	4	3
65°	4	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	22675.4
2.5°	21997.1
5°	19638.4
7.5°	16692.4
10°	13154.5
12.5°	10832.7
15°	8944.0
17.5°	7540.1
20°	6063.6
22.5°	4742.7
25°	3365.3
27.5°	1436.1
30°	252.2
32.5°	32.2
35°	19.6
37.5°	12.7
40°	9.2
42.5°	6.9
45°	5.8
47.5°	4.6
50°	4.6
52.5°	4.6
55°	3.5
57.5°	3.5
60°	3.5
62.5°	3.5
65°	3.5
67.5°	2.3
70°	2.3
72.5°	1.2
75°	1.2
77.5°	1.2
80°	1.2
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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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)