

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: P1192334

Luminaire Tested: **LDA6A45950D010TE 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: P1192334
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26661)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A45950D010TE 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

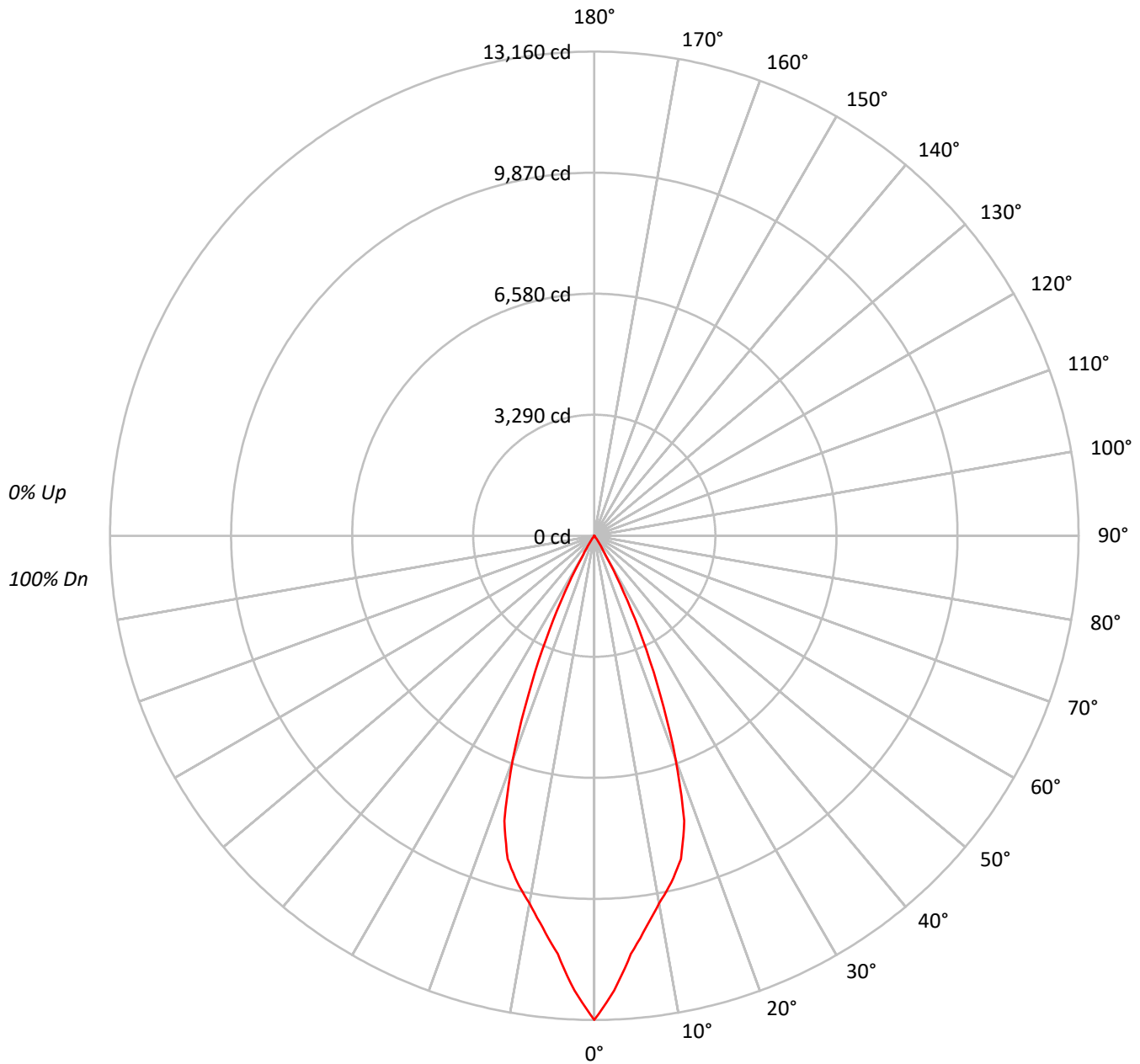
Lumens per Lamp: N/A
Luminaire Lumens: 5060.3 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 53.6
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	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	112	110	109	112	110	108	107		106	105	104		103	101	100		99	98	98
2	110	107	103	101	108	105	102	100		102	99	97		99	97	95		96	95	93
3	107	101	98	94	105	100	97	94		98	95	92		95	93	91		93	91	89
4	103	97	93	89	101	96	92	89		94	90	88		92	89	87		90	88	86
5	99	93	88	85	98	92	88	84		90	87	84		89	86	83		87	85	82
6	96	89	84	81	94	88	84	81		87	83	80		85	82	80		84	81	79
7	92	85	81	77	91	85	80	77		84	80	77		82	79	76		81	78	76
8	89	82	77	74	88	82	77	74		81	77	74		80	76	74		79	76	73
9	86	79	74	71	86	79	74	71		78	74	71		77	73	71		76	73	71
10	84	76	72	69	83	76	71	69		75	71	68		74	71	68		74	70	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	721411
5°	627937
10°	564608
15°	516212
20°	377158
25°	187112
30°	41342
35°	8024
40°	1446
45°	388
50°	179
55°	96
60°	110
65°	130
70°	160
75°	212
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1055.5	20.9
10°-20°	2444.0	48.3
20°-30°	1429.8	28.3
30°-40°	122.7	2.4
40°-50°	5.7	0.1
50°-60°	1.0	0.0
60°-70°	1.0	0.0
70°-80°	0.7	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°	4929.2	97.4
0°-40°	5051.9	99.8
0°-60°	5058.6	100.0
0°-90°	5060.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5060.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13160	
5°	11411	###
15°	9096	2444
25°	3093	1430
35°	120	123
45°	5	6
55°	1	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13159.6
2.5°	12373.4
5°	11410.9
7.5°	10739.6
10°	10142.8
12.5°	9657.0
15°	9095.6
17.5°	8128.0
20°	6465.0
22.5°	4676.9
25°	3093.4
27.5°	1712.5
30°	653.1
32.5°	334.7
35°	119.9
37.5°	38.3
40°	20.2
42.5°	11.1
45°	5.0
47.5°	3.0
50°	2.1
52.5°	1.0
55°	1.0
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
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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1121 Highway 74 South

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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)