

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: P1192538

Luminaire Tested: **LDA6A60930D010TE 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: P1192538
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: LDA6A60930D010TE LARH40FL 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

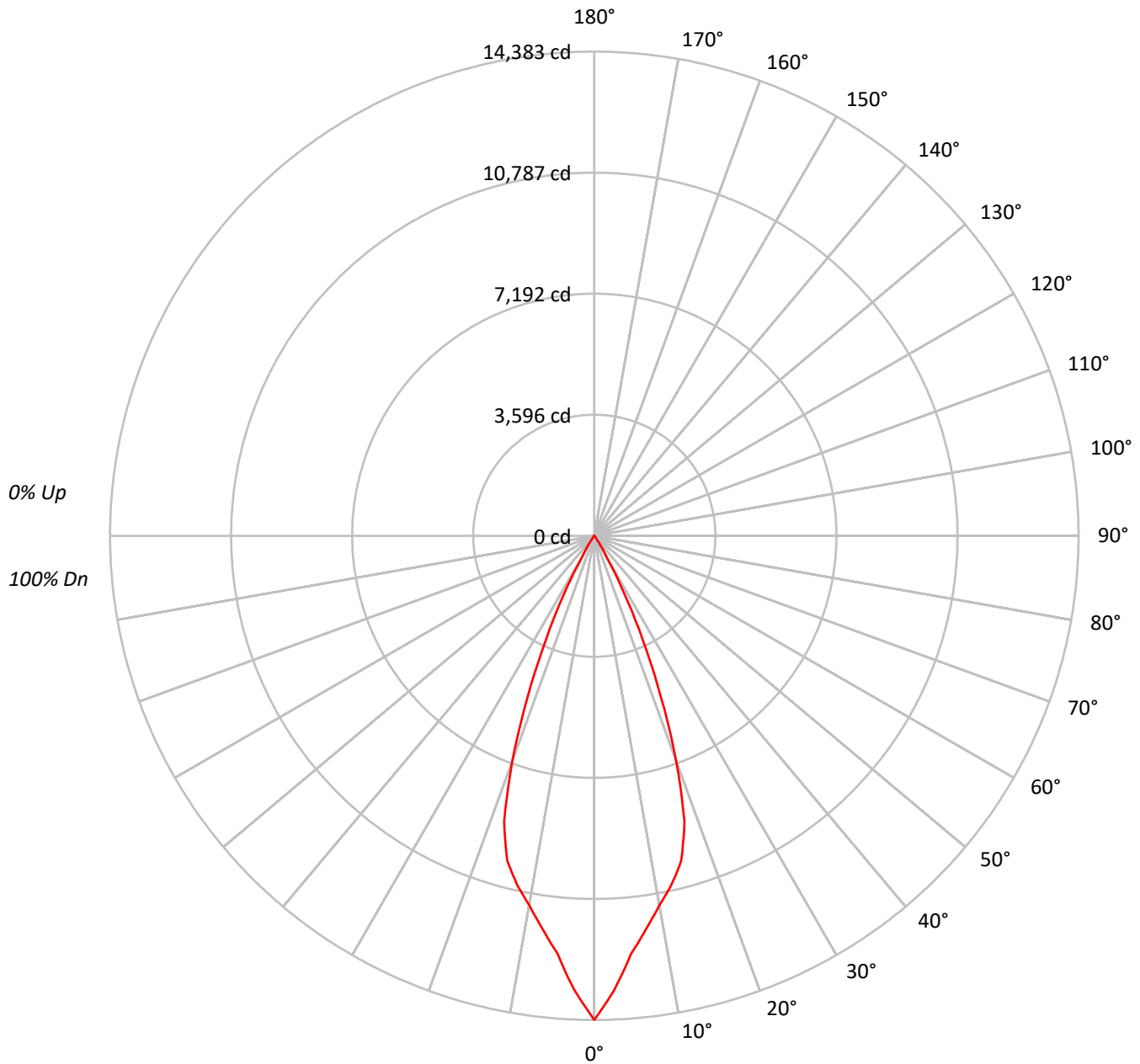
Lumens per Lamp: N/A
Luminaire Lumens: 5557.1 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 71.8
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			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°	788462
5°	686428
10°	620218
15°	566706
20°	414979
25°	204768
30°	45463
35°	9209
40°	1531
45°	450
50°	85
55°	96
60°	110
65°	130
70°	160
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1156.3	20.8
10°-20°	2683.0	48.3
20°-30°	1573.8	28.3
30°-40°	136.1	2.4
40°-50°	5.9	0.1
50°-60°	0.9	0.0
60°-70°	1.0	0.0
70°-80°	0.1	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°	5413.1	97.4
0°-40°	5549.2	99.9
0°-60°	5556.0	100.0
0°-90°	5557.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5557.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14383	
5°	12474	###
15°	9985	2683
25°	3385	1574
35°	138	136
45°	6	6
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14382.7
2.5°	13515.0
5°	12473.8
7.5°	11780.9
10°	11141.8
12.5°	10609.8
15°	9985.3
17.5°	8905.9
20°	7113.3
22.5°	5144.0
25°	3385.3
27.5°	1907.9
30°	718.2
32.5°	370.8
35°	137.6
37.5°	41.9
40°	21.4
42.5°	11.7
45°	5.8
47.5°	2.9
50°	1.0
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°	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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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)