

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: P1192238

Luminaire Tested: **LDA6A40950D010TE 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: P1192238
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26660)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A40950D010TE LARH20SP 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

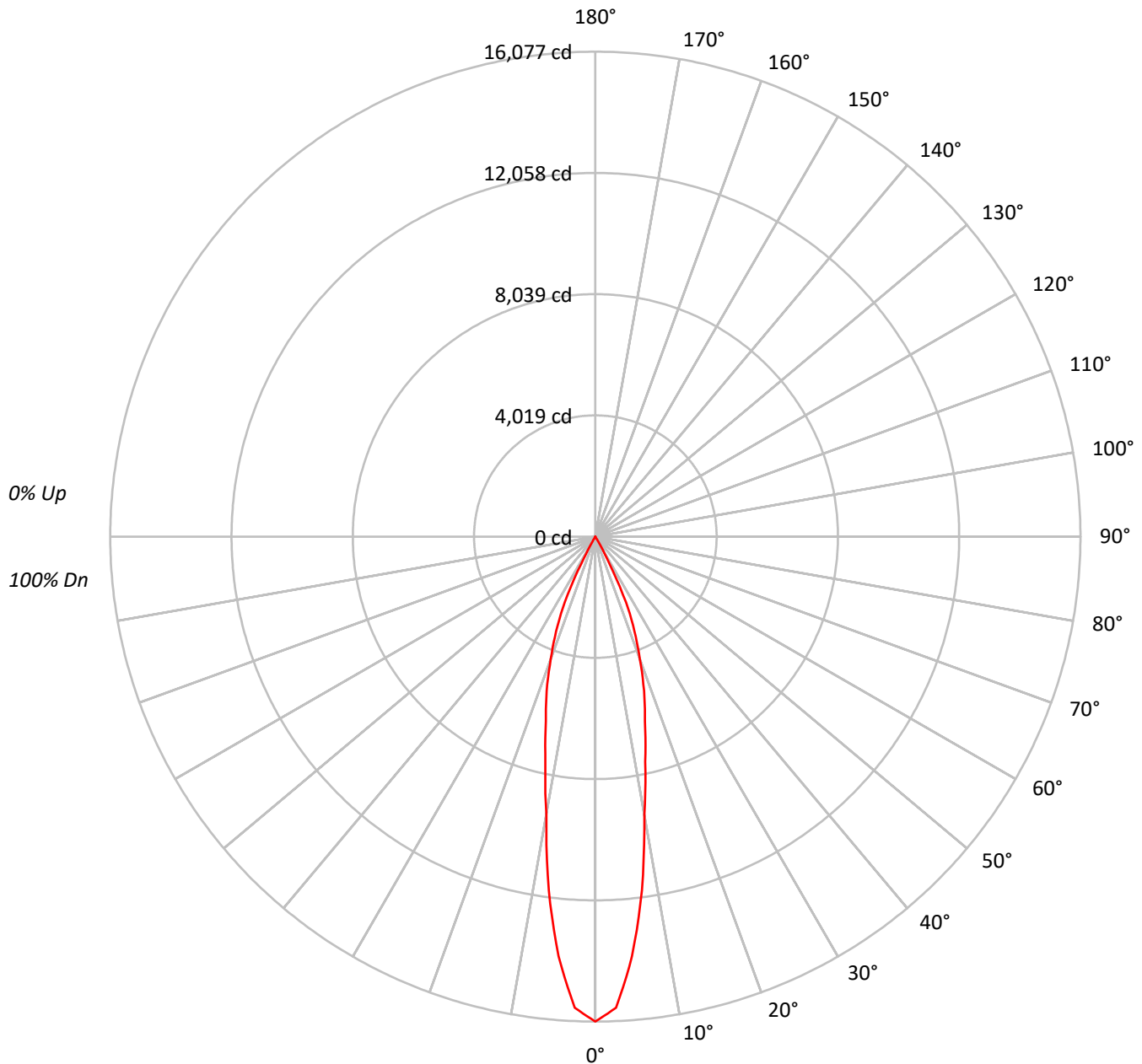
Lumens per Lamp: N/A
Luminaire Lumens: 3986.5 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.49
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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



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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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	115	113	111	109	113	111	109	107	107	105	104		103	102	101		96
2	111	107	104	102	109	106	103	101	103	100	98		100	98	96		93
3	107	103	99	96	106	101	98	95	99	96	94		97	94	92		90
4	104	98	94	91	102	97	94	91	95	92	90		94	91	89		87
5	101	95	90	87	99	94	90	87	92	89	86		91	88	86		84
6	98	91	87	84	96	91	87	84	89	86	83		88	85	83		81
7	95	88	84	81	94	87	83	81	86	83	80		85	82	80		78
8	92	85	81	78	91	85	81	78	84	80	78		83	80	77		76
9	89	82	78	75	88	82	78	75	81	78	75		80	77	75		74
10	87	80	76	73	86	80	76	73	79	75	73		78	75	73		71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	881355
5°	768615
10°	520865
15°	359537
20°	251602
25°	145152
30°	10723
35°	883
40°	479
45°	287
50°	239
55°	268
60°	307
65°	259
70°	321
75°	191
80°	284
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1186.8	29.8
10°-20°	1785.0	44.8
20°-30°	985.8	24.7
30°-40°	19.4	0.5
40°-50°	3.2	0.1
50°-60°	2.5	0.1
60°-70°	2.3	0.1
70°-80°	1.4	0.0
80°-90°	0.1	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°	3957.6	99.3
0°-40°	3977.0	99.8
0°-60°	3982.7	99.9
0°-90°	3986.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3986.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16077	
5°	13967	###
15°	6335	1785
25°	2400	986
35°	13	19
45°	4	3
55°	3	3
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	16077.2
2.5°	15631.8
5°	13967.3
7.5°	11826.5
10°	9357.0
12.5°	7646.5
15°	6335.0
17.5°	5360.6
20°	4312.8
22.5°	3390.2
25°	2399.7
27.5°	1002.7
30°	169.4
32.5°	22.6
35°	13.2
37.5°	8.4
40°	6.7
42.5°	4.7
45°	3.7
47.5°	3.7
50°	2.8
52.5°	2.8
55°	2.8
57.5°	2.8
60°	2.8
62.5°	2.8
65°	2.0
67.5°	2.0
70°	2.0
72.5°	2.0
75°	0.9
77.5°	0.9
80°	0.9
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)