

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: P1192759

Luminaire Tested: **LDA6A70950D010TE LARH40FL 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: P1192759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26677)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A70950D010TE LARH40FL 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

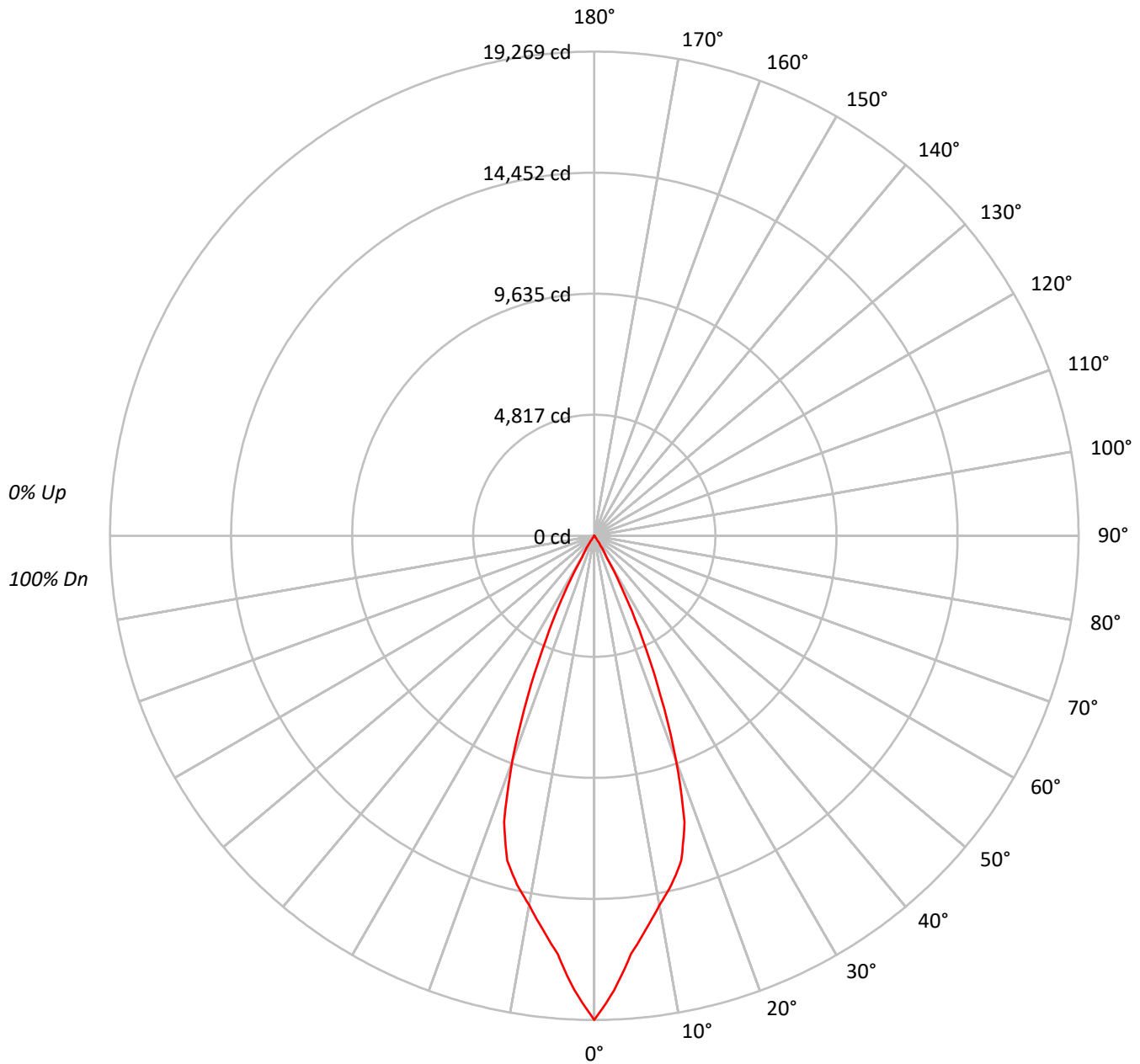
Lumens per Lamp: N/A
Luminaire Lumens: 7445.4 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	112	110	109	112	110	108	107		106	105	104			103	101	100			99
2	110	107	103	101	108	105	102	100		102	99	97			99	97	95			96
3	107	101	98	94	105	100	97	94		98	95	92			95	93	91			93
4	103	97	93	89	101	96	92	89		94	90	88			92	89	87			90
5	99	93	88	85	98	92	88	84		90	87	84			89	85	83			87
6	96	89	84	81	94	88	84	81		87	83	80			85	82	80			84
7	92	85	81	77	91	85	80	77		84	80	77			82	79	76			81
8	89	82	77	74	88	82	77	74		81	77	74			80	76	74			79
9	86	79	74	71	85	79	74	71		78	74	71			77	73	71			76
10	84	76	72	69	83	76	71	69		75	71	68			74	71	68			74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1056352
5°	919654
10°	830941
15°	759250
20°	555971
25°	274346
30°	60914
35°	12341
40°	2054
45°	605
50°	119
55°	134
60°	153
65°	182
70°	224
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1549.2	20.8
10°-20°	3594.6	48.3
20°-30°	2108.5	28.3
30°-40°	182.4	2.5
40°-50°	7.9	0.1
50°-60°	1.3	0.0
60°-70°	1.4	0.0
70°-80°	0.2	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°	7252.2	97.4
0°-40°	7434.7	99.9
0°-60°	7443.9	100.0
0°-90°	7445.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7445.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19269	
5°	16712	###
15°	13378	3595
25°	4536	2109
35°	184	182
45°	8	8
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19269.4
2.5°	18107.1
5°	16712.0
7.5°	15783.8
10°	14927.3
12.5°	14214.8
15°	13377.9
17.5°	11932.0
20°	9530.1
22.5°	6891.7
25°	4535.6
27.5°	2556.1
30°	962.3
32.5°	496.8
35°	184.4
37.5°	56.3
40°	28.7
42.5°	15.7
45°	7.8
47.5°	3.8
50°	1.4
52.5°	1.4
55°	1.4
57.5°	1.4
60°	1.4
62.5°	1.4
65°	1.4
67.5°	1.4
70°	1.4
72.5°	0.0
75°	0.0
77.5°	0.0
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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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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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)