

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: P1192733

Luminaire Tested: **LDA6A70940D010TE LARH20SP 6LAL1LI**

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: P1192733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26678)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A70940D010TE LARH20SP 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

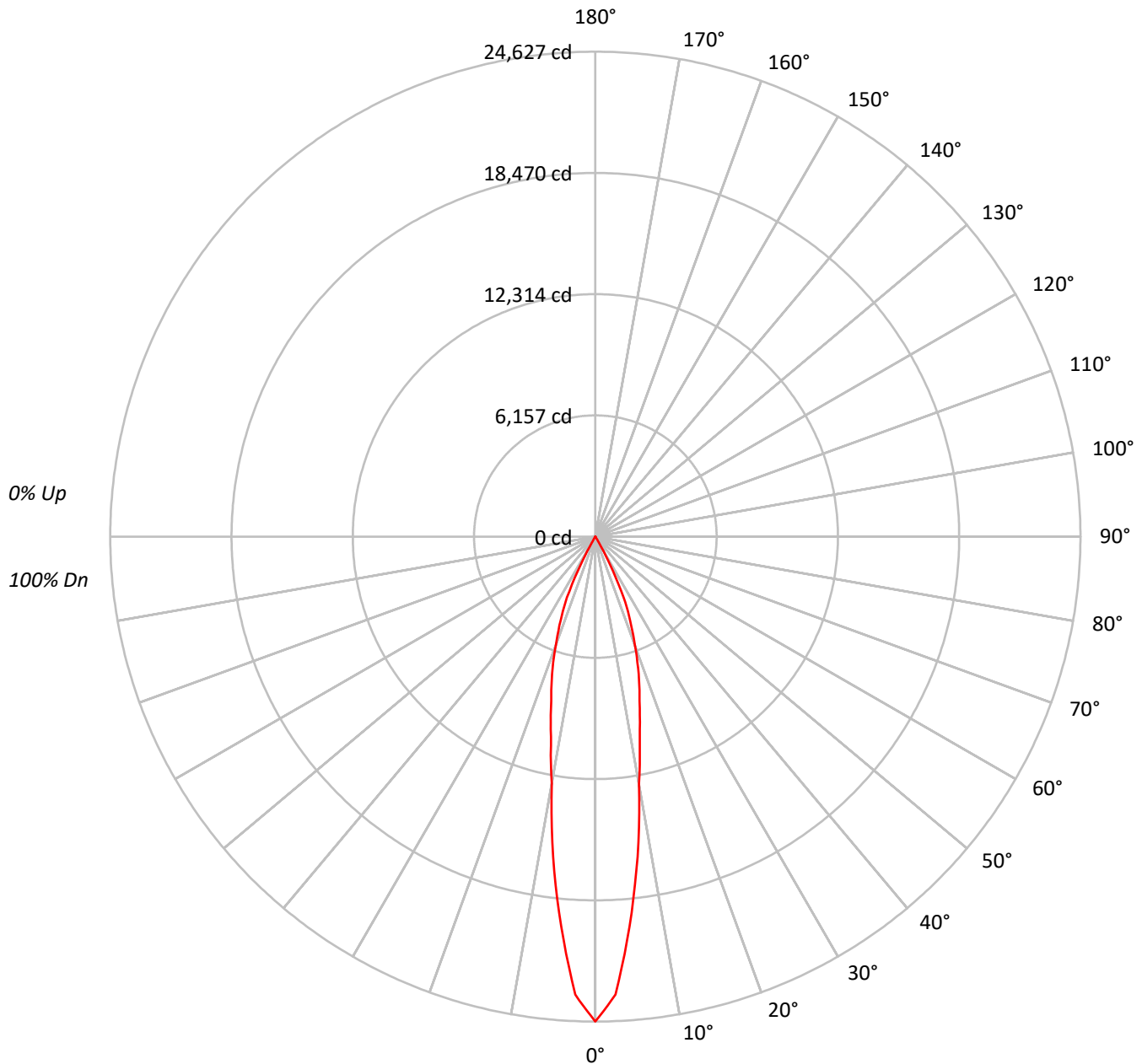
Lumens per Lamp: N/A
Luminaire Lumens: 5581.0 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.45
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	100	102	100	98		100	98	96		97
3	107	103	99	96	105	101	98	95	99	96	94		96	94	92		94
4	104	98	94	91	102	97	94	91	95	92	90		93	91	89		92
5	101	94	90	87	99	94	90	87	92	89	86		91	88	85		89
6	97	91	87	84	96	90	86	83	89	85	83		88	85	82		87
7	95	88	84	80	93	87	83	80	86	83	80		85	82	80		84
8	92	85	81	78	91	84	80	78	83	80	77		83	79	77		82
9	89	82	78	75	88	82	78	75	81	77	75		80	77	75		80
10	87	80	75	73	86	79	75	73	79	75	72		78	75	72		77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1350078
5°	1093509
10°	709139
15°	490826
20°	342878
25°	206080
30°	21725
35°	2108
40°	1252
45°	783
50°	751
55°	1090
60°	1250
65°	973
70°	801
75°	784
80°	758
85°	818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1679.2	30.1
10°-20°	2432.6	43.6
20°-30°	1396.6	25.0
30°-40°	40.9	0.7
40°-50°	8.8	0.2
50°-60°	9.7	0.2
60°-70°	7.9	0.1
70°-80°	4.2	0.1
80°-90°	1.0	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°	5508.4	98.7
0°-40°	5549.4	99.4
0°-60°	5567.8	99.8
0°-90°	5581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5581.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24627	
5°	19871	###
15°	8648	2433
25°	3407	1397
35°	32	41
45°	10	9
55°	11	10
65°	8	8
75°	4	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	24627.4
2.5°	23282.2
5°	19871.3
7.5°	16407.7
10°	12739.2
12.5°	10397.0
15°	8648.3
17.5°	7314.5
20°	5877.4
22.5°	4607.7
25°	3407.0
27.5°	1613.0
30°	343.2
32.5°	42.7
35°	31.5
37.5°	22.6
40°	17.5
42.5°	13.8
45°	10.1
47.5°	8.8
50°	8.8
52.5°	10.1
55°	11.4
57.5°	11.4
60°	11.4
62.5°	10.1
65°	7.5
67.5°	6.3
70°	5.0
72.5°	5.0
75°	3.7
77.5°	3.7
80°	2.4
82.5°	1.3
85°	1.3
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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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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(END OF REPORT)